Management Guide

NetIQ® AppManager® for WebLogic Server UNIX

February 2018

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About this Book and the Library

The NetIQ AppManager product (AppManager) is a comprehensive solution for managing, diagnosing, and analyzing performance, availability, and server health for a broad spectrum of operating environments, applications, and server hardware.

AppManager provides system administrators with a central, easy-to-use console to view critical server and application resources across the enterprise. With AppManager, administrative staffs can monitor computer and application resources, check for potential problems, initiate responsive actions, automate routine tasks, and gather performance data for real-time and historical reporting and analysis.

Intended Audience

This guide provides information for individuals responsible for installing an AppManager module and monitoring specific applications with AppManager.

Other Information in the Library

The library provides the following information resources:

Installation Guide for AppManager

Provides complete information about AppManager pre-installation requirements and step-by-step installation procedures for all AppManager components.

User Guide for AppManager Control Center

Provides complete information about managing groups of computers, including running jobs, responding to events, creating reports, and working with Control Center. A separate guide is available for the AppManager Operator Console.

Administrator Guide for AppManager

Provides information about maintaining an AppManager management site, managing security, using scripts to handle AppManager tasks, and leveraging advanced configuration options.

Upgrade and Migration Guide for AppManager

Provides complete information about how to upgrade from a previous version of AppManager.

Management guides

Provide information about installing and monitoring specific applications with AppManager.

Help

Provides context-sensitive information and step-by-step guidance for common tasks, as well as definitions for each field on each window.

The AppManager library is available in Adobe Acrobat (PDF) format from the AppManager Documentation page of the NetIQ Web site.

About NetIQ Corporation

We are a global, enterprise software company, with a focus on the three persistent challenges in your environment: Change, complexity and risk—and how we can help you control them.

Our Viewpoint

Adapting to change and managing complexity and risk are nothing new

In fact, of all the challenges you face, these are perhaps the most prominent variables that deny you the control you need to securely measure, monitor, and manage your physical, virtual, and cloud computing environments.

Enabling critical business services, better and faster

We believe that providing as much control as possible to IT organizations is the only way to enable timelier and cost effective delivery of services. Persistent pressures like change and complexity will only continue to increase as organizations continue to change and the technologies needed to manage them become inherently more complex.

Our Philosophy

Selling intelligent solutions, not just software

In order to provide reliable control, we first make sure we understand the real-world scenarios in which IT organizations like yours operate — day in and day out. That's the only way we can develop practical, intelligent IT solutions that successfully yield proven, measurable results. And that's so much more rewarding than simply selling software.

Driving your success is our passion

We place your success at the heart of how we do business. From product inception to deployment, we understand that you need IT solutions that work well and integrate seamlessly with your existing investments; you need ongoing support and training post-deployment; and you need someone that is truly easy to work with — for a change. Ultimately, when you succeed, we all succeed.

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Our goal is to provide documentation that meets your needs. The documentation for this product is available on the NetIQ website in HTML and PDF formats on a page that does not require you to log in. If you have suggestions for documentation improvements, click **comment on this topic** at the bottom of any page in the HTML version of the documentation posted at www.netiq.com/documentation. You can also email Documentation-Feedback@netiq.com. We value your input and look forward to hearing from you.

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1 Introduction to AppManager for WebLogic Server UNIX

AppManager for WebLogic Server UNIX provides a comprehensive solution for monitoring the activity on WebLogic Server UNIX servers, along with all your other mission-critical resources. With AppManager for WebLogic Server UNIX, you can:

- Set thresholds and event notification levels
- Continuously monitor computer resources with little or no manual intervention
- View application configuration details
- Stay informed about potential and current system problems
- Initiate corrective or responsive actions automatically
- View performance data for real-time and historical reporting
- Extend monitoring functionality with easy-to-use scripting tools

AppManager for WebLogic Server UNIX provides real-time performance and status monitoring of WebLogic Server UNIX servers. Unlike other performance monitoring applications that gather historical data from access and error logs, AppManager collects and displays real-time performance data.

AppManager for WebLogic Server UNIX offers the following features:

- Real-time performance monitoring.

  AppManager for WebLogic Server UNIX eliminates the lag time required by other applications that query access and error logs. Real-time monitoring lets you take an accurate snapshot of WebLogic performance at any time, without worrying about losing data in log files that are configured to overwrite.
- Real-time status code monitoring.

  AppManager for WebLogic Server UNIX monitors status codes generated by client request errors in real-time. If a client or virtual host requests a Web page that is unavailable (404--not found), AppManager collects the status code and displays it in the Operator Console and Control Center.
- Remote monitoring across platforms.

  AppManager for WebLogic Server UNIX monitors the performance of a UNIX server from a computer running Microsoft Windows. AppManager Knowledge Scripts let you start, restart, and stop WebLogic Server UNIX servers remotely, on demand, or at regularly scheduled times.

2 Installing AppManager for WebLogic Server UNIX

This chapter describes requirements for how to installAppManager for WebLogic Server UNIX.

This chapter assumes you have an AppManager repository, console, management server, and UNIX agent installed. For more information about installing AppManager Windows components, see the *Installation Guide for AppManager* and for information about installing the UNIX agent, see the *AppManager for UNIX and Linux Servers Management Guide*, which are available on the AppManager Documentation page.

2.1 System Requirements

For the latest information about specific supported software versions and the availability of module updates, visit the AppManager Supported Products page.

AppManager for WebLogic Server UNIX has the following system requirements:

Item	Version
NetIQ AppManager installed on the AppManager repository (QDB) computers and on all console computers	8.2 or later
NetIQ UNIX agent operating system on the computers you want to monitor (agent computers)	One of the following: ◆ Unix Agent 8.2 with patch 8.2.0.1 ◆ UNIX Agent 8.1.0.1 or 8.1.0.11 with patch 8.1.0.14 ◆ Weblogic Server 12, 11, or 10 ◆ Java Runtime Environment (JRE) 1.8, 1.7, 1.6, or 1.5 ◆ Java 1.8, 1.7, 1.6, or 1.5
Operating system on agent computers	One of the following: ◆ CentOS ◆ HP-UX ◆ IBM AIX ◆ Oracle Linux ◆ Oracle Solaris ◆ Red Hat Enterprise Linux ◆ SUSE Linux Enterprise Server

The Java executable that starts the NetIQ WebLogic agent and the libAgentProvider shared library used by the NetIQ WebLogic agent must either be 64-bit or be 32-bit. If this condition is not met, discovery fails. For most platforms, the libAgentProvider shared library is a 32-bit library.

The WebLogic Discovery Knowledge Script looks for a Java executable in the path you specify in the **Directory to search for a Java Runtime Environment** field of the Knowledge Script. If you did not specify a directory, the Knowledge Script uses the information contained in the Oracle WebLogic registry file in the Oracle WebLogic directory

If you encounter problems using this module with a later version of your application, contact NetIQ Technical Support.

2.2 Installing the Module

To install the module you must:

- Install the Knowledge Scripts by running the module installer `.msi` on all AppManager repositories that store data for this module.
- Install the Help files by running the module installer `.msi` on all AppManager Control Center and Operator Console computers you will use with this module.
- Ensure that the UNIX agent 8.1.0.1 or 8.1.0.11 with patch 8.1.0.14, or UNIX agent 8.2 with patch 8.2.0.1 is installed on the computer you want to monitor.

You can access the `AM70-WebLogicSvrUNIX-8.0.x.x.msi` module installer, the `p81p14.zip` patch and the `p82p1.zip` patch from the `AM70_WebLogicSvrUNIX_8.0.x.x` self-extracting installation package on the AppManager Module Upgrades & Trials page.

The module installer now installs Knowledge Scripts for each module directly into the QDB instead of to the `\AppManager\qdb\kp` folder as in previous releases of AppManager.

To install the module:

1. Ensure you have the UNIX agent installed on the managed computer or computers. For information about how to install the agent, see the *AppManager for UNIX and Linux Servers* Management Guide.
2. Install the Knowledge Scripts into the QDB by running the module installer, `AM70-WebLogicSvrUNIX-8.0.x.x.msi`, on the QDB computer:
   - **2a** Select **Install Knowledge Scripts** to install the repository components.
   - **2b** Specify the SQL Server name of the server hosting the QDB, as well as the case-sensitive QDB name.
3. (Conditional) If you use Control Center 7.x, run the module installer for each QDB attached to Control Center.
4. (Conditional) If you use Control Center 8.x or later, run the module installer only for the primary QDB. Control Center automatically replicates this module to secondary QDBs.
5. Run the module installer, `AM70-WebLogicSvrUNIX-8.0.x.x.msi`, on all console computers to install the Help and console extensions.
6. (Conditional) If you have not discovered WebLogic Server UNIX resources, run the Discovery_WebLogicSvrUNIX Knowledge Script on all agent computers that you want to monitor. For more information, see Section 2.3, “Discovering WebLogic Server UNIX Resources,” on page 13.
7. (Conditional) In the AppManager 9.2 or later setup, upgrade any running Knowledge Script jobs to get the updates provided in this release. For more information, see Section 2.4, “Upgrading the Knowledge Script Jobs in AppManager 9.2 or later,” on page 14.

After the installation has completed, the `WebLogicSvrUNIX_Install.log` file, located in the `\NetIQ\Temp\NetIQ_Debug\<`*ServerName*`>` folder, lists any problems that occurred.

2.2.1 Silently Installing the Knowledge Scripts

To silently install the module on an AppManager repository, you can use Windows authentication or SQL authentication.

Windows authentication:

```
AM70-WebLogicSvrUNIX-8.0.x.x.msi /qn MO_B_QDBINSTALL=1 MO_B_SQLSVR_WINAUTH=1
MO_SQLSVR_NAME=[SQLServerName] MO_QDBNAME=[AMRepositoryName]
```

SQL authentication:

```
AM70-WebLogicSvrUNIX-8.0.x.x.msi /qn MO_B_QDBINSTALL=1 MO_B_SQLSVR_WINAUTH=0
MO_SQLSVR_USER=[SQL login] MO_SQLSVR_PWD=[SQLLoginPassword]
MO_SQLSVR_NAME=[SQLServerName] MO_QDBNAME=[AMRepositoryName]
```

2.3 Discovering WebLogic Server UNIX Resources

Use the Discovery_WebLogicSrvUNIX Knowledge Script to discover configuration and resource information for WebLogic servers. The Discovery_WebLogicSrvUNIX script also tracks, displays, and provides various alerts about WebLogic services.

Before you discover, if the UNIX agent is running under a non-root user account, perform the following steps:

1. Ensure that the account running the UNIX agent has permission to access the WebLogic directories, for example, `registry.xml` file.
2. Add the following entries to the `/etc/uroot.cfg` file:

   ```
   /usr/sbin/lsof
   $NQMAGT_HOME/bin/lsof
   $NQMAGT_HOME/mo/bin/FindPidForPort.sh
   ```
3. Restart the agent.

By default, this script runs once for each computer.

Set the **Values** tab parameters as needed:

Description	How to Set It
Raise event when discovery succeeds? (y/n)	Set to y to raise an event when the Knowledge Script discovers a WebLogic Server. The default is y.
Event severity when discovery succeeds	Specify a severity level for the event raised by successful discovery of a WebLogic Server. The default is 25.
Event severity when discovery fails	Specify a severity level for the event raised by failure to discover a WebLogic Server. The default is 5.
Event severity when discovery partially succeeds	Specify a severity level for the event raised when the Knowledge Script starts but does not run to completion. The default is 10.
Communication Channel (Clear Text/SSL)	Select the channel for communication with a WebLogic Server. The default communication channel is Clear Text.

Trusted Server CA Certificate (applicable if communication channel is SSL)	Specify the path for the trusted server CA certificate. **NOTE:** You must specify the certificate path if you select SSL for the Communication Channel parameter. If you don't, an error message displays when you run the Knowledge Script.
Administration Server hostname:port. Must match Security Manager entry	Specify the hostname containing an Administration Server for the WebLogic domain and the port number on which the Administration Server is listening. The hostname and port must be separated by a colon. If you are discovering multiple servers and need to contact more than one Administration Server, specify each hostname:port combination, separated by a semi-colon. Do not add spaces before or after the semicolon. For example: `localhost:80;storm:888;wilder:1333` The default is `localhost:7001`. **NOTE:** Ensure that all combinations are entered in Security Manager.
Oracle WebLogic home directory. Must contain the registry.xml file	Specify the home directory of your WebLogic Server installation. This directory must contain the `registry.xml` file. If you are discovering multiple installations of WebLogic, specify each home directory, separated by a semi-colon. Do not add spaces before or after the semicolon. For example, `/usr/weblogic;/opt/web/weblogic`. The default is `/usr/`.
Directory to search for a Java Runtime Environment	Specify a directory in which a Java Runtime Environment is installed. Note that there is no default.
Port to use for NetIQ WebLogic Server agent.	Specify the port on which the NetIQ WebLogic agent receives requests. If you are discovering multiple versions of WebLogic, specify each version with a unique port, separated by semi-colons. For example: `2000;2001`. The default is 2000.

After you successfully run the Discovery_WebLogicSrvUNIX Knowledge Script, you should see the new WebLogicSvrUNIX Knowledge Script category in the Operator Console or Control Center. You are now ready to begin monitoring WebLogic Server.

2.4 Upgrading the Knowledge Script Jobs in AppManager 9.2 or later

This release of AppManager for WebLogic Server UNIX contains updated Knowledge Scripts. In the AppManager 9.2 or later setup, you can push the changes for the updated scripts to the running Knowledge Script jobs in one of the following ways:

- Use the AMAdmin_UpgradeJobs Knowledge Script.
- Use the Properties Propagation feature.

2.4.1 Running AMAdmin_UpgradeJobs

The AMAdmin_UpgradeJobs Knowledge Script can push changes to the running Knowledge Script jobs. Your AppManager repository (QDB) must be at version 9.2 or later. To download the hotfix, see the AppManager Suite Hotfixes Web page.

Upgrading jobs to use the most recent script version allows the jobs to take advantage of the latest script logic while maintaining existing parameter values for the job.

For more information, see the Help for the AMAdmin_UpgradeJobs Knowledge Script.

2.4.2 Propagating Knowledge Script Changes

You can propagate script changes to the jobs that are running and to the Knowledge Script Groups, including the recommended Knowledge Script Groups and the renamed Knowledge Scripts.

Before propagating script changes, verify that the script parameters are set to your specifications. Customized script parameters might have reverted to default parameters during the installation of the module. You might need to set new parameters for your environment or application.

You can choose to propagate only properties (specified in the Schedule and Values tabs), only the script (which is the logic of the Knowledge Script), or both. Unless you know specifically that changes affect only the script logic, you should propagate both properties and the script.

For more information about propagating Knowledge Script changes, see the *Running Monitoring Jobs* chapter of the *Operator Console User Guide for AppManager*.

Propagating Changes to Ad Hoc Jobs

You can propagate the properties and the logic (script) of a Knowledge Script to ad hoc jobs started by that Knowledge Script. Corresponding jobs are stopped and restarted with the Knowledge Script changes.

To propagate changes to ad hoc Knowledge Script jobs:

1. In the Knowledge Script view, select the Knowledge Script for which you want to propagate changes.
2. Click **Properties Propagation** > **Ad Hoc Jobs**.
3. Select the components of the Knowledge Script that you want to propagate to associated ad hoc jobs:

Select	To propagate
Script	The logic of the Knowledge Script.
Properties	Values from the Knowledge Script Schedule and Values tabs, such as schedule, monitoring values, actions, and advanced options.

Propagating Changes to Knowledge Script Groups

You can propagate the properties and logic (script) of a Knowledge Script to corresponding Knowledge Script Group members.

After you propagate script changes to Knowledge Script Group members, you can propagate the updated Knowledge Script Group members to associated running jobs. For more information, see “Propagating Changes to Ad Hoc Jobs” on page 15.

To propagate Knowledge Script changes to Knowledge Script Groups:

1. In the Knowledge Script view, select the Knowledge Script Group for which you want to propagate changes.
2. On the KS menu, select **Properties propagation** > **Ad Hoc Jobs**.
3. (Conditional) If you want to exclude a Knowledge Script member from properties propagation, clear that member from the list in the Properties Propagation dialog box.
4. Select the components of the Knowledge Script that you want to propagate to associated Knowledge Script Groups:

Select	To propagate
Script	The logic of the Knowledge Script.
Properties	Values from the Knowledge Script Schedule and Values tabs, including the schedule, actions, and Advanced properties.

5. Click **OK**. Any monitoring jobs started by a Knowledge Script Group member are restarted with the job properties of the Knowledge Script Group member.

3 WebLogicSvrUNIX Knowledge Scripts

AppManager provides the following Knowledge Scripts for monitoring WebLogic Server UNIX UNIX servers.

From the Knowledge Script view of Control Center, you can access more information about any NetIQ-supported Knowledge Script by selecting it and clicking **Help**. In the Operator Console, click any Knowledge Script in the Knowledge Script pane and press **F1**.

Knowledge Script	What It Does
Availability	Monitors the availability of a WebLogic Server.
HealthCheck	Verifies that a WebLogic Server is running, can respond to requests, and can accept connections from clients.
LogAccessLog	Returns the number of entries in the WebLogic Server's `access.log` since the last sample that match the search criteria. Provides a way to monitor HTTP requests and sessions.
LogAccessLogSetPath	Sets the absolute pathname for a Web server log file.
LogWebLogic	Monitors entries that are added to the log for a WebLogic Server.
LogWebLogicSetPath	Sets the absolute pathname for a WebLogic Server log file.
Memory	Monitors the physical and virtual memory use of a WebLogic Server.
SecurityUserLockout	Monitors statistics on the number of users locked out because invalid usernames or passwords were supplied at login.
ServerCPU	Returns WebLogic Server CPU utilization statistics.
ServerHealthState	Returns the health state of a WebLogic Server.
ServerJVMHeap	Returns statistics on the JVM Heap.
ServerRequests	Returns statistics on the requests received by the WebLogic Server.
ServerSecurity	Monitors statistics on the number of users locked out because invalid usernames or passwords were supplied at login.
ServerSockets	Monitors the number of open sockets on a WebLogic Server.
ServerState	Monitors the state (`RUNNING` or not) of a WebLogic Server as reported by the WebLogic Server.
ServerUptime	Monitors how many hours a WebLogic Server has been running.
StartAdminServer	Starts a specified WebLogic Server as the Administration Server for the domain.
StartServer	Starts a specified WebLogic Server as a Managed Server.
StopServer	Stops a specified WebLogic Server, which can be either an Administration Server or a Managed Server.

3.1 Knowledge Scripts by Category

You can run Knowledge Scripts from the following categories to monitor specific services:

3.1.1 Managed Server/Cluster Knowledge Scripts

Run the following Knowledge Scripts on managed servers, the Node Manager, and clusters.

Knowledge Script	What It Does
ClusterMessage	Monitors a server’s view of the members of a WebLogic cluster.
StartServerNodeMgr	Starts a WebLogic Server as a Managed Server using the Node Manager.

3.1.2 JDBC Connection Pool Knowledge Scripts

Run the following Knowledge Scripts on JDBC connection pools:

Knowledge Script	What It Does
JDBCAvailableConnections	Monitors the available number of connections in a JDBC Connection Pool.
JDBCClients	Monitors statistics on the clients of a JDBC Connection Pool.
JDBCConnectionCapacity	Monitors the current and maximum capacity of a JDBC Connection Pool.
JDBCConnections	Monitors statistics on the connections in a JDBC Connection Pool.

3.1.3 Java Message System (JMS) Knowledge Scripts

Run the following Knowledge Scripts on the JMS subsystem of a WebLogic Server:

Knowledge Script	What It Does
JMS	Monitors the number of JMS Connections in use and the number of JMS servers deployed by a WebLogic Server.
JMSConnectionsSessions	Returns statistics on the number of sessions for JMS connections.
JMSHealthState	Returns the health state of the JMS subsystem of a WebLogic Server.
JMSServersBytesStored	Returns statistics on the number of bytes stored for the JMS servers.
JMSServersDestinations	Returns statistics on the number of destinations instantiated on the JMS servers.
JMSServersHealthState	Returns the health state of the JMS Servers of a WebLogic Server.
JMSServersMsgsStored	Returns statistics on messages for the JMS servers.
JMSServersSessionPools	Returns statistics on the session pools instantiated on the JMS servers.

3.1.4 Java Virtual Machine (JVM) Knowledge Scripts

Run the following Knowledge Scripts on the JVM:

Knowledge Script	What It Does
JRockitGC	Returns statistics on the last time garbage collection was executed in the server and the total amount of time spent in garbage collection.
JRockitThreads	Returns statistics on the number of daemon threads and the total number of threads within the WebLogic Server.

3.1.5 Java Message System (JMS) Pooled Connection Knowledge Scripts

Run the following Knowledge Scripts to monitor the JMS pooled connections:

Knowledge Script	What It Does
JMSPooledConnAvail	Monitors the number of sessions available, unavailable, and reserved in a JMS Pooled Connection.
JMSPooledConnError	Monitors the sessions leaked and sessions unable to be refreshed in a JMS Pooled Connection.
JMSPooledConnSession	Monitors statistics on the sessions in a JMS Pooled Connection. This script reports on the number of allocated and destroyed sessions, the current and maximum capacity of the pool, and the average number of reserved sessions.

Knowledge Script	What It Does
JMSPooledConnWait	Monitors the number of threads waiting on the sessions in a JMS Pooled Connection, and the amount of time the threads wait.

3.1.6 Java Transaction API (JTA) Knowledge Scripts

Run the following Knowledge Scripts on the JTA subsystem of a WebLogic Server:

Knowledge Script	What It Does
JTAActiveTrans	Monitors the current number of transactions in progress on a WebLogic Server.
JTACompletedTrans	Monitors the transactions that have completed on a WebLogic Server since the last sample.
JTAHealthState	Returns the health state of the JTA subsystem of a WebLogic Server.
JTATransRolledBack	Provides statistics on the causes for transaction rollbacks.
TransResources	Returns statistics for the transactional resources of a WebLogic Server.
TransResHealthState	Returns the health state of the transactional resources of a WebLogic Server.
TransResHeuristics	Provides a breakdown of the reasons for heuristic completes for the transactional resources of a WebLogic Server.
TransCateg	Returns statistics for the transaction categories of a WebLogic Server.
TransCategRollBacks	Provides statistics on the reasons why transactions were rolled back for the transaction categories of a WebLogic Server.

3.1.7 Enterprise JavaBeans (EJB) Knowledge Scripts

Run the following Knowledge Scripts on the EJBs on a WebLogic Server:

Knowledge Script	What It Does
EntityEJBCache	Returns statistics on caching for an Entity EJB.
EntityEJBError	Returns statistics on errors generated by an Entity EJB.
EntityEJBPool	Returns the percentage of beans that are idle and in-use for an Entity EJB.
EntityEJBTrans	Returns statistics on transactions for an Entity EJB.
EntityEJBWait	Returns the number of times a client has waited for an Entity EJB and the number of times that clients have timed out waiting for an Entity EJB.
MsgDrivenEJBError	Monitors errors generated by a message-driven EJB.
MsgDrivenEJBPool	Monitors the number of message-driven EJBs that are in use and the number that are idle.
MsgDrivenEJBTrans	Returns statistics on transactions for a message-driven EJB.

Knowledge Script	What It Does
MsgDrivenEJBWait	Returns the number of times a client has waited for a message-driven EJB and the number of times that clients have timed out waiting for a message-driven EJB.
StatefulEJBCache	Returns statistics on the cache for a Stateful EJB.
StatefulEJBTrans	Returns statistics on transactions for a Stateful EJB.
StatefulEJBWait	Returns the number of times a client waited for a bean and the number of times that clients have timed out waiting for a bean for the Stateful EJB.
StatelessEJBError	Monitors errors generated by a Stateless EJB.
StatelessEJBPool	Returns the number and percentage of beans that are idle and in use for a Stateless EJB.
StatelessEJBTrans	Returns statistics on transactions for a Stateless EJB.
StatefulEJBWait	Returns the number of times a client waited for a bean and the number of times that clients have timed out waiting for a bean for the Stateless EJB.

3.1.8 Web Applications and Servlets Knowledge Scripts

Run the following Knowledge Scripts on the Web applications and servlets on a WebLogic Server:

Knowledge Script	What It Does
ServletExecTime	Monitors the execution times and number of times that the servlets of a Web application were invoked.
WebAppSessions	Monitors the current number of sessions of a Web application and the number of sessions that have been run since the last sample.

3.1.9 Connector Connections Knowledge Scripts

Run the following Knowledge Scripts on the Connector connections of a WebLogic Server:

Knowledge Script	What It Does
ConnectorConnCurrent	Monitors statistics on the current number of active and free Connector connections.
ConnectorConnRequests	Returns the number of Connector connections created, destroyed, matched, rejected and recycled since the last sample.

3.1.10 Data-Gathering Knowledge Script

Run the following Knowledge Script to start or stop components that gather data for the Knowledge Scripts:

Knowledge Script	What It Does
NetIQAgent	Starts or stops the NetIQ UNIX agent that helps gather data about WebLogic Servers and their components.

3.1.11 SQL Profiling and Monitoring Knowledge Scripts

Run the following Knowledge Script to monitor individual SQL statements:

Knowledge Script	What It Does
JDBCEnableSQLProfiling	Enables or disables profiling of SQL statements.

3.1.12 WebLogic Server Report Knowledge Scripts

Run the following Knowledge Scripts to generate reports:

Knowledge Script	What It Does
Report_HealthSummary	Generates a report summarizing the health of monitored WebLogic servers.
Report_PerfSummary	Generates a report summarizing the performance of monitored WebLogic servers.

3.2 Availability

Use this Knowledge Script to monitor availability of a WebLogic Server. This script verifies that a WebLogic Server is running and can accept requests.

3.2.1 Resource Object

WebLogic Server

3.2.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.2.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Event severity when WebLogic Server is not responding?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.

3.3 ClusterMessage

Use this Knowledge Script to monitor a server's view of the members of a WebLogic cluster. This script reports statistics on the multicast message and fragments sent and received by a WebLogic server.

3.3.1 Resource Object

WebLogic Server

3.3.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.3.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Fragments sent threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of fragments sent since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when fragments sent exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Fragments received threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of fragments received since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when fragments received exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Resend requests threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of requests to resend a message since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when resend requests exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Messages lost threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of incoming messages lost since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is -1.
Event severity when messages lost exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Foreign fragments dropped threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of fragments received from a foreign domain or foreign cluster since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when foreign fragments dropped exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.4 ConnectorConnCurrent

Use this Knowledge Script to monitor the number of active and free connections in a Connector Connection Pool. These statistics provide a view of the Connector Connection Pool from the server's perspective, which will help determine if the capacity of the pool is large enough.

3.4.1 Resource Object

WebLogic Server

3.4.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.4.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the average number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when average active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Free connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of free connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when free connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak free connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of free connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak free connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent of connections in use threshold	Specify a threshold value using an integer greater than or equal to –1 and less than or equal to 100. Use –1 to ignore this threshold. If the percent of connections in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent of connections in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.5 ConnectorConnRequests

Use this Knowledge Script to monitor the rate at which a Connector Connection Pool is servicing requests for connections. These statistics provide a view of the Connector Connection Pool from the clients' perspective, which can help determine if the capacity of the pool is large enough.

3.5.1 Resource Object

WebLogic Server

3.5.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.5.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Connections created threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of connections created since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when connections created exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections destroyed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of connections destroyed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when connections destroyed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections matched threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a request for a connection was satisfied via an existing connection exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when connections matched exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections rejected threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a request for a connection was rejected exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when connections rejected exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections recycled threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of connections that have been recycled since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when connections recycled exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Connections leaked threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of leaked connections since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when leaked connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.6 EntityEJBCache

Use this Knowledge Script to monitor statistics for an Entity EJB. This script reports caching statistics for an Entity EJB.

This script can be used to determine a cache hit ratio and how frequently instances of the Entity EJB are being activated and passivated. These values will help determine if the size of the cache is appropriate.

3.6.1 Resource Object

WebLogic Server

3.6.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.6.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current beans threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans currently in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current beans exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Cache accesses threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of cache accesses since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache accesses exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Cache hit ratio threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the cache hit ratio (expressed as a percentage) since the last sample falls below this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache hit ratio falls below threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Activations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of activations since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when activations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Passivations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of passivations since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when passivations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Cache miss count threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the cache miss count since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache miss count exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.7 EntityEJBError

Use this Knowledge Script to monitor errors generated by an Entity EJB. This script reports error statistics for an Entity EJB.

This script can be used to determine the number of times the Entity EJB was destroyed due to an exception, and the number of failed attempts to retrieve an EJB from the pool. These values will help monitor the Entity EJB if errors occur.

3.7.1 Resource Object

WebLogic Server

3.7.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.7.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Destroyed bean instances threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a bean instance was destroyed due to a thrown exception exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when destroyed bean instances exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Miss count threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of failed attempts to retrieve a bean from the free pool since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when miss count exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.8 EntityEJBPool

Use this Knowledge Script to monitor for the number or percentage of in-use and idle beans in an Entity EJB pool. These values will help determine if the size of the pool has been set properly.

3.8.1 Resource Object

WebLogic Server

3.8.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.8.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Beans idle threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans that are allocated but idle exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when beans idle exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Beans in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when beans in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent of pool in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the percentage of available beans in the pool that are in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent of pool in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.9 EntityEJBTrans

Use this Knowledge Script to monitor the transaction rates for an Entity EJB. Transactions are rolled back when timeouts or application, system or resource errors occur. The JTATransRolledBack Knowledge Script provides a breakdown of the reasons for rollbacks.

3.9.1 Resource Object

WebLogic Server

3.9.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.9.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions timed out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions timed out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions timed out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.10 EntityEJBWait

Use this Knowledge Script to monitor the number of times a request had to wait for an EJB and the number of times a request timed out waiting for an EJB. Increasing the cache size might help reduce the number of timeouts.

3.10.1 Resource Object

WebLogic Server

3.10.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.10.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Times waited threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that clients have waited for a bean exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when times waited exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.11 HealthCheck

Use this Knowledge Script to make sure a WebLogic Server is running and is able to service requests. This script performs the following checks:

- Verifies the WebLogic Server is running.
- Verifies the WebLogic Server is able to respond to a request.
- Verifies the WebLogic Server is able to accept connections from clients.

This script can also be used to:

- Restart the WebLogic Server if the script determines it is not running.
- Set response time thresholds for responding to requests and establishing connections.
- Raise events (with user-defined severity levels) if the WebLogic Server is not running, is unable to respond to a request, or is unable to accept connections.

If this script detects that the WebLogic Server is not running, it raises a general event to alert you to the condition but it does not perform additional tests for responding to a request and accepting a connection from a client. Therefore, if the WebLogic Server is not running, the script does not return data or compare the thresholds for the **WebLogic Ping time** and the **Average connection time**, and does not raise events to indicate that a WebLogic Ping or connectivity test failed.

If a WebLogic Server is running but is not able to respond to a request, this Knowledge Script raises an event to indicate the ping request failed, but the script does not return data or compare the thresholds for the **WebLogic Ping time**. Similarly, if a WebLogic Server is running, but is not able to accept a connection from a client, this Knowledge Script raises an event to indicate that the connectivity test failed, but the script does not return data or compare the thresholds for the **Average connection time**.

3.11.1 Resource Object

WebLogic Server

3.11.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.11.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Event severity when server is not running	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Restart WebLogic Server if not running?	Set to **y** to restart the WebLogic server if it is not running. The default value is n.
Use Node Manager to restart server?	Set to y to restart the WebLogic server using Node Manager. The default value is n.
Start Command	Set to the name of the script file that you use to start a WebLogic Server, including any parameters that the script requires. The name of the script must include the complete path for the file.
Start Command Parameters	Specify conditions to apply to the Start Command parameter.
Pass name of server, IP address, port, admin username and password to Start Script?	Set to y to pass these parameters to the Start Script. These parameters will be added to the end of the string supplied for Start Script. The default value is n.
Start time limit	Set to the number of seconds within which the WebLogic Server should complete initialization. The default value is 300.
Requests	Set to the number of requests, between 1 and 10, that should be made to the server to determine if it is able to respond to requests. The default value is 3.
WebLogic Ping time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the WebLogic Ping time in seconds exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when WebLogic Ping response not received	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when WebLogic Ping time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections	Set to the number of connections, between 1 and 10, that should be made to the server to determine if it is able to accept connections from clients. The default value is 3.
Average connection time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the average time in seconds it took the server to establish a connection exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when connection not established	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when connection time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.12 JDBCAvailableConnections

Use this Knowledge Script to monitor the available number of connections in a JDBC Connection Pool. This script reports the number of available and unavailable connections for a JDBC Connection Pool.

This script can be used to monitor the number available and unavailable connections in a JDBC Connection Pool, and the peak number of available and unavailable connections in a JDBC Connection Pool. These values will help determine if the JDBC Connection Pool is over-utilized or under-utilized.

3.12.1 Resource Object

WebLogic Server

3.12.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.12.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Available connections threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of available connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when available connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak number of available connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of available connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak number of available connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Unavailable connections threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of unavailable connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when unavailable connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Peak number of unavailable connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of unavailable connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak number of unavailable connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.13 JDBCClients

Use this Knowledge Script to monitor the number of requests that had to wait for a JDBC Connection and how long it took for a request to get a connection. If these values are consistently high, consider increasing the size of the pool.

This script can be used to measure how quickly and efficiently the JDBC Connection Pool is servicing clients' requests and will help determine if the capacity of the pool is sufficient.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.13.1 Resource Object

WebLogic Server

3.13.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.13.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Clients waiting threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of clients waiting for a JDBC connection exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when clients waiting exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak clients waiting threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of clients waiting for a JDBC connection exceeds this threshold, this Knowledge Script raises an event. The default value is 0.

Description	How to Set It
Event severity when peak clients waiting exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak wait time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the longest time (in seconds) that a client waited for a JDBC connection exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak wait time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average connection delay time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the average time (in seconds) that a client waited for a JDBC connection exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when average connection delay time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.14 JDBCConnections

Use this Knowledge Script to monitor a JDBC Connection Pool. This script reports the number of active connections in the JDBC Connection Pool and will indicate whether the capacity of the pool needs adjustment.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.14.1 Resource Object

WebLogic Server

3.14.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.14.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Total connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the total number of connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when total connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent of connections in use threshold	Specify a threshold value using an integer greater than or equal to –1 and less than or equal to 100. Use –1 to ignore this threshold. If the percent of connections in use exceeds this threshold, this Knowledge Script raises an event. The default value is -1.
Event severity when percent of connections in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Leaked connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of leaked connections since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when leaked connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Refresh failures threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of refresh failures since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when refresh failures exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average active connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the average number of active connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when average active connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.15 JDBCConnectionCapacity

Use this Knowledge Script to monitor the current and maximum capacity of a JDBC Connection Pool. These values will help determine if the JDBC Connection Pool is too large or too small.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.15.1 Resource Object

WebLogic Server

3.15.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.15.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current capacity threshold	Specify the number of JDBC Connection Pool using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the current JDBC Connection Pool exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current capacity exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Maximum capacity threshold	Specify the number of JDBC Connection Pool using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the maximum JDBC Connection Pool exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when maximum capacity exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.16 JDBCEnableSQLProfiling

Use this Knowledge Script to enable or disable profiling of SQL statements. This script provides a way to enable or disable SQL statement profiling without using the Administrator Console.

3.16.1 Resource Object

WebLogic Server

3.16.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.16.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Enable SQL statement profiling	Set to y to enable SQL statement profiling within the WebLogic Server. The default value is y.

3.17 JMS

Use this Knowledge Script to monitor the Java Message System (JMS). This script monitors the number of JMS Connections in use and the number of JMS servers deployed by a WebLogic Server.

3.17.1 Resource Object

WebLogic Server

3.17.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.17.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of JMS Connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak connections threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of JMS Connections exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak connections exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Connections made threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of JMS Connections made to this WebLogic Server since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when connections made exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Current servers threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of deployed JMS Servers exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current servers exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak servers threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of deployed JMS Servers exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak servers exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Servers deployed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of JMS Servers deployed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when servers deployed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.18 JMSConnectionsSessions

Use this Knowledge Script to monitor JMS connections. This script monitors the number of sessions in use for each JMS Connection and the rate at which sessions are being opened.

3.18.1 Resource Object

WebLogic Server

3.18.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.18.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of sessions for the JMS Connection exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when current sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of sessions for the JMS Connection exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Sessions opened threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of sessions opened for the JMS Connection since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when sessions opened exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.19 JMSHealthState

Use this Knowledge Script to monitor the health state of the JMS subsystem of a WebLogic Server.

3.19.1 Resource Object

WebLogic Server

3.19.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.19.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Scale to 100?	Set to y to scale the values to 100. The default values range from 0-3, where 0 is `OK`, and 3 is `FAIL`. Setting to y will scale the values from 0-100, where 0 is `FAIL` and 100 is `OK`. The default value is n.
Event for health state of FAIL?	Set to y to raise an event if the health state is `FAIL`. The default value is y.
Event severity when health state is FAIL?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for health state of CRITICAL?	Set to y to raise an event if the health state is `CRITICAL`. The default value is y.

Description	How to Set It
Event severity when health state is CRITICAL	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event for health state of WARNING?	Set to y to raise an event if the health state is WARNING. The default value is y.
Event severity when health state is WARNING	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event for health state of OK?	Set to y to raise an event if the health state is OK. The default value is n.
Event severity when health state is OK	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.20 JMSPooledConnAvail

Use this Knowledge Script to monitor number of sessions available, unavailable, and reserved in a JMS Pooled Connection. These values will help determine if the JMS Pooled Connection is too large or too small.

3.20.1 Resource Object

WebLogic Server

3.20.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.20.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Available sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of available sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when available sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak available sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of available sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when peak available sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Reserved sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of reserved sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when reserved sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak reserved sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of reserved sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when peak reserved sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Unavailable sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of unavailable sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when unavailable sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak number of unavailable sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of unavailable sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when peak number of unavailable sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.21 JMSPooledConnError

Use this Knowledge Script to monitor the sessions leaked and sessions unable to be refreshed in a JMS Pooled Connection. These values will help determine when errors and leaks occur when using a JMS Pooled Connection.

3.21.1 Resource Object

WebLogic Server

3.21.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.21.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Leaked sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of leaked sessions since the last sample exceeds this threshold, an event is raised. The default value is 0.
Event severity when leaked sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Refresh failures threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of refresh failures since the last sample exceeds this threshold, an event is raised. The default value is 0.
Event severity when refresh failures exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.22 JMSPooledConnSession

Use this Knowledge Script to monitor statistics on the sessions in a JMS Pooled Connection. This script reports on the number of allocated and destroyed sessions, the current and maximum capacity of the pool, and the average number of reserved sessions. These values will help determine if the JMS Pooled Connection is overloaded or under-utilized.

3.22.1 Resource Object

WebLogic Server

3.22.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.22.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current capacity threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of current capacity exceeds this threshold, an event is raised. The default value is –1.

Description	How to Set It
Event severity when current capacity exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Maximum capacity threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the maximum capacity of available sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when maximum capacity exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Allocated sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of allocated sessions since the last sample exceeds this threshold, an event is raised. The default value is –1.
Event severity when allocated sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Destroyed sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of destroyed sessions since the last sample exceeds this threshold, an event is raised. The default value is –1.
Event severity when destroyed sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average number of reserved sessions threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the average number of reserved sessions exceeds this threshold, an event is raised. The default value is –1.
Event severity when average number of reserved sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.23 JMSPooledConnWait

Use this Knowledge Script to monitor the number of threads waiting on the sessions in a JMS Pooled Connection, and the amount of time the threads wait. These values will help determine if the JMS Pooled Connection is overloaded.

3.23.1 Resource Object

WebLogic Server

3.23.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.23.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Threads waiting threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of threads waiting for a session exceeds this threshold, an event is raised. The default value is –1.
Event severity when threads waiting exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak number of threads waiting threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of threads waiting for a session exceeds this threshold, an event is raised. The default value is –1.
Event severity when peak number of threads waiting exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak wait time threshold in secs	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the longest amount of time a thread waited for a session in seconds since the last sample exceeds this threshold, an event is raised. The default value is –1.
Event severity when peak wait time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average creation delay time threshold in secs	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the average amount of time to create each session in seconds exceeds this threshold, an event is raised. The default value is –1.
Event severity when average creation delay time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.24 JMSServersBytesStored

Use this Knowledge Script to monitor JMS servers. This script monitors the number of bytes consumed by messages on each JMS server.

The **Time in threshold condition** parameter is the time (in seconds) that the current number of bytes consumed exceeds a WebLogic Server threshold for that JMS server. This value, along with the current number of bytes, can help you adjust the maximum bytes for the JMS server.

3.24.1 Resource Object

WebLogic Server

3.24.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.24.3 Setting Parameter values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current bytes threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the current number of bytes stored on this JMS Server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current bytes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Pending bytes threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the current number of pending bytes stored on this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when pending bytes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak bytes threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of bytes stored on this JMS Server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak bytes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Time in threshold condition threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the number of seconds spent in the threshold condition (due to the number of bytes stored on this JMS Server) since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when time in threshold condition exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.25 JMSServersDestinations

Use this Knowledge Script to monitor JMS servers. This script monitors the current number of destinations for each JMS server and the rate at which those destinations are being created.

3.25.1 Resource Object

WebLogic Server

3.25.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.25.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current destinations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of destinations for this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current destinations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak destinations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of destinations for this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak destinations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Destinations instantiated threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of destinations instantiated on this JMS server since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when destinations instantiated exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.26 JMSServersHealthState

Use this Knowledge Script to monitor the health state of the JMS servers of a WebLogic Server.

3.26.1 Resource Object

WebLogic Server

3.26.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.26.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Scale to 100?	Set to y to scale the values to 100. The default values range from 0-3, where 0 is OK, and 3 is FAIL. Setting to y will scale the values from 0-100, where 0 is FAIL and 100 is OK. The default value is n.
Event for health state of FAIL?	Set to y to raise an event if the health state is FAIL. The default value is y.
Event severity when health state is FAIL?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for health state of CRITICAL?	Set to y to raise an event if the health state is CRITICAL. The default value is y.
Event severity when health state is CRITICAL	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event for health state of WARNING?	Set to y to raise an event if the health state is WARNING. The default value is y.
Event severity when health state is WARNING	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event for health state of OK?	Set to y to raise an event if the health state is OK. The default value is n.
Event severity when health state is OK	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.27 JMSServersMsgsStored

Use this Knowledge Script to monitor JMS servers. This script monitors the number of messages on each JMS server. The time in threshold condition is the number of seconds in which the current number of messages is above or below a WebLogic Server threshold for that JMS server. This value, along with the current number of messages, can help you adjust the maximum messages for the JMS server.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.27.1 Resource Object

WebLogic Server

3.27.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.27.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current messages threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of messages stored on this JMS server, not including pending messages, exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current messages exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Pending messages threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of pending messages (unacknowledged or uncommitted) stored on this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when pending messages exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak messages threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of messages stored on this JMS Server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak messages exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Time in threshold condition threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the number of seconds time spent in the threshold condition (due to the number of messages stored on this JMS server) exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when time in threshold condition exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.28 JMSServersSessionPools

Use this Knowledge Script to monitor JMS servers. This script monitors the number of session pools in use by each JMS server and the rate at which those pools are being created.

3.28.1 Resource Object

WebLogic Server

3.28.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.28.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current session pools threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of session pools instantiated on this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current session pools exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak session pools threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of session pools instantiated on this JMS server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak session pools exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Session pools instantiated threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of session pools instantiated on this JMS server since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when session pools instantiated bytes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.29 JRockitGC

Use this Knowledge Script to monitor the last time garbage collection was executed in the server and the total amount of time spent in garbage collection. These values will help determine potential bottlenecks within the WebLogic Server instance.

3.29.1 Resource Object

WebLogic Server

3.29.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.29.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Seconds since last garbage collection ended threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of seconds since the last garbage collection run exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when seconds since last garbage collection exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Number of garbage collection runs threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of garbage collection runs since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when number of garbage collection runs exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average garbage collection time threshold in secs	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the average time spent in a garbage collection run in seconds since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when average garbage collection time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.30 JRockitThreads

Use this Knowledge Script to monitor the number of daemon threads and the total number of threads within the WebLogic Server. These values will help determine potential bottlenecks within the WebLogic Server instance.

3.30.1 Resource Object

WebLogic Server

3.30.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.30.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Number of daemon threads threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of daemon threads exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when number of daemon threads exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Total number of threads threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the total number of threads exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when total number of threads exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.31 JTAActiveTrans

Use this Knowledge Script to monitor the current number of transactions in progress on a WebLogic Server.

3.31.1 Resource Object

WebLogic Server

3.31.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.31.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Active transactions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of active transactions exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when active transactions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.32 JTACompletedTrans

Use this Knowledge Script to monitor the Java Transaction API (JTA). This script monitors the transactions that have completed on a WebLogic Server since the last sample. Transactions are rolled back when timeouts or application, system or resource errors occur. The JTATransRolledBack script provides a breakdown of the reasons for rollbacks.

3.32.1 Resource Object

WebLogic Server

3.32.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.32.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Total transactions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the total number of transactions since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when total transactions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.

Description	How to Set It
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Heuristic completes threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions with heuristic completes since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when heuristic completes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average commit time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the average commit time in seconds exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when average commit time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions abandoned threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions abandoned since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is -1.
Event severity when transactions abandoned exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.33 JTAHealthState

Use this Knowledge Script to monitor the health state of the JTA subsystem of a WebLogic Server.

3.33.1 Resource Object

WebLogic Server

3.33.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.33.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Scale to 100?	Set to y to scale the values to 100. The default values range from 0-3, where 0 is OK, and 3 is FAIL. Setting to y will scale the values from 0-100, where 0 is FAIL and 100 is OK. The default value is n.
Event for health state of FAIL?	Set to y to raise an event if the health state is FAIL. The default value is y.
Event severity when health state is FAIL?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for health state of CRITICAL?	Set to y to raise an event if the health state is CRITICAL. The default value is y.
Event severity when health state is CRITICAL	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event for health state of WARNING?	Set to y to raise an event if the health state is WARNING. The default value is y.
Event severity when health state is WARNING	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event for health state of OK?	Set to y to raise an event if the health state is OK. The default value is n.
Event severity when health state is OK	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.34 JTATransRolledBack

Use this Knowledge Script to obtain a breakdown of the reasons why transactions were rolled back.

3.34.1 Resource Object

WebLogic Server

3.34.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.34.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Resource errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to resource errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when resource errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Application errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to application errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when application errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
System errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to system errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when system errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.35 LogAccessLog

Use this Knowledge Script to monitor entries that are added to the Web server log of a WebLogic Server. The entries that are monitored can be restricted by supplying Perl regular expressions to indicate which entries should be included or excluded from consideration. The script checks only the new log entries that were created since the last time the script examined the log. By monitoring `access.log`, you can gather statistics on HTTP requests and sessions.

3.35.1 Resource Object

WebLogic Server

3.35.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.35.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Number matched threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of log entries that matched the search criteria exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when number matched exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Include filter	Set to a string that is a regular expression that specifies the include filter.
Include modifier	Set to a string that is a modifier for the regular expression include filter. The default value is a null string.
Exclude filter	Set to a string that is a regular expression that specifies the exclude filter. The default value is a null string.
Exclude modifier	Set to a string that is a modifier for the regular expression exclude filter. The default value is a null string.

3.36 LogAccessLogSetPath

Use this Knowledge Script to set the absolute pathname for a Web server log file. The LogAccessLog Knowledge Script needs an absolute pathname for the log file, but the Administration Console of WebLogic Server will accept relative pathnames. This script provides a way to set the absolute path without having to do it through the Administration Console.

3.36.1 Resource Object

WebLogic Server

3.36.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.36.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Absolute path name for access.log file	The absolute pathname of the log file for the Web server.

3.37 LogWebLogic

Use this Knowledge Script to monitor entries that are added to the log for a WebLogic Server. The entries that are monitored can be restricted by supplying Perl regular expressions that indicate which entries should be included or excluded from consideration. The script checks only the new log entries that were created since the last time the script examined the log.

3.37.1 Resource Object

WebLogic Server

3.37.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.37.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Number matched threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of log entries that matched the search criteria exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when number matched exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Include filter	Set to a string that is a regular expression that specifies the include filter. The default value is (*).
Include modifier	Set to a string that is a modifier for the regular expression include filter. The default value is a null string.
Exclude filter	Set to a string that is a regular expression that specifies the exclude filter. The default value is a null string.
Exclude modifier	Set to a string that is a modifier for the regular expression exclude filter. The default value is a null string.

3.38 LogWebLogicSetPath

Use this Knowledge Script to set the absolute pathname for a WebLogic Server log file. The LogWebLogic Knowledge Script needs an absolute pathname for the log file, but the Administration Console of WebLogic Server will accept relative pathnames. This script provides a way to set the absolute path without having to do it through the Administration Console.

3.38.1 Resource Object

WebLogic Server

3.38.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.38.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Absolute path name for WebLogic Server log file	The absolute pathname of the WebLogic Server's log file.

3.39 Memory

Use this Knowledge Script to monitor the physical and virtual memory use of a WebLogic Server.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.39.1 Resource Object

WebLogic Server

3.39.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.39.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Real memory size threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the real memory size of a WebLogic Server in kilobytes exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when real memory size exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Virtual memory size threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the virtual memory size of a WebLogic Server in kilobytes exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when virtual memory size exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent of real memory in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the percent of real memory in use of a WebLogic Server in kilobytes exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent of real memory in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.40 MsgDrivenEJBError

Use this Knowledge Script to monitor errors generated by a message-driven EJB. This script reports error statistics for a message-driven EJB.

This script can be used to determine the number of times the message-driven EJB was destroyed due to an exception, and the number of failed attempts to retrieve an EJB from the pool. These values will help monitor the message-driven EJB if errors occur.

3.40.1 Resource Object

WebLogic Server

3.40.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.40.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Destroyed bean instances threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a bean instance was destroyed due to a thrown exception exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when destroyed bean instances exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Miss count threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of failed attempts to retrieve a bean from the free pool since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when miss count exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.41 MsgDrivenEJBPool

Use this Knowledge Script to monitor for the number or percentage of beans that are in use and idle in a message-driven EJB pool. These values will help determine if the size of the pool has been set properly.

3.41.1 Resource Object

WebLogic Server

3.41.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.41.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Beans idle threshold	Specify a threshold value using an integer greater than or equal to -1. Use -1 to ignore this threshold. If the number of beans that are allocated but idle exceeds this threshold, this Knowledge Script raises an event. The default value is -1.
Event severity when beans idle exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Beans in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when beans in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Percent of pool in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the percent of beans available in the pool in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent of pool in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.42 MsgDrivenEJBTrans

Use this Knowledge Script to monitor a message-driven EJB. This script monitors the transaction rates for a message-driven EJB. Transactions are rolled back when timeouts or application, system or resource errors occur. The JTATransRolledBack Knowledge Script provides a breakdown of the reasons for rollbacks.

3.42.1 Resource Object

WebLogic Server

3.42.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.42.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Transactions timed out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions timed out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions timed out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.43 MsgDrivenEJBWait

Use this Knowledge Script to monitor a message-driven EJB. This script monitors the number of times a request had to wait for an EJB and the number of times a request timed out waiting for an EJB. Increasing the cache size might help reduce the number of timeouts.

3.43.1 Resource Object

WebLogic Server

3.43.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.43.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Times waited threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that clients have waited for a bean exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when times waited exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.44 NetIQAgent

Use this Knowledge Script to stop (and start) the NetIQ UNIX agent, which most of the scripts use to gather information from WebLogic servers.

3.44.1 Resource Object

WebLogic Server

3.44.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.44.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Event severity when NetIQ WebLogic agent cannot be started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when NetIQ WebLogic agent cannot be stopped	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event severity when NetIQ WebLogic agent is started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event severity when NetIQ WebLogic agent is stopped	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Enable?	Set to y to start the NetIQ UNIX agent; set to n to stop it. The default value is y.

3.45 Report_HealthSummary

Use this Report Knowledge Script to generate a report summarizing the health of monitored WebLogic servers. The report provides data gathered by the HealthCheck Knowledge Script.

3.45.1 Resource Object

AppManager repository

3.45.2 Default Schedule

The default schedule for this Knowledge Script is Run once.

3.45.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Data source	Use the following parameters to select the data for your report.
Select computer(s)	Click the **Browse (...)** button to start the data wizard. Use the data wizard to select the computers for your report.
Select time range	Click the **Browse (...)** button to open the time browser. Set a specific or sliding time range for data included in your report.
Select peak weekday(s)	Click the **Browse (...)** button to select the days of the week to include in your report.
Aggregation by	Select the time period (Hour, Minute, or Day) by which the data in your report is aggregated.
Aggregation interval	Select the interval between aggregations of the data in your report. This parameter uses the time period specified in the Aggregation by parameter to calculate the interval.
Report Component Selection	Use the following parameters to define which data and statistics are displayed in the report.
Include parameter card?	Set to y to include a table in the report that lists parameter settings for the report script. The default value is y.
Include Running detail table?	Set to y to include data from the Availability detail table in the report. The default value is y.
Include Running chart?	Set to y to include data from the Availability chart in the report. The default value is y.
Threshold on running chart	Specify an integer to set a threshold for the Availability chart. Use -1 to ignore this threshold.
Include WebLogic Ping Response Time detail table?	Set to y to include data from the WebLogic Ping Response Time detail table in the report. The default value is y.
Include WebLogic Ping Response Time chart?	Set to **y** to include data from the WebLogic Ping Response Time chart in the report. The default value is y.
Units for WebLogic Ping Response Time report	Select the measurement units to be used in the WebLogic Ping Response Time report. The default value is msec (milliseconds).
Threshold on WebLogic Ping Response Time chart	Specify an integer to set a threshold for the WebLogic Ping Response Time chart. Use -1 to ignore this threshold. The default value is 0.
Include WebLogic Connect Time detail table?	Set to y to include data from the WebLogic Connect Time detail table in the report. The default value is y.

Description	How to Set It
Include WebLogic Connect Time chart?	Set to y to include data from the WebLogic Connect Time chart in the report. The default value is y.
Units for WebLogic Connect Time report	Select the measurement units to be used in the WebLogic Connect Time report. The default value is msec (milliseconds).
Threshold on WebLogic Connect Time chart	Specify an integer to set a threshold for the WebLogic Connect Time chart. Use -1 to ignore this threshold. The default value is 0.
Report settings	Use the following parameters to define the graphical presentation of data, the folder where the report is generated, and properties that identify the report.
Customize chart appearance	Click the **Browse (...)** button to open the Chart Settings window. Define the graphic properties of the charts in your report. The default value is Ribbon.
Select report location	Click the **Browse (...)** button to open the Publishing Options window. Define the report filename and specify a default folder this report. The default value is WebLogicSvrUnix_HealthSummary.
Add job ID to output folder name?	Set to y to append the job ID to the name of the output folder. This is helpful to make the correlation between a specific instance of a Report Script and the corresponding report. The default value is n.
Index-Report Title	Click in the Value column, and click the **Browse (...)** button to open the Report Properties window. Set the properties parameters as desired The default title is WebLogicSvrUnix_HealthSummary.
Add time stamp to title?	Set to y to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. Adding a time stamp is useful in order to run consecutive iterations of the same report without overwriting previous output. The default value is n.
Event notification	Use the following parameters to raise events associated with generating the report, and to set severity levels for those events.
Generate event on success?	Set to y to raise an event when the report is successfully generated. The default value is y.
Severity level for report success	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35 (magenta level indicator).
Severity level for report with no data	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25 (blue level indicator).
Severity level for report failure.	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5 (red level indicator).

3.46 Report_PerfSummary

Use this Report Knowledge Script to generate a report summarizing the throughput performance of monitored WebLogic servers. The report provides data from the ServerCPU and ServerRequests Knowledge Scripts.

3.46.1 Resource Object

AppManager repository

3.46.2 Default Schedule

The default schedule for this Knowledge Script is Run once.

3.46.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Data source	Use the following parameters to select the data for your report.
Select computer(s)	Click the **Browse (...)** button to start the data wizard. Use the data wizard to select the computers for your report.
Select time range	Click the **Browse (...)** button to open the time browser. Set a specific or sliding time range for data included in your report.
Select peak weekday(s)	Click the **Browse (...)** button to select the days of the week to include in your report.
Aggregation by	Select the time period (Hour, Minute, or Day) by which the data in your report is aggregated.
Aggregation interval	Select the interval between aggregations of the data in your report. This parameter uses the time period specified in the “Aggregation by” parameter to calculate the interval.
Report Component Selection	Use the following parameters to define which data and statistics are displayed in the report.
Include parameter card?	Set to y to include a table in the report that lists parameter settings for the report script. The default value is y.
Include CPU Utilization detail table?	Set to y to include data from the CPU Utilization detail table in the report. The default value is y.
Include CPU Utilization chart?	Set to y to include data from the CPU Utilization chart in the report. The default value is y.
Threshold on CPU Utilization chart?	Specify an integer to set a threshold for the CPU Utilization chart. Use -1 to ignore this threshold. The default value is 0.
Include Throughput detail table?	Set to y to include data from the Throughput detail table in the report. The default value is y.

Description	How to Set It
Include Throughput chart?	Set to y to include data from the Throughput chart in the report. The default value is y.
Threshold on Throughput chart	Specify an integer to set a threshold for the Throughput chart. Use -1 to ignore this threshold. The default value is 0.
Report settings	Use the following parameters to define the graphical presentation of data, the folder where the report is generated, and properties that identify the report.
Customize chart appearance	Click the **Browse (...)** button to open the Chart Settings window. Define the graphic properties of the charts in your report. The default value is Ribbon.
Select report location	Click the **Browse (...)** button to open the Publishing Options window. Define the report filename and specify a default folder this report. The default value is WebLogicSvrUnix_PerfSummary.
Add job ID to output folder name?	Set to y to append the job ID to the name of the output folder. This is helpful to make the correlation between a specific instance of a Report Script and the corresponding report. The default value is n.
Index-Report Title	Click in the Value column, and click the **Browse (...)** button to open the Report Properties window. Set the properties parameters as desired. The default title is WebLogicSvrUnix_Perf Summary.
Add time stamp to title?	Set to y to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. Adding a time stamp is useful in order to run consecutive iterations of the same report without overwriting previous output. The default value is n.
Event notification	Use the following parameters to raise events associated with generating the report, and to set severity levels for those events.
Generate event on success?	Set to y to raise an event when the report is successfully generated. The default value is y.
Severity level for report success	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35 (magenta level indicator).
Severity level for report with no data	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25 (blue level indicator).
Severity level for report failure.	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5 (red level indicator).

3.47 SecurityUserLockout

Use this Knowledge Script to monitor statistics on the number of users locked out because invalid usernames or passwords were supplied at login.

3.47.1 Resource Object

WebLogic Server

3.47.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.47.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
User lockouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of user lockouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when user lockouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Invalid logins threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of invalid logins since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when invalid logins exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Invalid logins while user locked out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of invalid logins while a user was locked out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when invalid logins while user locked out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
User unlocks threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a user was unlocked exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when user unlocks exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Locked users threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of locked users exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when locked users exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.48 ServerCPU

Use this Knowledge Script to monitor the utilization of a WebLogic Server. This script monitors the amount of CPU the server is consuming.

This script can be used to track how busy a server is at a given time.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.48.1 Resource Object

WebLogic Server

3.48.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.48.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
CPU usage threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the CPU utilization for the WebLogic Server exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when CPU usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.49 ServerHealthState

Use this Knowledge Script to monitor the health state of a WebLogic Server.

3.49.1 Resource Object

WebLogic Server

3.49.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.49.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Scale to 100?	Set to y to scale the values to 100. The default values range from 0-3, where 0 is OK, and 3 is FAIL. Setting to y will scale the values from 0-100, where 0 is FAIL and 100 is OK. The default value is n.
Event for health state of FAIL?	Set to y to raise an event if the health state is FAIL. The default value is y.
Event severity when health state is FAIL?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for health state of CRITICAL?	Set to y to raise an event if the health state is CRITICAL. The default value is y.
Event severity when health state is CRITICAL	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event for health state of WARNING?	Set to y to raise an event if the health state is WARNING. The default value is y.
Event severity when health state is WARNING	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event for health state of OK?	Set to y to raise an event if the health state is OK. The default value is n.
Event severity when health state is OK	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.50 ServerJVMHeap

Use this Knowledge Script to monitor the utilization of a WebLogic Server. This script monitors the percentage of a WebLogic server's JVM heap that is currently used. If this value is consistently near 100%, consider increasing the size of the WebLogic server's JVM heap.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.50.1 Resource Object

WebLogic Server

3.50.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.50.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Heap size threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current size of the heap in KB exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when heap size exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Free heap threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of KB available in the heap falls below this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when free heap falls below threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent heap used threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the percentage of the JVM Heap that is currently used exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent heap used exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.51 ServerRequests

Use this Knowledge Script to monitor the utilization and throughput of a WebLogic Server. This script monitors the server's Execute Queue.

This script can be used to track how busy a server is at a given time.

NOTE: If the number of requests waiting on the Execute Queue is 0, the value for the "Oldest request" on the queue is not returned and the threshold comparison is not performed.

3.51.1 Resource Object

WebLogic Server

3.51.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.51.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Throughput threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of requests the WebLogic Server has serviced since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when throughput exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Waiting requests threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of requests waiting on the Execute Queue exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when waiting requests exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Oldest request threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of seconds the oldest request has been on the Execute Queue exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when oldest request exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Idle threads threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of idle threads in the Execute Queue exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when idle threads exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent threads in use threshold	Specify a threshold value using an integer greater than or equal to –1 and less than or equal to 100. Use –1 to ignore this threshold. If the percent of threads in the Execute Queue exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent threads in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.52 ServerSecurity

Use this Knowledge Script to monitor statistics on the number of users locked out because invalid usernames or passwords were supplied at login.

3.52.1 Resource Object

WebLogic Server

3.52.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.52.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
User lockouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of user lockouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when user lockouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Invalid logins threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of invalid logins since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when invalid logins exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Invalid logins while user locked out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of invalid logins while a user was locked out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when invalid logins while user locked out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
User unlocks threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a user was unlocked exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when user unlocks exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Locked users threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of locked users exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when locked users exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.53 ServerSockets

Use this Knowledge Script to monitor the number of sockets a WebLogic Server has open.

This script can be used to track the number of server connections and how busy a WebLogic Server is.

3.53.1 Resource Object

WebLogic Server

3.53.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.53.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Sockets currently open threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of sockets currently open exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when sockets currently open exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Total sockets opened threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of sockets opened since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when total sockets opened exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.54 ServerState

Use this Knowledge Script to monitor the state of a WebLogic Server as reported by the WebLogic Server. If the state is anything other than `RUNNING`, the server might not be responding properly.

NOTE: This Knowledge Script supports WebLogic Server 12.2.x.

3.54.1 Resource Object

WebLogic Server

3.54.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.54.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Event for any state other than `RUNNING`?	Set to y to raise an event if the health state is not `RUNNING`. The default value is y.
Event severity when health state is not `RUNNING`?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for state of `RUNNING`?	Set to y to raise an event if the state is `RUNNING`. The default value is n.
Event severity when state is `RUNNING`	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.55 ServerUptime

Use this Knowledge Script to monitor how many hours a WebLogic Server has been running.

3.55.1 Resource Object

WebLogic Server

3.55.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.55.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Maximum server up time threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the overall average execution time (in seconds) of the servlet exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Event severity when server has restarted	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.56 ServletExecTime

Use this Knowledge Script to monitor the execution times and number of times that the servlets of a Web application were invoked. The short-term average is the average execution time since the last sample; the long-term average is the average execution time since the WebLogic server was started.

The overall average execution time of a servlet is calculated as the total time that the servlet has run since the WebLogic server was started, divided by the total number of times the servlet was invoked since the WebLogic server was started. This average will not tend to change very much if the WebLogic server has been running for a long time.

The short-term average execution time of a servlet is calculated as the time that the servlet has run since the last sample, divided by the number of times the servlets was invoked since the last sample. This average gives a better impression of how well the servlet has been performing since the last sample.

3.56.1 Resource Object

WebLogic Server

3.56.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.56.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Overall average threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the overall average execution time (in seconds) of the servlet exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when overall average exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Short term average threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the short-term average execution time (in seconds) of the servlet exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when short-term average exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Longest time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the longest execution time (in seconds) of the servlet exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when longest time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Shortest time threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the shortest execution time (in seconds) of the servlet exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when shortest time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Invocations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of invocations of the servlet since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when invocations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Reloads threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of reloads of the servlet since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when reloads exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.57 StartAdminServer

Use this Knowledge Script to start a WebLogic Server as the Administration Server for a domain.

3.57.1 Resource Object

WebLogic Server

3.57.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.57.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Event severity when script fails	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when server cannot be started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when server is started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Start Script	Enter the name (with the full path) of the script that you use to start an Administration Server. The default value is blank (no default). This is a mandatory field.
Start Script Parameters	Enter the parameters for the start script, if any.
Restart server if already running? (y/n)	Set to y to restart the server if it is already running. The default value is y.
Pass name of server, IP address, port, admin username and password to Start Script?	Set to y to pass these parameters to the Start Script. These parameters will be added to the end of the string supplied for Start Script. The default value is n.
Start time limit	Set to the number of seconds within which the WebLogic Server should complete initialization. The default value is 300.

3.58 StartServer

Use this Knowledge Script to start a managed WebLogic Server.

NOTE: StartServer Knowledge Script only works in development mode due to limitations with Oracle WebLogic server.

3.58.1 Resource Object

WebLogic Server

3.58.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.58.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Event severity when server cannot be started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when server is started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Start Script	Set to the name of the script that you use to start an Administration Server. The default value is blank (no default).
Start Script Parameters	Enter the parameters for the start script, if any.
Restart server if already running?	Set to y to restart the server if it is already running. The default value is y.
Pass name of server, IP address, port, admin username and password to Start Script?	Set to y to pass these parameters to the Start Script. These parameters will be added to the end of the string supplied for Start Script. The default value is n.
Start time limit	Set to the number of seconds within which the WebLogic Server should complete initialization. The default value is 300.

3.59 StartServerNodeMgr

Use this Knowledge Script to start WebLogic Server as a Managed Server using the Node Manager.

3.59.1 Resource Object

WebLogic Server

3.59.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.59.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Event severity when server cannot be started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.
Event severity when server is started	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Restart server if already running?	Set to y to restart the server if it is already running. The default value is y.

3.60 StatefulEJBCache

Use this Knowledge Script to monitor statistics for a Stateful EJB. This script reports caching statistics for a Stateful EJB.

This script can be used to determine a cache hit ratio and how frequently instances of the Stateful EJB are rendered active or passive. These values will help determine if the size of the cache is appropriate.

3.60.1 Resource Object

WebLogic Server

3.60.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.60.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current beans threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans currently in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current beans exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Cache accesses threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of cache accesses since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache accesses exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Cache hit ratio threshold	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the cache hit ratio (expressed as a percentage) since the last sample falls below this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache hit ratio falls below threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Activations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of activations since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when activations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Passivations threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of passivations since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when passivations exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Cache miss count threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the cache miss count since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when cache miss count exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.61 StatefulEJBTrans

Use this Knowledge Script to monitor Stateful EJBs. This script monitors the transaction rates for a Stateful EJB. Transactions are rolled back when timeouts or application, system, or resource errors occur. The JTATransRolledBack Knowledge Script provides a breakdown of the reasons for rollbacks.

3.61.1 Resource Object

WebLogic Server

3.61.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.61.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions timed out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions timed out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions timed out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.62 StatefulEJBWait

Use this Knowledge Script to monitor Stateful EJBs. This script monitors the number of times a request had to wait for an EJB and the number of times a request timed out waiting for an EJB. Increasing the cache size might help reduce the number of timeouts.

3.62.1 Resource Object

WebLogic Server

3.62.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.62.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Times waited threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that clients have waited for a bean exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when times waited exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.63 StatelessEJBError

Use this Knowledge Script to monitor errors generated by a Stateless EJB. This script reports error statistics for a Stateless EJB.

This script can be used to determine the number of times the Stateless EJB was destroyed due to an exception, and the number of failed attempts to retrieve an EJB from the pool. These values will help monitor the Stateless EJB if errors occur.

3.63.1 Resource Object

WebLogic Server

3.63.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.63.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Destroyed bean instances threshold	Specify a threshold value using an integer value greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that a bean instance was destroyed due to a thrown exception exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when destroyed bean instances exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Miss count threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of failed attempts to retrieve a bean from the free pool since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when miss count exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.64 StatelessEJBPool

Use this Knowledge Script to monitor for the number or percentage of in-use and idle beans in a Stateless EJB pool. These values will help determine if the size of the pool has been set properly.

3.64.1 Resource Object

WebLogic Server

3.64.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.64.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Beans idle threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans that are allocated but idle exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when beans idle exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Beans in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of beans in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when beans in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Percent of pool in use threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the percentage of beans in the pool that are in use exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when percent of pool in use exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.65 StatelessEJBTrans

Use this Knowledge Script to monitor Stateless EJBs. This script monitors the transaction rates for a Stateless EJB. Transactions are rolled back when timeouts or application, system or resource errors occur. The JTATransRolledBack Knowledge Script provides a breakdown of the reasons for rollbacks.

3.65.1 Resource Object

WebLogic Server

3.65.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.65.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions timed out threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions timed out since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions timed out exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.66 StatelessEJBWait

Use this Knowledge Script to monitor Stateless EJBs. This script monitors the number of times a request had to wait for an EJB and the number of times a request timed out waiting for an EJB. Increasing the cache size might help reduce the number of timeouts.

3.66.1 Resource Object

WebLogic Server

3.66.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.66.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Times waited threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of times since the last sample that clients have waited for a bean exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when times waited exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.67 StopServer

Use this Knowledge Script to shut down a WebLogic Server.

3.67.1 Resource Object

WebLogic Server

3.67.2 Default Schedule

The default interval for this Knowledge Script is Run once.

3.67.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Event severity when unable to stop server	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 10.

Description	How to Set It
Event severity when server is stopped	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.68 TransCateg

Use this Knowledge Script to monitor statistics for transaction categories. This script monitors the transactions that have completed on a WebLogic Server since the last sample on a per transaction category basis. Transactions are rolled back when timeouts or application, system or resource errors occur. The TransCategRollBacks Knowledge Script provides a breakdown of the reasons for rollbacks.

3.68.1 Resource Object

WebLogic Server

3.68.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.68.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions completed threshold	Specify a threshold value using an integer greater than or equal to -1. Use -1 to ignore this threshold. If the number of transactions completed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is -1.
Event severity when transactions completed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.

Description	How to Set It
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Average commit time threshold in secs	Specify a threshold value using a real number greater than or equal to –1. Use –1 to ignore this threshold. If the average commit time in seconds exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when average commit time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Heuristic completes threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of heuristic completes since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when heuristic completes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions abandoned threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions abandoned since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions abandoned exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.69 TransCategRollBacks

Use this Knowledge Script to monitor the reasons why transactions were rolled back. This script reports this information on a per transaction category basis.

3.69.1 Resource Object

WebLogic Server

3.69.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.69.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.

Description	How to Set It
Timeouts threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to timeouts since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when timeouts exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Resource errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to resource errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when resource errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Application errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to application errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when application errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
System errors threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of rollbacks due to system errors since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when system errors exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.70 TransResHealthState

Use this Knowledge Script to monitor the health state of the transactional resources of a WebLogic Server.

3.70.1 Resource Object

WebLogic Server

3.70.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.70.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Scale to 100?	Set to y to scale the values to 100. The default values range from 0-3, where 0 is OK, and 3 is FAIL. Setting to y will scale the values from 0-100, where 0 is FAIL and 100 is OK. The default value is n.
Event for health state of FAIL?	Set to y to raise an event if the health state is FAIL. The default value is y.
Event severity when health state is FAIL?	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 5.
Event for health state of CRITICAL?	Set to y to raise an event if the health state is CRITICAL. The default value is y.
Event severity when health state is CRITICAL	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 15.
Event for health state of WARNING?	Set to y to raise an event if the health state is WARNING. The default value is y.
Event severity when health state is WARNING	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Event for health state of OK?	Set to y to raise an event if the health state is OK. The default value is n.
Event severity when health state is OK	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 35.

3.71 TransResHeuristics

Use this Knowledge Script to monitor the reasons why transactions for transactional resources completed with an heuristic status. This script monitors the transactions that completed with a heuristic status for each of a WebLogic server's transactional resources. Transactions are rolled back when timeouts or application, system or resource errors occur.

3.71.1 Resource Object

WebLogic Server

3.71.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.71.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Commits threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of heuristic commits since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when commits exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Rollbacks threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of heuristic rollbacks the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when rollbacks exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Mixed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of mixed heuristics since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when mixed heuristics exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Hazards threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of heuristic hazards since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when hazards exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.72 TransResources

Use this Knowledge Script to monitor statistics for transactional resources. This script monitors the transactions that have completed on a WebLogic server since the last sample on a per transactional resource basis. Transactions are rolled back when timeouts or application, system or resource errors occur.

3.72.1 Resource Object

WebLogic Server

3.72.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.72.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Transactions completed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions completed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions completed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions committed threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions committed since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when transactions committed exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Transactions rolled back threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of transactions rolled back since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when transactions rolled back exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Heuristic completes threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of heuristic completes since the last sample exceeds this threshold, this Knowledge Script raises an event. The default value is –1.

Description	How to Set It
Event severity when heuristic completes exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

3.73 WebAppSessions

Use this Knowledge Script to monitor Web applications. This script monitors the current number of sessions of a Web application and the number of sessions that have been run since the last sample.

3.73.1 Resource Object

WebLogic Server

3.73.2 Default Schedule

The default interval for this Knowledge Script is Every 15 minutes.

3.73.3 Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
Event?	Set to y to raise events. The default value is y.
Collect data?	Set to y to collect data for reports and graphs. The default value is n.
Current sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the current number of sessions of the Web Application exceeds the threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when current sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.
Peak sessions threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the peak number of concurrent sessions of the Web Application exceeds the threshold, this Knowledge Script raises an event. The default value is –1.
Event severity when peak sessions exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.

Description	How to Set It
Sessions run threshold	Specify a threshold value using an integer greater than or equal to –1. Use –1 to ignore this threshold. If the number of sessions of the Web Application run since the last sample exceeds the threshold, this Knowledge Script raises an event. The default value is 0.
Event severity when sessions run exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of the event. The default value is 25.