



NetIQ Security Solutions for IBM i
TG Product Suite Release 1.7
Installation and Configuration Guide

Revised February 2018

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1. Installation and Configuration Introduction

This guide provides installation and configuration instructions for the complete suite of TG products (i.e., TGAudit, TGSecure, etc.) and the web application (TGCentral) used to manage TG products from a central location.

Installation

Use this guide to do the following:

- Install TG products onto an [agent](#) ([IBM i server](#)) machine
- Install TGCentral onto a host (web server)--either a [Windows](#) or [Linux](#) machine

Configuration

Use this guide to do the following:

- [Configure TG products installed on an agent](#)
- [Configure TGCentral installed on a web server](#)

2. Agent

2.1. IBM i

2.1.1. IBM® i OS Instructions

Use this section to do the following:

- [Check the IBM i OS requirements](#)
- [Install TG products on an agent](#)
- [Uninstall TG products from an agent](#)
- [Upgrade TG products on an agent](#)

2.1.2. IBM® i OS Requirements

TG products are supported on the following IBM i OS versions:

- V5R4
- V6R1
- V7R1
- V7R2
- V7R3

Important: This product does not support the emulator (workstation) display size of 24x80. You must change the display to size to 27x132. If you do not change the display size, you will receive the error message **CPF4169**.

See also: [Change Emulator Display Size](#)

2.1.3. Install TG Products on IBM i Series Server

Use this task to install the available TG products on an IBM i Series server. This task describes the following:

Step 1: [Extract the compressed installation files](#)

Step 2: [Locate the installation program](#)

Step 3: [Log into the FTP IBM i Sever](#)

Step 4: [Transfer and run installation program](#)

2.1.3.1. Extract Installation Files

To extract the installation files

- 1) Locate the **TGINSTALL.zip**.
- 2) Save the zip file to the desired location on the server.
- 3) extract the files.

2.1.3.2. Locate the Installation Program

To Locate the SVF file

- 1) Access the unzipped installation files.
- 2) Locate the **tginstall.svf** file.

2.1.3.3. Log into FTP IBM i Server

To log into the FTP IBM i server

- 1) At a Windows command prompt, enter the following:
FTP <IBM i system name>
- 2) Press **ENTER**.

2.1.3.4. Transfer and Run Installation Program

To FTP the files and run the installation program

At the FTP prompt, execute the following commands:

Command	Value
Change transfer mode to binary	BIN
Create save file on IBM i server	QUOTE RCMD CRTSAVF QGPL/TGINSTALL
Transfer tginstall.svf to IBM i server	PUT c:\<path to>\tginstall.svf QGPL/TGINSTALL
Restore TGINSTALL library	QUOTE RCMD RSTLIB TGINSTALL DEV(*SAVF) SAVF(QGPL/TGINSTALL) MBROPT(*ALL) ALWOBJDIF(*ALL)
Run installer	QUOTE RCMD TGINSTALL/TGINSTALL PROD(*TGAUDIT) INSTYPE(*INSTALL) EULA(*ACCEPT) BATCH(*NO)

See also:

[TGMenu Configuration](#)

2.1.4. Uninstall TG Products from IBM i Series Server

Use this task to uninstall TG products from your IBM i Series server. This task describes the following:

Step 1: [Log into the IBM i Server](#)

Step 2: [Remove the TG product files](#)

Step 3: [Delete the TGINSTALL library](#)

Step 4: [Delete the TGOWNER object](#)

Step 5: [Delete the TGAUTL object](#)

2.1.4.1. Log into the IBM i Server

To access the IBM i Main Menu

- Sign into your IBM i server.

2.1.4.2. Remove the TG Product Files

To remove the TG product files

- 1) At the **Selection or command** prompt, enter **TGINSTALL/TGINSTALL PROD(*TGAUDIT) INSTYPE(*REMOVE)**.
- 2) Press **Enter**.

Note: If you have multiple products installed, run this command for each product (i.e., TGAudit, TGSecure, etc.)

```
MAIN                                IBM i Main Menu

Select one of the following:

  1. User tasks
  2. Office tasks
  3. General system tasks
  4. Files, libraries, and folders
  5. Programming
  6. Communications
  7. Define or change the system
  8. Problem handling
  9. Display a menu
 10. Information Assistant options
 11. IBM i Access tasks

 90. Sign off

Selection or command
==> TGINSTALL/TGINSTALL PROD(*TGAUDIT) INSTYPE(*REMOVE)
```

2.1.4.3. Delete the TGINSTALL Library

To delete the TGINSTALL library

- 1) At the **Selection or command** prompt, enter **DLTLIB LIB(TGINSTALL)**.
- 2) Press **Enter**.

2.1.4.4. Delete the TGOWNER Object

To delete the TGOWNER object

- 1) At the **Selection or command** prompt, enter **DLTUSRPRF USRPRF(TGOWNER)**.
- 2) Press **Enter**.

2.1.4.5. Delete the TGAUTL Object

To delete the TGAUTL object

- 1) At the **Selection or command** prompt, enter **DLTAUTL AUTL(TGAUTL)**.
- 2) Press **Enter**.

2.1.5. Upgrade TG Products on IBM i Series Server

Use this task to upgrade the available TG products on an IBM i Series server. This task describes the following:

Step 1: [Extract the compressed installation files](#)

Step 2: [Locate the installation program](#)

Step 3: [Log into the FTP IBM i Sever](#)

Step 4: [Transfer the installation program](#)

Step 5: [Restore the install library](#)

Step 6: [Run the upgrade command](#)

2.1.5.1. Extract Installation Files

To extract the installation files

- 1) Locate the **tginstall.zip**.
- 2) Save the zip file to the desired location on the server.
- 3) extract the files.

2.1.5.2. Locate SVF File

To locate the SVF file

- 1) Access the unzipped installation files.
- 2) Locate the **tginstall.svf** file.

2.1.5.3. Log into FTP IBM i Server

To log into the FTP IBM i server

- 1) At a Windows command prompt, enter the following:

FTP <IBM i system name>

- 2) Press **ENTER**.

2.1.5.4. Transfer Installation Program

To transfer the installation file

At the FTP prompt, execute the following commands:

Command	Value
Change transfer mode to binary	BIN
Delete old save file on IBM i server	QUOTE RCMD DLTOBJ OBJ(QGPL/TGINSTALL) OBJTYPE(*FILE)
Create new save file on IBM i server	QUOTE RCMD CRTSAVF QGPL/TGINSTALL

Command	Value
Transfer tgininstall.svf to IBM i server	PUT c:\<path to>\tgininstall.svf QGPL/TGINSTALL

2.1.5.5. Restore Installation Library

To restore the installation library

At the FTP prompt, execute the following commands:

Command	Value
Restore TGINSTALL library	QUOTE RCMD RSTLIB TGINSTALL DEV(*SAVF) SAVF(QGPL/TGINSTALL) MBROPT(*ALL) ALWOBJ JDI(*ALL)

2.1.5.6. Run Upgrade Command

To run the upgrade command

- 1) Sign into your IBM i server.
- 2) At the **Selection or command** prompt, enter **TGINSTALL/TGINSTALL INSTYPE(*UPGRADE) EULA(*ACCEPT) BATCH(*NO)**.
- 3) Press **Enter**.

```

MAIN                                IBM i Main Menu                                System
Select one of the following:

  1. User tasks
  2. Office tasks
  3. General system tasks
  4. Files, libraries, and folders
  5. Programming
  6. Communications
  7. Define or change the system
  8. Problem handling
  9. Display a menu
 10. Information Assistant options
 11. IBM i Access tasks

 90. Sign off

Selection or command
==> TGINSTALL/TGINSTALL INSTYPE(*UPGRADE) EULA(*ACCEPT) BATCH(*NO)

```

See also:

[TGMenu Configuration](#)

2.2. Agent Configuration

2.2.1. Configure TGMenu

Use this task to configure the TGMenu (which provides access to TGAudit and TGSecure). This task describes the following:

- Step 1: [Log into the IBM i Main Menu](#)
Step 2: [Add License Key](#)
Step 3: [Add Authorized Users](#)
Step 4: [Configure NetServer](#)
Step 5: [Change Emulator Display Size](#)
Step 6: [Enable Report Filter Modifications](#)

2.2.2. Configure TGMMenu

Use this task to configure the TGMMenu (which provides access to TGAudit and TGSecure). This task describes the following:

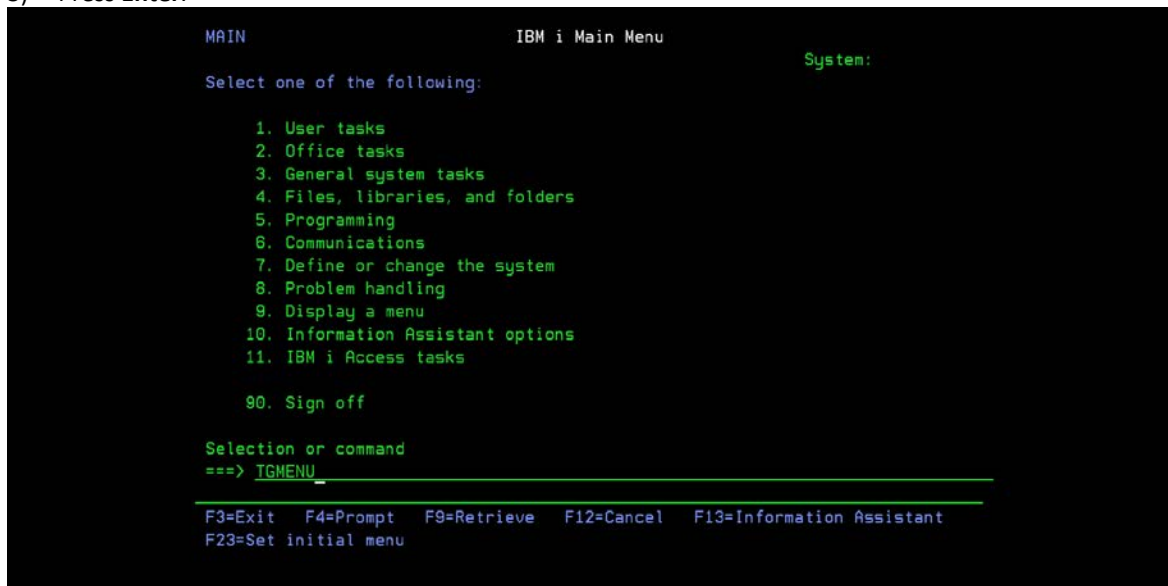
- Step 1: [Log into the IBM i Main Menu](#)
Step 2: [Add License Key](#)
Step 3: [Add Authorized Users](#)
Step 4: [Configure NetServer](#)
Step 5: [Change Emulator Display Size](#)
Step 6: [Enable Report Filter Modifications](#)

2.2.3. Step 1 - Log In

Use this task to log in from the **TG - Main** menu.

To access the TG Main menu

- 1) Sign into your IBM i server.
- 2) At the **Selection or command** prompt, enter **TGMENU**.
- 3) Press **Enter**.



```
MAIN                                IBM i Main Menu                                System:
Select one of the following:

    1. User tasks
    2. Office tasks
    3. General system tasks
    4. Files, libraries, and folders
    5. Programming
    6. Communications
    7. Define or change the system
    8. Problem handling
    9. Display a menu
   10. Information Assistant options
   11. IBM i Access tasks

    90. Sign off

Selection or command
==> TGMENU_

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F23=Set initial menu
```

Note: The **TG Main** menu is displayed.

2.2.4. Step 2 - Add License Key

Use this task to do the following:

- [Obtain license key](#)

- [Add license key](#)

To use the product, you must have a valid license key. If a valid license key is not present, a message appears in the **System Operator** (QSYSOPR) message queue.

Note: A 14-day trial license is provided at the time of installation, so you can immediately begin using the product, but if you purchased a license, add it immediately to avoid any issues.

2.2.4.1. Obtain License Key

To obtain a license key

- 1) Access the customer portal at www.trinityguard.com.
- 2) Create a ticket requesting a license key.

2.2.4.2. Add License Key

To add a license key

- 1) Access the **TG Main** menu.
- 2) At the **Selection or command** prompt, enter **80** (Licensing Status).
- 4) Press **Enter**.
- 5) Press the **F6** (Add Key) function key.
- 6) Enter the license key.
- 7) Press **Enter**.

2.2.5. Step 3 - Add Authorizing Users

Use this task to do the following:

- [Display list of authorized users](#)
- [Add authorized user](#)

Important: To use the product, the administrator must grant you access.

Tip: If you are the administrator, don't forget to add yourself.

During installation, the following users are automatically authorized to use the product:

- QSECOFR
- The user profile that installed the product

2.2.5.1. Display Authorized Users

Use this task to display the list of current authorized users.

To display authorized users

- 1) Access the **TG Main** menu.
- 2) At the **Selection or command** prompt, enter **70** (Work with TG Product Users).
- 3) Press **Enter**.

Note: The **Edit Authorization List** interface displays.

2.2.5.2. Add Authorized Users

Use this task to add an authorized user.

To add authorized users

- 1) Access the **Edit Authorization List** interface.
- 2) Press the **F6** (Add new users) function key.
- 2) In the **User** column, enter the user profile of the user you want to add.
- 3) In the **Object Authority** column, enter ***ALL**.
- 4) Press **Enter** twice.

2.2.6. Step 4 - Configure NetServer to Enable Report Viewing

Use this task to configure a share drive on the NetServe. This allows the system to save and immediately display reports generated in HTML, XML, or CSV formats on your screen.

- [Enable additional report outputs \(XML, HTML, CSV\)](#)
- [Create share folder](#)
- [Restrict permission to share folder](#)
- [Add IBM i Server to host table](#)
- [Map network drive to share folder](#)

Important: Because this share folder stores report outputs, it is important to ensure permissions to the folder are restricted to only those individuals with appropriate job-related responsibilities.

2.2.6.1. Enable Additional Report Outputs

Use this task to enable the displaying of XML, HTML, and CSV formats of reports.

To enable displaying of report outputs

- 1) Start NetServer.
- 2) At an i5/OS command, enter the following:
STRTCPSVR SERVER(*NETSVR)
- 3) Click **Enter**.

2.2.6.2. Create Share Folder

Use this task to create the share drive on which reports are to be saved.

To create a share folder on which to save the report outputs

- 1) Create a NetServer file share called **TrinityGuard**:
System i Navigator → [Your Connection] → **Network** → **Servers** → **TCP/IP**

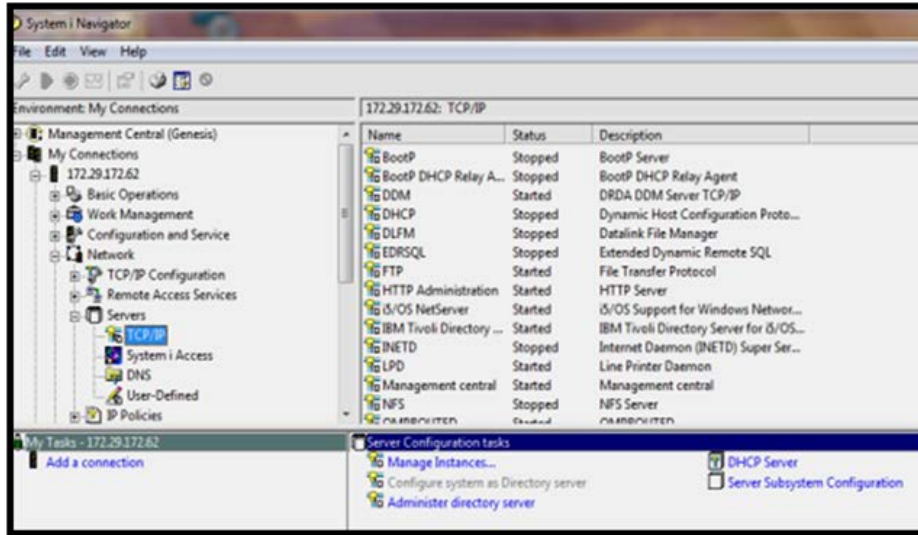


Figure: System i Navigator

- 2) Right-click **i5/OS NetServer** and select **Open**.
- 3) Right-click **Shared Objects**, and select **New → File**.

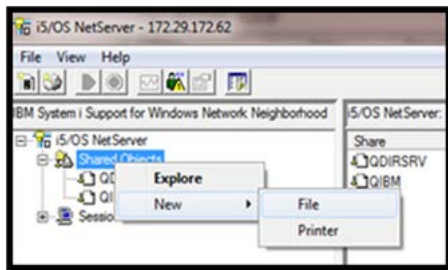


Figure: i5/OS NetServer

- 4) On the **General** tab, assign the new share the following attributes:
 - Name: **TrinityGuard**
 - Description
 - Access level
 - Maximum number of users
 - Path name: **/TrinityGuard**
- 5) Click **OK**.

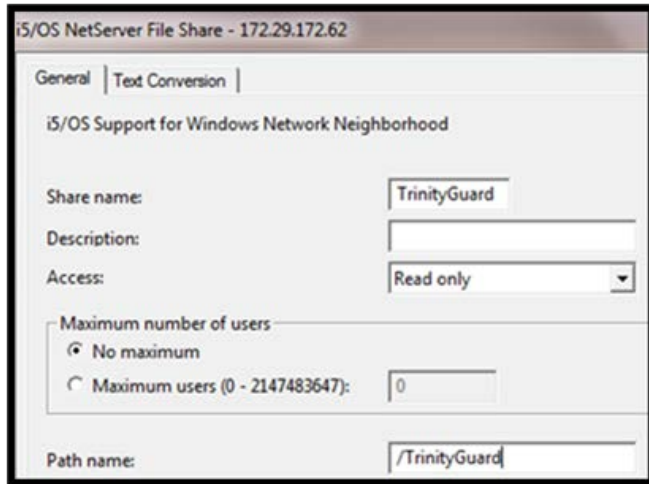


Figure: i5/OS NetServer File Share

2.2.6.3. Restrict Permission to Share Folder

To restrict permission to the share folder

- 1) Right click on the **TRINITYGUARD** share, and select **Permissions**.

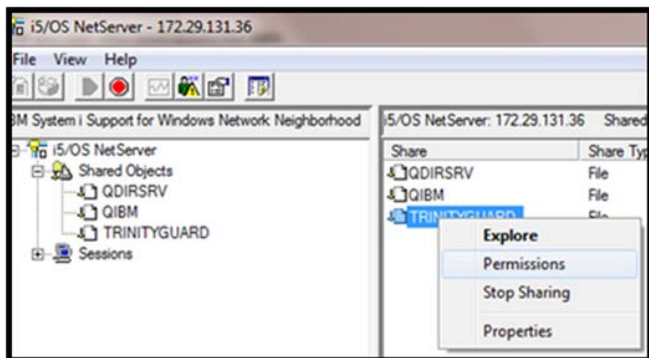


Figure: i5/OS NetServer

- 2) Click on the **Add** button:
- 3) Enter the profile name for the user you want to add.



Figure: Trinityguard – Add Users and Groups

- 4) Click **OK**.
- 5) Select the desired permissions levels.

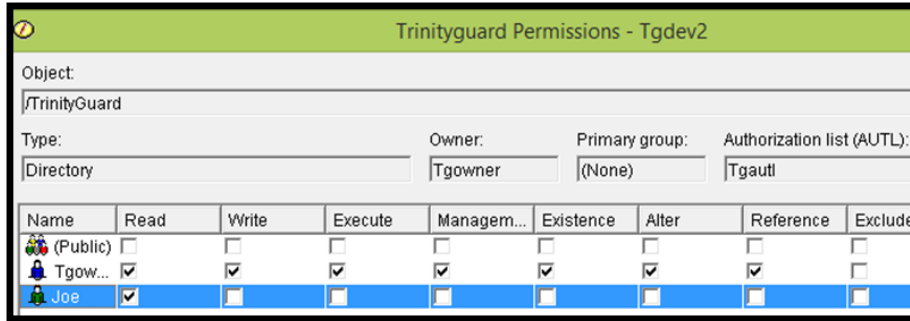


Figure: Trinityguard Permissions

6) Click **OK**.

Tip: By default, when a user is authorized to use the product through the green screen menu, they inherit permissions to this folder through the product authorization list.

2.2.6.4. Add IBM i Server to Host Table

To add IBM i server to the host table

Update the hosts table on your PC to include the IBM i server IP address and server name.

- 1) Open a text editor.
- 2) Edit the file C:\Windows\System32\drivers\etc\hosts:

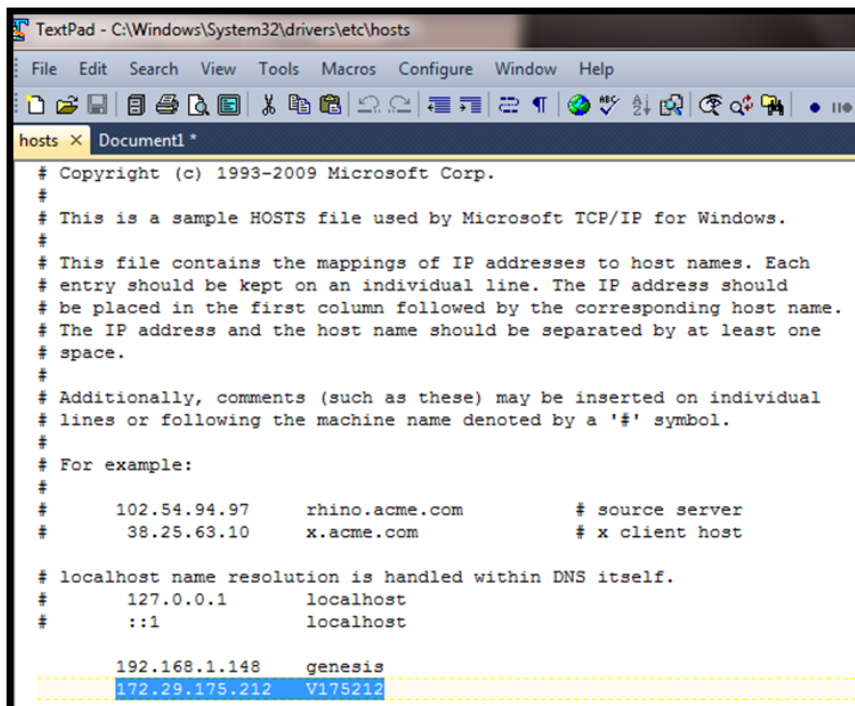


Figure: Host File

2.2.6.5. Map Network Drive to Share Folder

To map a network drive to the share folder

Note: The specific steps for this task will vary based on your operating system, so use these instructions as a guide, not as an absolute.

- 1) Open **My Computer**.
- 2) Click on **Map network drive**.

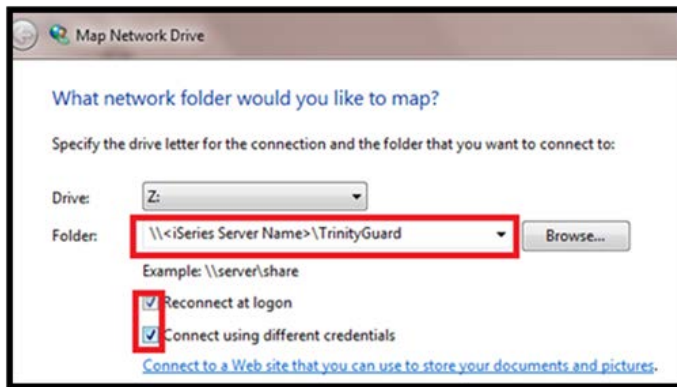


Figure: My Computer

- 3) Select a drive letter.
- 4) Enter the path to the **TrinityGuard** share folder.

Important: Use the IBM i system name, not the IP address.

- 5) Select that the following options:
 - **Reconnect at logon**
 - **Connect using different credentials**



Figure: Map Network Drive

- 6) Click the **Finish** button.
- 7) Enter your i5/OS user profile and password.
- 8) Select the **Remember my credentials** option.
- 9) Click **OK**.



Figure: Windows Security

Alternatively, you can map the network drive from a Windows command prompt by using the following command:
NET USE * \\<IBM i Server Name>\TrinityGuard /USER:IBM i-username IBM i-password

2.2.7. Step 5 - Change Emulator Display Size

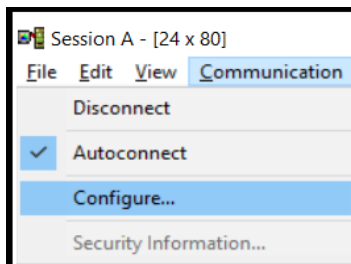
Use this task to change the emulator (workstation) display size to 27x132.

Important: This product does not support the emulator (workstation) display size of 24x80.

If you are not using the display size of 27x132, you will receive the error message **CPF4169**.

To change the emulator display size

- 1) Access the **TG Main** menu.
- 2) From the IBM i session menu, click **Communication > Configure**.



- 3) In the **Type of emulation** group box, change **Size** to **27x132**.
- 4) Click **OK**.

2.2.8. Step 6 - Enabling Report Filter Modifications

Use this task to set the LMTCPM (Limited Capabilities) attribute to ***NO**.

Important: If this attribute is set to ***YES**, the user will have limited editing capabilities that might impact filtering.

To set the LMTCPM attribute to *NO

- 1) Access the **IBM i Main** menu.
- 2) At the **Selection or command** prompt, enter **3** (General system task)
- 3) Press **Enter**.
- 4) At the **Selection or command** prompt, enter **10** (Security)
- 5) Press **Enter**.
- 6) At the **Selection or command** prompt, enter **6** (Work with user profiles)

- 7) Press **Enter**.
- 8) In the **User profile** field, enter the desired user ID.
- 9) Press **Enter**.
- 10) In the **OPT** column beside the user ID, enter **2** (Change).
- 11) Press **Enter**.

Note: The **Change User Profile** interface is displayed.

Alternatively, use the **CHGUSRPRF** command to access this interface.

- 12) In the **Limit capabilities** field, enter ***NO**.
- 13) Press **Enter**.

3. Central

3.1. Windows

3.1.1. Windows® OS Instructions

Use this section to do the following:

- [Check the Window OS requirements](#)
- [Install TGCentral on a Windows machine](#)
- [Uninstall TGCentral on a Windows machine](#)
- [Upgrade TGCentral on a Windows machine](#)

3.1.2. Windows® OS Requirements

TGCentral is supported on the following Windows OS versions (64 bits):

- Windows 7
- Windows 8
- Windows 10
- Windows Server 2008
- Windows Server 2012
- Windows Server 2016

Prerequisites:

- Google Chrome (latest version)

Note: PostgreSQL (database) is not a prerequisite, but be aware that it is required (will be installed) as part of the TGCentral installation.

3.1.3. Windows Install

3.1.3.1. Install TGCentral on Windows Server

Use this task to install TG Central on a Windows server. This task describes the following:

Step 1: [Upload the compressed installation file to the Windows server](#)

Step 2: [Run the Installation Program](#)

3.1.3.1.1. Upload Compressed Installation File to Server

To upload the compressed installation file to server

- 1) Locate the **tgcentral-xxx.exe**.
- 2) Use whatever method or tool you have available to upload the file to the Windows server.

3.1.3.1.2. Run the Installation Program

Use this task to run the installation program.

Tip: Installation of PostgreSQL is performed in the default port: 5432. Ensure this port is available. Also, make note that TGCentral is installed as a service.

To run the installation program

- 1) Navigate to the location of the extracted installation files.
- 2) Right-click on the **tgcentral-xxx.exe** program.
- 3) Select **Run as Administrator**.
- 4) Follow the instructions provided in the wizard.

Note: On completion of the installation, you will receive a notification. The notification displays the URL from which you need to complete the product configuration. You can also enter the URL manually into your browser (<http://<ip address>:10000>).

Tip: If you are given the option to select a browser, select Chrome. Chrome is required for the product configuration.

See also:

[TGCentral Configuration](#)

3.1.4. Uninstall TGCentral from Windows Server

Use this task to uninstall TGCentral from a Windows Server.

To uninstall TGCentral

- 1) Access the location of the TGCentral program files.
- Note:** Unless the default path was changed at the time of installation, the files are commonly installed at `c:\program files(x86)\TGCentral`.
- 2) Right-click on the **tgcentral-uninstall.xxx.exe** program (where xxx is the version number).
 - 3) Select **Run as Administrator**.
 - 3) Follow the instructions provided in the wizard.

Tip: You can also use the uninstall feature available through the Windows menu or the **Control Panel**.

Note: As part of the uninstall process, the TGCentral database is delete, but PostgreSQL is not removed.

3.1.5. Upgrade TGCentral from Windows Server

Use this task to upgrade TGCentral from a Windows Server.

Follow the [Windows installation instructions](#). The installer detects the previous version and proceeds to make the necessary updates.

See also:

[TGCentral Configuration](#)

3.2. Linux

3.2.1. Linux® OS Instructions

Use this section to do the following:

- [Check the Linux OS requirements](#)
- [Install TGCentral on a Linux machine](#)
- [Uninstall TGCentral on a Linux machine](#)
- [Upgrade TGCentral on a Linux machine](#)

3.2.2. Linux® Requirements

TG products are supported on the following Linux versions:

- RedHat/CentOS 6/7
- Ubuntu 12.04/14.04/16.04
- Debian 7/8
- SUSE 11/12

Prerequisites:

- PostgreSQL
- Google Chrome (latest version)

3.2.3. Install TGCentral on Linux Server

Use this task to install the TGCentral on a Linux server. This task describes the following:

Step 1: Upload the compressed installation file to the Linux server

Step 2: Extract the compressed installation files

Step 3: Locate and run the installation script

3.2.3.1. Step 1 - Upload Compressed Installation File to Server

To upload the compressed installation file to server

- 1) Locate the **tgcentral-xxx.tar.gz** file (where xxx is the version number).
- 2) Use whatever method or tool you have available to upload the file to the Linux server.

3.2.3.2. Step 2 - Extract the Compressed Installation Files

To extract the installation files

- 1) Navigate to the location of the **tgcentral-xxx.tar.gz** file.
- 2) Use the **tar** (tap archive) command to extract the compressed files.
At the command prompt, enter **tar - xzvf tgcentral-xxx.tar.gz**.

3.2.3.3. Step 3 - Locate the Installer Script

To run the installation program

- 1) Navigate to the location of the extracted installation files.
At the command prompt, enter **cd tgcentral-xxx**.
- 2) Use the **sudo** (superuser do) command to run the **install.sh** file.
At the command prompt, enter **sudo sh install.sh**.

Note: On completion of the installation, you will receive a notification. The notification will display the URL from which you will need to complete the product configuration. You can also enter the URL manually into your browser (http://<ip address>:10000).

See also:

[TGCentral Configuration](#)

3.2.4. Uninstall TGCentral from Linux Server

Use this task to uninstall TGCentral from a Linux Server.

To uninstall TGCentral

- 1) Navigate to the location on the server where the installation files are stored.
At the command prompt, enter **cd tgcentral.xxx** (where xxx is the version number).
- 2) Use the **sudo** (superuser do) command to run the **uninstall.sh** file.
At the command prompt, enter **sudo sh uninstall.sh**.

3.2.5. Upgrade TGCentral from Linux Server

Use this task to install the TGCentral on a Linux server. This task describes the following:

Follow the [Linux installation instructions](#). The installer detects the previous version and proceeds to make the necessary updates.

See also:

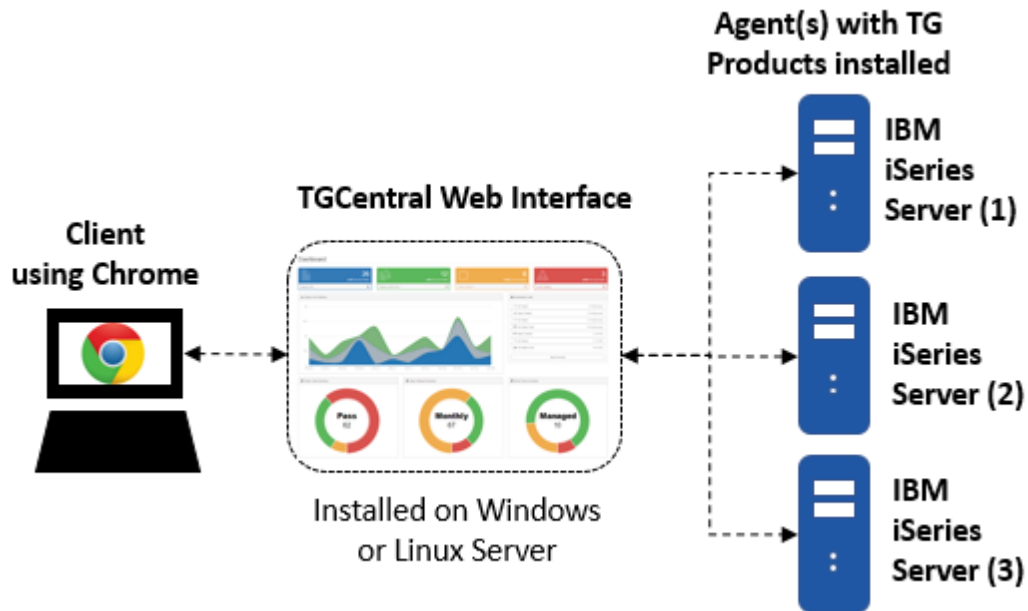
[TGCentral Configuration](#)

3.3. TGCentral Configuration

3.3.1. Configure TGCentral

Use this task to configure TGCentral after installation on either a Windows or Linux server.

The configuration process involves modifications to the [agent](#) (IBM i server) as well as to TGCentral (web interface).



TGCentral Configuration

- Step 1: [Access TGCentral IP address](#)
- Step 2: [Link TGCentral to PostgreSQL Database](#)
- Step 3: [Create TGCentral administrator login](#)
- Step 4: [Set TGCentral website security parameters](#)
- Step 5: [Review TGCentral configuration details](#)

Agent Configuration

- Step 1: [Display agent details](#)
- Step 2: [Set agent status to active](#)
- Step 3: [Resolve agent pre-requisite issues](#)
- Step 4: [Inform agent of TGCentral IP address](#)

3.3.1.1. Access TGCentral IP Address

Use this task to access TGCentral.

Tip: Use Chrome as your browser to configuration TGCentral.

To access the TGCentral IP Address

- 1) Launch Chrome.
- 2) Enter IP address at which TGCentral is installed in the address bar (e.g., <http://<ip address>:10000>).

3.3.1.2. Link TGCentral to PostgreSQL Database

Use this task to link to the product database.

Note: To use the product, you must have an existing PostgreSQL database installed and running.

To link to the PostgreSQL database

- 1) Using the **Database** tab, enter the location of the PostgreSQL database.

Tip: If the database resides on the same host, enter localhost.

- 2) Enter new database password.
- 3) Confirm Database password.
- 4) Click **Next**.

3.3.1.3. Create TGCentral Administrator Login

Use this task to create an admin login. The system automatically adds the admin (who has the highest level of permissions) as the first user. It is then the responsibility of the admin to add additional users as necessary.

To create an admin login

- 1) From the **Configuration** tab, complete the required fields.
 - Email
 - Username
 - Full name
 - Password
 - Confirm password
- 2) Click **Next**.

3.3.1.4. Set TGCentral Security Parameters

Use this task to set ports and SSL (Secure Socket Layer) secure connection parameters.

To link to the PostgreSQL database

- 1) Using the **Parameters** tab, enter the appropriate ports and SSL certificate keys.

Note: You can access the keys in the compressed installation file.

- 2) Click **Next**.

3.3.1.5. Review TGCentral Configuration Details

Use this task verify the configuration settings before launching the product.

To review the configuration settings

- 1) Using the **Overview** tab, review the configuration details.

Tip: If you need to make modifications, click the **Previous** button.
- 2) Click **Save Configuration**.

3.3.1.6. Display Agent Details

Use this task to display the status of the [agent](#).

To display agent details

- 1) Sign into IBM i.
- 2) At the **Selection or command** prompt, enter **TGMENU** to access the **TG Main** menu.
- 3) At the **Selection or command** prompt, enter **10** (TGCentral Configuration).

Note: The **TGCentral Configuration** interface is displayed.

- 4) Review the agent installation and configuration details.

Field	Description
Agent Subsystem Status	Status of the TGCentral communication subsystem TGCMN (in library TGPROD) necessary for TGCentral to communicate with the IBM i agent: *ACTIVE - Communication subsystem is active *INACTIVE - Communication subsystem is inactive
Pre-requisite Software Installed	Status of the pre-requisite software necessary for TGCentral to communicate with the IBM i agent: *NO - pre-requisite software not installed *YES - pre-requisite software installed
Pre-requisite modules Installed	Status of the pre-requisite modules necessary for TGCentral to communicate with the IBM i agent: *NO - pre-requisite modules not installed *YES -pre-requisite modules installed
TGCentral IP Address	IP address of the TGCentral server communicating with the IBM i agent
TGCentral Server Name	Name of the TGCentral server communicating with the IBM i agent
Communication Port	Port used by the TGCentral server to communicate with the IBM i agent
SSL Enabled	TRUE - SSL is enabled FALSE - SSL is disabled
Log Status	Identifies the level of detail used to create the log: CRITICAL - Log only critical errs ERROR - Log all errors WARNING - log warning and errs INFO - log info, warning, and errs DEBUG - log everything (Note: This level of detail will take the most system resources to generate.) Tip: The log file is stored at TrinityGuard/Agent directory.

3.3.1.7. Set Agent Status to Active

Use this task to set the status of the agent to ***ACTIVE**. Only active agents are detected (seen) by TGCentral. An agent must be active for you to begin managing it using TGCentral.

To set agent status to active:

- 1) Access the **TGCentral Configuration** interface.
- 2) In the **Agent Subsystem Status** field, set the status to ***ACTIVE**.

- 3) Press the **F24** (Update Config) function key.

3.3.1.8. Resolve Agent Pre-requisite Issues

Use this task to identify issues with pre-requisites (i.e., software and modules). This step is only necessary if pre-requisites are missing (Status = ***NO.**)

To identify missing pre-requisites:

- 1) Access the **TGCentral Configuration** interface.
- 2) Press the **F20** (Pre-requisite Status) function key.

Note: The **TGCentral Pre-requisite Status** interface is displayed.

- 3) Do the following as necessary for your specific installation case:

If	Then
Your installation is missing pre-requisite module(s)	Press the F20 (Install Pre-requisite Modules) function key.
Your installation is missing XML Service(s)	Press the F21 (Install Pre-requisite Modules) function key.
Your installation is missing pre-requisite software	Press the F22 (Install Pre-requisite Software) function key.

- 4) Follow the instructions provided on each screen.

3.3.1.9. Inform Agent of TGCentral IP Address

Use this task to inform the Agent of the TGCentral IP address. Once you established this connection, the agent can begin communicating with TGCentral.

To enter the TGCentral IP Address:

- 1) Access the **TGCentral Configuration** interface.
- 2) In the **TGCentral IP Address** field, enter the IP address at which TGCentral Web interface is currently installed.

4. Appendix

4.1. Libraries and Commands

The following libraries are installed:

- TGPROD
- TGDATA
- TGINSTALL
- TGBACKUP - Created at time of upgrade

The commands are installed in the QGPL library:

- TGMENU – TGAudit Main Menu
- TGRPT – Run a Report
- TGCARD – Run Report Card
- TGWRKRPT – Work with Reports
- TGWRKCARD – Work with Report Cards
- TGLICSTS – Work with Licensing Status

5. Glossary

5.1. Agent

An agent is any IBM iSeries server on which TG products (e.g., TGAudit, TGSecure, etc.) are installed.



5.2. Managed Server

A managed server is an [agent](#) that is currently communicating (sharing information) with TGCentral. Therefore, the two systems are in sync.

5.3. Unmanaged Server

A unmanaged server is an [agent](#) that is not communicating (sharing information) with TGCentral. Therefore, the two systems are not in sync.