

PlateSpin Forge 11.3 Resolved Issues

April 2018



PlateSpin Forge 11.3 resolves several software defects for PlateSpin Forge 11.2 that were previous known issues or were reported by customers and partners.

1 Resolved Known Issues

This section describes previous known issues that were resolved in this release. See also [“Resolved Issues List”](#).

1.1 Windows Dynamic Disks: Npart Error Code 28 msg=Device <Name> Does Not Have Enough Free Space (No Space Left on Device)

Issue: A source Windows workload has a Simple Dynamic Volume or a Spanned Dynamic Volume. The member partitions for the Windows Dynamic Disk are initialized as MBR, but the total volume size exceeds 2 TB. A disk error occurs when the volume is created on the target workload as Simple Basic Volume disk with MBR partitioning. (Bug 1046179)

Fix: For a Simple Dynamic Volume or a Spanned Dynamic Volume where member partitions are initialized as MBR, if the total size of the partitions exceeds the MBR partition size limit of 2 TB, the target Simple Basic Volume disk will be initialized as GPT.

1.2 At Least One Swap Partition Must Be Recreated

Issue: For a Linux workload, a standard swap file or LVM swap file is not recognized after discovery as a swap file because of a `pvs` error when the swap space is hosted in a SAN. Discovery and failover might be affected. (Bugs 967241 and 1025310)

Fix: Swap devices hosted in a SAN are recognized by discovery and failover.

1.3 The Configuration Takes Longer Than Expected While Changing the IP Address of the Forge Management VM in the FACC

Issue: While using the Forge Appliance Configuration Console (FACC) to change the IP address of the Forge Management VM as a step in physically relocating the appliance, the configuration process takes longer than expected and times out. (Bug 1043438)

Fix: The configuration can time out if you are using a multiple-container license on the Forge Appliance instead of an expected single-container license. Ensure that you have the Forge VM correctly licensed with a single container license, then try again. See [“Physically Relocating the Appliance”](#) in the *PlateSpin Forge User Guide*.

1.4 After You Upgrade to Version 11.2, Windows Cluster Workload Replication Fails If the DNS Resolution Fails for the Cluster and Its Nodes

Issue: Because of changes in the Windows cluster support in version 11.2, PlateSpin Forge requires full DNS resolution for forward lookup and reverse lookup of the IP addresses for the cluster and its nodes. (Bug 947072)

Fix: Ensure that the PlateSpin Forge Server can resolve DNS forward lookup and reverse lookup for the IP addresses of the cluster and its cluster nodes. You can update the DNS server or update the local `hosts` file (`%systemroot%\system32\drivers\etc\hosts`) on the Forge VM.

1.5 Settings for SMTP, Email Notification, and Replication Reports Are Not Retained during an Upgrade

Issue: Previously, the email notifications and reports were not available after you upgraded to 11.2. Your settings for these features were reset during the upgrade. (Bug 947597)

Fix: PlateSpin honors your SMTP settings, email notification settings, and replication reports.

1.6 Default Cluster IP Address Name for Chinese Is Incorrect

Issue: Previously, the default Cluster IP Address names on the PlateSpin Configuration page did not match the default names in the Windows cluster in the Chinese Simplified and Chinese Traditional languages. The PlateSpin Server was unable discover the cluster workload, and the add workload action failed. (Bug 945124)

Fix: The default Cluster IP Address names now match the default names in the Windows cluster in the Chinese Simplified and Chinese Traditional languages.

1.7 PlateSpin Forge Management VM Should Not Appear in List of VMs Available for Prepare for Sync

Issue: The Forge Management VM was included in the list of VMs available for the Prepare for Sync action. (Bug 945847)

Fix: The Web Interface now filters out the PlateSpin Forge Management VM to prevent the user from inadvertently selecting it when adding a server-sync contract.

1.8 Protection of Windows Workload to VMware 5.5 or 6.0 Shows a Non-Critical Error for Installing VMware Tools

Issue: When protecting a Windows Server 2008 R2 workload to VMware 5.5 or 6.0, a non-critical error occurs for installing tools when Install VMware Tools is enabled. However, the VMware tools are properly installed. (Bug 992705)

Fix: The installation of VMware Tools on a Windows Server 2008 R2 workload completes without errors.

1.9 Controller Hangs at Source Reboot because of a Race Condition

Issue: When you use the Web Interface to discover workloads and targets, the discovery might fail with a warning message. (Bugs 978308, 975092, 946132)

Fix: To avoid discovery failures caused by timing issues, a default heartbeat startup delay of 15 seconds (15000 ms) is set on the OFX Controller. The setting is configurable by adding the `HeartbeatStartupDelayInMS` registry key on the source workload. This registry key is not configured by default. See [“Modifying the OFX Controller Heartbeat Startup Delay”](#) in the *PlateSpin Forge User Guide*.

1.10 Windows Server 2003 Source Server Hang Issue

Issue: Previously, Windows Sever 2003 workloads might hang during discovery. (Bug 951595)

Fix: Discovery no longer hangs for Windows Server 2003 workloads.

1.11 Validation Should Be Removed for Windows Conversion to ESXi 6 with GPT Partition Larger than 2.2 TB

Issue: An error occurred for workloads with GPT partitions larger than 2.2 TB for target workloads on VM containers using ESXi 6.0. (Bug 935511)

Fix: This release supports workloads with GPT partitions larger than 2.2 TB for target workloads on VM containers using supported versions of VMware ESXi and vCenter 5.5 and higher.

1.12 First Full Replication Fails on PrepOSToBoot

Issue: The first full replication for a RHEL 6.7 workload on a VMware 6.0 container fails because of an Out of Memory condition during replication. (Bugs 988814, 980995, 970315)

Fix: In the PlateSpin Configuration settings, the default value for the `TakeControlMemorySizeInMB` parameter has been increased from 512 MB to 768 MB. See [“Take Control Memory Size”](#) in the *PlateSpin Forge 11.3 Release Notes*.

1.13 Full Replication Breaks Differential Backup for SQL Server

Issue: After a full replication for a workload running Microsoft SQL Server 2012, the SQL Server’s differential backup fails until a full backup with Microsoft tools runs again. This issue might occur if Microsoft VSS Writer for SQL Server (`SqlServerWriter`) is running during the replication. (Bug 983567)

Fix: The issue with `SqlServerWriter` has been resolved. SQL server differential backups are not broken.

NOTE: As a best practice, ensure that no backups run during the narrow window when the Microsoft Volume Shadow Copy Service (VSS) snapshot is created for Windows workload replication. This practice applies for any software that uses VSS to create snapshots, including anti-virus, SQL backups, and so on.

1.14 Access to the Path `/mnt/target/{id}/System Volume Information/{guid}{guid}` Is Denied

Issue: Replication fails because of an unauthorized access exception. (Bug 965606)

Fix: Forge catches and handles the exception.

1.15 Controller Connection Cannot Be Established If the Source Workload Is a Gateway, Proxy, or Remote Access Server

Issue: At replication time, a controller connection could not be established with a source workload if it was a gateway, proxy, or remote access server. A restart of the Routing and Remote Access Windows Service was needed on the source workload to clear the IP interface and allow the replication process to connect. (Bug 966024 and 951535)

Fix: At replication time, the controller can connect to source workloads that act as a gateway, proxy, or remote access server without requiring a restart of the Routing and Remote Access Windows Service.

1.16 Replication Stuck at Copy Data with Source behind NAT

Issue: A source workload in a NAT environment was added using its NAT public IP address; however, the workload's NICs were mapped only to private IP addresses. At replication time, its NAT public IP address was unknown to the source operating system. (Bug 970430 and 961985)

Fix: When a source workload is in a NAT environment, you can configure the target workload to use the source workload's NAT public IP address as the first address to try in a NAT IP-pinning scenario when connecting to the source machine for replication.

1.17 After Patch Installation, New Workload Replications Fail at Reconfiguring a VM

Issue: An interim patch failed in some instances for workloads with GPT partitions larger than 2.2 TB for target workloads. (Bug 953696)

Fix: GPT partitions work as expected.

1.18 Prepare for Sync Incorrectly Modifies Sockets and Cores Settings on the Target VM

Issue: In some conditions, Prepare for Sync honored the total number of CPUs set for the target VM, but it incorrectly modified the settings for cores and sockets on the target VM. It set the cores per socket to 1, and the number of sockets to the total number of CPUs. (Bug 949765)

Fix: Prepare for Sync honors the cores and sockets settings on the target VM.

1.19 Subsequent Full Replication Fails for Disks with Extended Partitions

Issue: After you upgraded to version 11.2, subsequent full replications failed for file-based replications if the workload had extended partitions with logical drives. The first full replication after the upgrade and incremental replications were not affected. It did not occur for new contracts. (Bug 948855)

Fix: For file-based replications, subsequent full replications now work as expected for workloads that have extended partitions with logical drives.

1.20 Cluster Case Sensitivity: Replication Fails with a Validation Error If a Cluster Node Name Is in Mixed Case

Issue: Cluster node names were case sensitive and did not support mixed case names. (SR 10975270421)

Fix: This release allows cluster node names in mixed case. It treats all node names as case insensitive.

1.21 Failover Stalls with a Configuration Service Not Started Error

Issue: During a failover job, the target VM fails to boot. The failover process stalls at configuring the services with a `Configuration Service Not Started` error. (Bugs 994314, 991089, 991068, 988132, 987156, 986629, 984153, 982362)

Fix: Failover jobs perform as expected for most workloads. If you encounter the error, See [“Troubleshooting the Configuration Service”](#) in the *PlateSpin Forge User Guide*.

1.22 Failover Hangs with VMware vCDROM Locked Message

Issue: For target Linux workloads on VMware containers, after the data copy completes and the configuration service begins, the cutover hangs because the vCDROM lock was not properly released. (Bugs 988839, 975853)

Fix: The vCDROM lock is properly released after installing VMware tools in Linux.

1.23 D Drive in the Test Failover Target VM Is Offline

Issue: For a Windows Server Cluster workload, it was possible for a hard drive to not come online correctly on Failover or Test Failover, and the drive had to be brought online manually. (Bug 956559)

Fix: The hard drives are brought online automatically after a failover or test failover.

1.24 Failback to Physical Fails When the Boot Mode for Source and Target Are Not the Same (UEFI or BIOS)

Issue: Previously, when you initiated the [Save and Failback](#) option for a source workload that uses UEFI boot mode, the failback failed if the physical target workload used the BIOS boot mode. This issue occurred because of the mismatch in boot modes for the source and target. (Bug 949579)

Fix: The failback validator allows the condition where the boot modes do not match on the source and target workloads.

1.25 DNS Settings Are Not Sticky at Failback on a Physical Target with Multiple NICs

Issue: Previously, for workloads with multiple NICs, the DNS settings were not automatically configured during the failback. (Bug 945090)

Fix: DNS settings are sticky for failback to physical targets with multiple NICs.

2 Resolved Issues List

This section lists all resolved issues organized by component. Multiple defects are listed if the fix resolve multiple related issues. For resolved issues marked with an asterisk (*), see the related topic in [Resolved Known Issues](#).

Number	Component	Description
1043438 *	Configuration	The Configuration Takes Longer Than Expected While Changing the IP Address of the Forge Management VM in the FACC
1009594	Configuration	Reorganize the Configuration Page to Show LVM Logical Volumes after Volume Groups
1001626	Configuration	Test Credentials Option Should Require Only a Single Click
1000552	Configuration	Network Adapters Settings Need Descriptive Labels, Reorganization, and Tooltips
1000529	Configuration	Networks Allowed for Replication Setting Needs a Tooltip
995736	Configuration	MTU Setting Should Be Available Only in Replication Network Settings
994535	Configuration	Warning Message Required for Converting the Disk Volume Size Exceeding 2 TB to GPT Partitions
976324	Configuration	Configuration Should Allow GPT Data Disks Larger than 2 TB for VMs on Target VMware 5.5 and Later Containers
969981	Configuration	For Linux Configuration, Move Converted Logical Volumes to Follow Volume Groups
949871	Configuration	Protection Configuration for an Incremental Replication Contract or On Reprotect Needs to show the CPU Values, Including Cores and Cores Per Socket
949319	Configuration	For Windows Server Cluster, Warn/Info If the User Protects without Satisfying the Prerequisites for Cluster Protection
1025310 * 967241	Discovery	At Least One Swap Partition Must Be Recreated
1043622	Discovery	OEL 5.2 64-bit Source Workload Gets Discovered as Unsupported Workload
1019864	Discovery	Discovery or Refresh of Linux Workload Fails with an Unexpected Error
1017773	Discovery	Workload Discovery Fails If OS Reports RAM Size in Bytes Instead of MB
1009647	Discovery	Linux Workload Discovery Reports Incorrect Amount of RAM
1005530	Discovery	[NIC] Workload Discovery Fails for Linux VM with e1000e NICs on Some ESXi Versions
999700	Discovery	[Windows Server 2003 R2] Workload Discovery Properties Are Not Displayed Properly
997795	Discovery	vCenter Discovery Fails with Prevalidation Error: No datastores have been found on target container

Number	Component	Description
996158	Discovery	Target Discovery of Target VMware Container Fails with an Initializer Error
992090	Discovery	Workload Discovery Fails If Windows Service Startup Mode Is Unknown
968104 968331	Discovery	Discovery Fails If a Disk Does Not Match a Defined PNP Device ID; Assume Local
977157	Discovery	Re-Discovery of Target VMware Host Is Not Working as Expected
896590	Discovery	[HP ProLiant DL360e Gen8] Discovery Fails If OS or Partition Already Exists
949579*	Failback	Failback to Physical Fails When the Boot Mode for Source and Target Are Not the Same (UEFI or BIOS)
945090*	Failback	DNS Settings Are Not Sticky for Failback on a Physical Target with Multiple NICs
989304	Failback	V2P Failback Fails at Preparing Target Machine to Boot OS
1062146	Failover	Failover VM Gets 169.xxx.xxx.xxx IP Address Instead of Static IP
1009559	Failover	Linux UEFI Workload with Multiple Disks Boots into Error Mode after Failover
994314* 991089 991068 988132 987156 986629 984153 982362	Failover	Failover Stalls with a Configuration Service Not Started Error See also “Troubleshooting the Configuration Service” in the <i>PlateSpin Forge User Guide</i> .
989752	Failover	Same Daemons Selected to Stop during Replication as well as Failover Seem to Not Be Triggered to Stop Until After Failover Is Complete
988839* 975853	Failover	Failover Hangs with VMware vCDROM Locked Message in VIC; User Intervention Required
958199	Failover	Target VM Booted Up in Recovery Mode
956559*	Failover	D Drive in the Test Failover Target VM Is Offline
1004658	PlateSpin Server	Very Slow Speed on Server Due to ScheduledJobDebug Entry Growing Too Large
1015010	PlateSpin Server	Value of VMXNET3 for preferredVMwareNicAdapter Does Not Work for Linux Workloads; Creates E1000 NICs
1007072	PlateSpin Server	LRD ISO Build Number Is Not Correct When Booted
999265	PlateSpin Server	Setting ForceMachineDiscoveryFileTransport to True in PlateSpin Configuration Does Not Take Effect in a Discovery Job

Number	Component	Description
995231	PlateSpin Server	[Install] Password Is Exposed in Plain Text in <code>install.log</code> File for Silent Install
994543	PlateSpin Server	Warning Message When Creating the VMware Role: Privileges Are Missing in the Platespin Role Tool
987117	PlateSpin Server	[Install] Installation Fails without Pre-Installing Microsoft .NET Framework 4.5.2 Developer Pack
977947	PlateSpin Server	Unable to Log In to PlateSpin Server Localhost URL with Domain User Login
977170	PlateSpin Server	Windows Server 2012 Drivers Added to the PlateSpin Database Show Up as OS Type Windows 8x64
947597*	PlateSpin Server	[Upgrade] Settings for SMTP, Email Notification, and Replication Reports Are Not Retained during an Upgrade
946124*	PlateSpin Server	Default Cluster IP Address Name for Chinese Is Incorrect in PlateSpin Configuration tool
838050	PlateSpin Server	[Install] Install SQL Server Express Button Should Be Disabled If SQL Server 2014 Is Already Installed on the Host
1046179*	Replication	Windows Dynamic Disks: Npart Error Code 28 msg=Device <Name> Does Not Have Enough Free Space (No Space Left on Device)
1077280	Replication	Failover VM Was Not Created in Selected VMware Resource Pool
1043372	Replication	Maximum VMware Virtual Hardware Version Increased from 11 to 13 in support of VMware 6.5
1038965	Replication	If Multiple Pre-Compiled blkwatch Drivers Match the Same Kernel Version, Match to the Proper OS
1001507	Replication	Replications of Large NSS Pools Are Slow or Time Out and NSS Pools Do Not Skip Free Blocks during Replication
SR 10975270421*	Replication	Cluster Case Sensitivity: Replication Fails with a Validation Error If a Cluster Node Name Is in Mixed Case
1026601	Replication	Invalid Disk Configuration after P2V File-Based Replication
1020045	Replication	Create Partition Fails If the Expected Target ESXi Server Is Not Available
1010284	Replication	Windows Protection Fails in Creating and Partitioning Volumes with Error: <code>Argument Cannot Be Null</code>
1007461 1008115	Replication	Create LVM Physical Volume Fails on VMware 5.1 Containers; Use Old <code>pvsan</code> Command
1004228	Replication	X2P Protection Fails for Source Workload When Mapping More Than 3 Partitions to a Single Disk
1003636	Replication	[Windows Server 2008 R2] Replication Fails Using Block-Based Transfer with Encryption If Expected Volumes Are Not Available

Number	Component	Description
1001287	Replication	[OES11 SP2] NSS Creation Fails If Target Device Does Not Have Enough Free Space as MBR Disk
997711 1002854 997653	Replication	Incremental Replication Fails for Linux If Disks Are Reordered
997353	Replication	Disk Volumes Greater than 2.2 TB Must Be Converted to GPT on the Target
995667	Replication	Subsequent Incremental Replications Get Stuck in Reverting Virtual Machine to Snapshot with Error: Unable to connect to VMware Virtual Infrastructure Web Services
989650	Replication	[Windows Server 2012 R2 Cluster Node] Full Replication of Workload Fails during Preparing OS to Boot with a NullReferenceException Error If TakeControlMemorySizeinMB Is Insufficient
988814* 980995 970315	Replication	First Full Replication Fails on PrepOSToBoot
983567*	Replication	Full Replication Breaks Differential Backup for SQL Server
975033	Replication	Linux UEFI Workload Replication Fails to Target VMware Containers
970430* 961985	Replication	Replication Stuck at Copy Data with Source behind NAT
969647	Replication	Linux Workload Replication with Encryption Fails at Copy Files Step
968929	Replication	[Windows Server 2012 R2] First Full Replication Fails at Preparing Target Machine to Boot OS If the Windows Boot Manager GUID Has Been Altered from the Default Value
966024* 951535	Replication	Controller Connection Cannot Be Established If the Source Workload Is a Gateway, Proxy, or Remote Access Server
965606*	Replication	Access to the Path /mnt/target/{id}/System Volume Information/{guid1}{guid2} Is Denied
963926 988471	Replication	Replication Fails at the Send and Receive If the Expected Bootloader or Disks Are Unavailable
953696*	Replication	After Patch Installation, New Workload Replications Fail at Reconfiguring a VM with Error: Required property cannot be found. Property value: TakeControlSockets
949765*	Replication	Prepare for Sync Incorrectly Modifies Sockets and Cores Settings on the Target VM
948855*	Replication	Subsequent Full Replication Fails for Disks with Extended Partitions
947072*	Replication	After You Upgrade to Version 11.2, Windows Cluster Workload Replication Fails If the DNS Resolution Fails for the Cluster and Its Nodes

Number	Component	Description
940380	Replication	Incremental Replication Failed with a Compression-Decompression Error Caused by a Corrupt Catalog (Modified Blocks) File
1017241 1017266	Web Interface	Diagnostics Report Fails to Generate HTML Output
1017186	Web Interface	Unable to Do Server-Sync Operation for Cluster Workload Due to Validation Error in Network Configuration Section
1016689	Web Interface	Replication and Next States Fail If the Target Datastore Free Space becomes Less than the Source Workload Disk Size
1012870	Web Interface	Unable to Configure Cluster Workload because of a Configuration Page Validation Error
1004065	Web Interface	(Chinese Traditional Locale) Wrapping Issue for the WINS Server Label on the TCP/IP WINS Server Dialog
1003005	Web Interface	(Non-English Locale) Untranslated Text Displays on the Web Interface Configuration Page for Linux Workloads
1001844	Web Interface	Warning Message Is Needed When Prerequisites (PowerShell 2.0) Are Not Installed on the Cluster Nodes
995724	Web Interface	Previously Thrown Error or Exception for Target Should Not Display after New Target Selection
992280	Web Interface	[Notification] For SMTP Alerts, Receive Progress Notifications Interval Time Menu Is Not Displayed Properly
980595	Web Interface	Confirmation for Deleting a License Needs to Show the Module and Activation Code
980588	Web Interface	Settings > Licenses : List Needs to be Sorted on Activation Codes
980023	Web Interface	Dashboard: Underprotected Link Goes to “Not Configured” Workload List Instead of “Underprotected” Workload List
973920	Web Interface	Prepare for Incremental Replication Page Should Display the Source Workload Name to Help in Choosing the Target VM
972438	Web Interface	[Notification] SMTP Email Notification Should Not Display the Average Transfer Speed Statistic
971847	Web Interface	Credentials Test Fails for Add Workload If the User Name Has Extra Spaces before or after the Name
970701	Web Interface	Error Message Is Displayed Multiple Times When You Click Configure Multiple Times without Specifying a Target; Configure Should Be Disabled Until Target Is Specified
970763	Web Interface	Abort Action Should Require Confirmation
968811	Web Interface	Warning Should Be Displayed If the Target Workload Fails to Join the Domain
949847*	Web Interface	PlateSpin Forge Management VM Should Not Appear in List of VMs Available for Prepare for Sync

Number	Component	Description
942304	Web Interface	Direct Incremental Replication Status Message Is "Running First Replication" Instead of "Running Incremental"
935518	Web Interface	Need Test Credentials Option for Add Target
1026728 1025719	Workload	X2P Raw Disk Volumes Cause Disk Configuration Error when Source Disk Sizes Don't Match Target
1020058	Workloads	Problems with DHCP on Take Control Network Settings
1019228 990860 977426 969456 969376	Workloads	Target Linux VM Setup Fails at Configuring Operating System If the Expected Output Floppy Is Not Mounted
1018475	Workloads	Target Linux VM Setup Fails at Preparing OS to Boot If the Calculated Buffer Area Is Insufficient for BCD Objects
1017302	Workloads	Target Linux VM Setup Fails If Partitions Are Configured Improperly; Requires GPT or MBR with an Extended Partition
1009597	Workloads	Unable to Copy Linux Workload; Losing Contact with Source Workload at Source Take Control
992705*	Workloads	Protection of Windows Workload to VMware 5.5 or 6.0 Shows a Non-Critical Error for Installing VMware Tools
989887	Workloads	Force Install VM Tools Configuration Value Set to True Copies Packages to the Target VM but Does Not Install Them
989455 992937	Workloads	Failback for Linux Workload Fails with Errors for LVM Partitioning Operations
986571	Workloads	Creation of VSS Snapshot Failed During Target VM Setup
982571	Workloads	[Windows Server 2012 R2] Protection Gets Stuck at Configure Target Machine with Recoverable Error
978308* 975092 946132	Workloads	Controller Hangs at Source Reboot because of a Race Condition
974709	Workloads	Target Linux VM Setup Gives a Recoverable Error at Configuring Operating System
974066	Workloads	[Windows Server 2012 Exchange Server] Configuring Target VM Takes More than 7 Hours
951595*	Workloads	Source Server Hang Issue
935511* 951418	Workloads	Validation Should Be Removed for Windows Replication to ESXi 6 with GPT Partition Larger than 2.2 TB

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