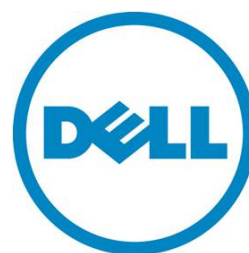

Active System Manager

Version 7.5.2

Release Notes



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About This Release

The release notes contains important information available at the time of release of Active System Manager™(ASM), release 7.5.2, including information about Active System Manager release lineup and dependencies, Active System Manager documentation lineup, known issues, and the methods to contact your service provider.

Read through the release notes before installing and configuring your software, and then periodically thereafter for the most up-to-date information.

This Active System Manager documentation includes:

- About This Release
- Active System Manager Release Lineup and Dependencies
- Known Issues
- Active System Manager Documentation Lineup
- Contacting Technical Support

Active System Manager Release Lineup and Dependencies

The following topics outline Active System Manager release lineup and dependencies for Release 7.5.2:

- Active System Manager Software Components
- Supported Virtualization Platforms
- Supported Client Platforms
- Active System Web Interface Platforms

Active System Manager Software Components

Active System Manager components that form this release include:

- ASM 7.5.2 Virtual Appliance

Supported Virtualization Platforms

The following virtualization platform is supported for this release:

- VMware ESXi 5.1
- VMware ESXi 5.5
- Microsoft Windows Hyper-V 2012
- Microsoft Windows Hyper-V 2012 R2
- System Center Virtual Machine Manager 2012
- System Center Virtual Machine Manager 2012 R2

Supported Client Platforms

The following client platforms are supported for this release:

- Windows 2012
- Windows Server 2012 R2
- Red Hat Enterprise Linux 6.5
- CentOS 6.5

Active System Manager Web Interface Platforms

The following Web Interface Platforms are supported for this release:

- Microsoft Internet Explorer, version 9 and later
- Mozilla Firefox, version 26 and later
- Google Chrome, version 32 and later
- Safari, version 6 and later

Important Notes

To support interoperability, ASM 7.5.2 requires:

- The following resources locale are set to English:
 - Microsoft System Center Virtual Machine Manager (SCVMM)
 - VMware vCenter
 - Dell EqualLogic
 - Dell Compellent
 - Dell Chassis Management Controller (CMC)
 - Integrated Dell Remote Access Controller (iDRAC)
 - NetApp
- All Bare Metal OS installations must be in English to support unattended installation process.
- The credentials used for all the external systems that Active System Manager (ASM) interfaces must be in English. For example, Virtual Machine Manager credentials for systems such as SCVMM and VMware vCenter must be in English. Therefore, ASM can provision to these environments.
- DNS names must be in English.

Known Issues

The following section lists the known issues with the Active System Manager (ASM) 7.5.2:

Issue [ASM-1184]: Unable to launch management interface for blade switches through ASM GUI.

Description: After discovering a Dell PowerEdge M1000e chassis, in the **Resources** page, click the chassis, click **View Details**, and then click **I/O Module Details** tab in the **Chassis Details** page. This tab shows a list of I/O Modules that contains links for the Management IP, which is not correctly launching the management interfaces for these resources.

Resolution/Workaround: None

Issue [ASM-1152]: Unable to deploy a service using a template that contains more than one vCenter cluster.

Description: If a template contains two clusters in the same vCenter instance, the service cannot be deployed.

Resolution/Workaround: While deploying a service using a template, make sure the template contains only a single vCenter Cluster.

Issue [ASM-1151]: CentOS is deployed successfully but ASM GUI displays a message that the deployment is unsuccessful.

Description: Duplicate host names can cause this issue because the remote host operating system checks the deployment with its host name. If an earlier host with a different service tag has checked in with the same host name, the host name is not registered because the name already exists. If you delete an earlier deployment, always use a unique host name.

Resolution/Workaround: Always use a unique host name.

Issue [ASM-1147]: If you delete a network that is used in a published template, the template remains in the published state. However, the service cannot be deployed using the template.

Description: ASM will allow you to delete a network even if it is used in a template. If you attempt to deploy a template with a deleted network, the service cannot be deployed.

Resolution/Workaround: Make sure that all the networks in the published template exist in ASM.

Issue [ASM-1134]: You cannot deploy the service if an ESXi host has iSCSI storage volumes attached additionally, which is beyond the limit that ASM can deploy.

Resolution/Workaround: Before you deploy a host, make sure the host does not have storage that has been provisioned already or you can review the access credentials on your storage array.

Issue [ASM-1122]: vSwitch created on servers with 1 GB NICs do not tag ports correctly.

Description: 1 GB NICs is not supported.

Resolution/Workaround: None

Issue [ASM-1093]: While using Active Directory, ASM displays a message “An unexpected error has occurred on the system. Please try again later”.

Description: This error occurs if invalid long values are used in the fields during Active Directory instance creation.

Resolution/Workaround: None

Issue [ASM-1089]: The **Phone number** field does not allow special or alphabet characters.

Resolution/Workaround: While creating a user and entering the value for a phone number, use only numeric characters.

Issue [ASM-1051]: You cannot select vNICs associated with vSwitches in VMware vCenter.

Description: During deployment of ESXi, vSwitches created by ASM do not allow you to select vNICs because the vNICs are selected by ASM.

Resolution/Workaround: None

Issue [ASM-1013]: If you specify a Storage Pool that does not exist, a message indicating an error is displayed.

Description: After creating a storage template, if you type a Storage Pool name that does not exist then the deployment indicates an error.

Resolution/Workaround: None

Issue [ASM-1012]: Service description should not contain more than 1024 characters.

Description: You cannot deploy a service if a service description is more than 1024 characters.

Resolution/Workaround: Make sure that service descriptions do not contain more than 1024 characters.

Issue [ASM-956]: Unable to deploy service in some cases where specific NIC or BIOS settings are required.

Description: The service cannot be deployed for incorrect BIOS or NIC settings.

Resolution/Workaround: You may have to update the settings in a config XML file for the server.

Issue [ASM-953]: SD Card Mirroring must be enabled on all the physical servers.

Description: The deployment to bare metal server do not consider dual SD card. Thus ASM could deploy the operating system in one SD card and boot from the other. Servers are shipped from the factory with appropriate settings.

Resolution/Workaround: If this issue occurs, make sure that SD card mirroring is enabled on the server.

Issue [ASM-836]: If you delete a user in Active Directory, the user still exists in ASM Users list.

Description: If an Active Directory user is already imported to ASM and the user is deleted in Active Directory server, you can no longer log in again. The user exists in the ASM Users list and can still edit the details about the user. If you add the deleted user in Active Directory again, you must log in using a new password.

Resolution/Workaround: None

Issue [ASM-837]: The group a user belongs to in Active Directory is not associated with the role that the user must be associated in ASM.

Description: A user under a group in Active Directory is not associated with the role that the user must be associated in ASM. A non-administrator user can be assigned the Administrator role in ASM.

Resolution/Workaround: Make sure that during import of Active Directory users, appropriate ASM role level is assigned.

Issue [ASM-685]: Inventory of EqualLogic storage may be incomplete.

Resolution/Workaround: Make sure that EqualLogic storage array is configured with a "public" SNMP community name.

Issue [ASM-546]: System time out does not occur if any of the pages that list the information is open. That is, Resources page, Templates page, and so on.

Resolution/Workaround: If you are on a page that displays a list view, make sure you close these pages.

Issue [ASM-1150]: Importing users from Active Directory blocks access for local users.

Resolution/Workaround: You cannot use "ASMLocal" for the imported domain name.

Issue [ASM-1240]: Unable to log in to Active System Manager (ASM) with the credentials of the users imported from Active Directory when certain Bind DN formats are used.

Description: While creating a directory service to import Active Directory users, the only format used for the "User Name (Bind DN)" value is <user>@<domain>. For example, administrator@dell.com. If any other formats are used, you can import users, but users cannot log in to ASM.

Resolution/Workaround: If users have already been imported, delete the users. Edit the directory service "User Name (Bind DN)" and use the format <user>@<domain>, and then re-import users.

Issue [ASM-1227]: The **Edit Directory Services** dialog box displays incorrect information about the protocol used for Active Directory (AD) services. The **Plain** protocol is always displayed, even if the service is set to **SSL**.

Description: While editing an Active Directory (AD) service, the **Edit Directory Services** dialog box always displays the **Plain** protocol, even if the directory service is set up and uses **SSL** protocol. This can cause issues when importing Active Directory users for this service.

Resolution/Workaround: To make sure the correct setting, for **SSL** simply select **SSL** and save the directory service settings, and then re-import users. If you want to use **Plain** protocol, first set the protocol to **SSL**, and then from the drop-down list select **Plain** protocol. After selecting the protocol, save the settings, and then re-import users. Therefore, the correct protocol is used, even if ASM GUI does not display correct protocol.

Issue [ASM-1223]: ASM displays incorrect information about EQL storage details. Storage pool information is not accurate.

Resolution/Workaround: Make sure that information about storage pools is retrieved from actual EqualLogic Management GUI for the storage being managed.

Issue [ASM-1352]: After restoring a backup, non-ESXi repositories are not restored. The service cannot be deployed until you manually re-create repositories.

Description: After you restore a backup to an ASM virtual appliance, the backup cannot re-create OS installation repositories. The service cannot be deployed using non ESXi-OS after restore until you re-create their OS repositories in Razor.

Resolution/Workaround: After performing a restore, make sure all OS install repositories are re-created.

Issue [ASM-1260]: An operator cannot delete an unsuccessful service deployment.

Description: An operator can initiate a service deployment, but ASM does not provide the ability for an operator to delete that service. The **Delete** button is greyed out.

Resolution/Workaround: Only an admin user can delete a service that is failed.

Issue [ASM-1255]: Default template passwords are not displayed, and the users are not prompted to change the password.

Description: Default templates that ship with ASM appear to contain passwords because a masked value is visible in password fields. Actually a password is not present, so this causes issues during service

deployment.

Resolution/Workaround: Make sure that any default template is cloned, and then passwords are updated for the new template.

Issue [ASM-1198]: Issue while provisioning virtual machines with hostname that has already been used.

Description: If you provide the same name of the virtual machine which exists for an earlier deployment to vCenter, even if it does not exist anymore, virtual machines cannot be provisioned. The virtual machine is created on vCenter, but the OS cannot be installed on the virtual machine and virtual machines are not provisioned indicating an error.

Resolution/Workaround: You cannot use the same virtual machine name on subsequent deployments.

Issue [ASM-1196]: The Windows unattend file contains a clear text password.

Description: The Windows `unattend.xml.erb` file contains a clear text password. This password is required for razor to install Windows. It is accessible through the svc URL, which should be isolated on the PXE network.

Resolution/Workaround: You should make sure that the password is changed after the Windows install or set to Windows to force you to change password on first login.

Issue [ASM-1086]: Active Directory user import displays an error message if the name contains invalid characters.

Resolution/Workaround: Make sure while importing the Active Directory user name, the user name contains only alphanumeric characters.

Issue [ASM-1055]: After configuring networks for vSwitch on ESXI, all dialog boxes display UUIDs.

Description: While deploying a service, the dialog boxes in the Service Recent Activity display UUIDs instead of actual network names.

Issue [ASM-1001]: Unable to deploy a service for Fiber Channel storage component if the server object is already mapped to the volume in Storage Center.

Description: If the server object is already mapped to a volume in Compellent Storage Center then a service cannot be deployed for storage component.

Resolution/Workaround: Un-map the volume in Compellent Storage Center, and then retry the service deployment.

Issue [ASM-1469]: Unable to deploy a Resource Module using CentOS 6.5 because devices do not check in using ASM.

Description: ASM installs an agent in the deployed operating system using a CIFS share, and this agent should check in to confirm the deployment. If the minimal ISO is used on CentOS, the correct packages for the samba-client to mount the share are not included. Therefore, the agent RPM cannot be downloaded.

Resolution/Workaround: To install CentOS, do not use the minimal install because this does not include

the samba-client, the full ISOs are required.

Issue [ASM-1463]: If you select ESXi 5.5 operating system to deploy Compellent FC storage component, the service cannot be deployed.

Description: Currently, ASM supports Compellent 6.3 and ESXi 5.5, but officially ESXi 5.5 support is provided for Compellent 6.4. While creating Compellent components for ESXi 5.5, you must select ESXi 5.1. If you select ESXi 5.5, service cannot be deployed. After selecting ESXi 5.1 for the storage component, the Compellent server objects are created using ESXi 5.1. The settings for ESXi 5.1 and ESXi 5.5 are functionally the same, and the deployment works.

Resolution/Workaround: If you want to deploy a Compellent storage component using ESXi 5.5, in the Template Builder page, select **VMware ESXi 5.1** from the **Operating System Name** drop-down list for the storage component.

Issue: [ASM-1588] Unable to deploy RHEL OS to bare-metal Cisco UCS server.

Description: An error occurs if you deploy RHEL OS on bare-metal Cisco UCS server because the deployment looking for Dell service tag.

Resolution/Workaround: An update is required to prevent Cisco deployment from looking for a Dell service tag.

Issue: [ASM-1586] Unable to create a server pool for Cisco UCS servers

Description: When you create a server pool with Cisco UCS blade, the blades that are discovered in Active System Manager (ASM) do not display the list of servers to add to the server pool in the **Add Servers** page of the **Create Server Pool** dialog box.

Resolution/Workaround: You can add the Cisco UCS servers only to the global pool.

Issue: [ASM-1584] In the **Service Details** page, the time stamp displayed for a service deployment is incorrect.

Description: In the **Service Details** page, the time stamps displayed under **Recent Activity** are incorrect even if NTP and time zone on the ASM virtual appliance are configured appropriately. However, the Dashboard displays the actual time stamps under **Recent Activity**.

Resolution/Workaround: For the actual time stamps, see the Dashboard.

Issue: [ASM-1579] The **Host Group** drop-down for the Cluster component is not updated after re-running the inventory for the SCVMM.

Description: After running the inventory for an SCVMM server, go to a template and create a cluster component. The **Host Group** drop-down lists the new host groups and host groups, which are deleted from SCVMM.

Resolution/Workaround: Make sure that stale host group entries are not selected during deployment. Even if it is selected, the deployment will be successful. However, new host groups will be created.

Issue: [ASM-1576] Need to set vSwitch from beacon probing to "link status only" when using only two NICs.

Description: When two physical NICs are used on a vSwitch, beacon probing should be disabled and the setting should be set to "link status only". It is recommended to use beacon probing only when you have three or more network adapters.

Resolution Workaround: In vCenter, for a host configuration, go to vSwitch properties and change the settings for each vSwitch and port group to "Link status only".

Issue: [ASM-1574] ASM reports Hyper-V deployment as successful but hosts do not have the connectivity to the shared storage if Fabric B or Fabric C is enabled.

Description: While deploying Hyper-V or Hyper-V cluster using ASM, if chassis Fabric B or Fabric C NICs are enabled, this will cause the Hyper-V deployment not to properly connect to shared storage. ASM may report successful deployment. However, the hosts do not have the connectivity to the shared storage.

Resolution/Workaround: If Fabric B and Fabric C are required, disable it before Hyper-V deployment and do not enable it until Hyper-V deployment completes. After the deployment, enable it for use.

Issue: [ASM-1572] An incorrect license count is displayed for SCVMM.

Description: Currently, SCVMM consumes users' licenses.

Resolution/Workaround: None. Currently, ASM does not enforce license count. Therefore, resources should still function normally even if a warning message is displayed on the ASM UI.

Issue: [ASM-1568] EqualLogic IP deployment fails at vCenter cluster.

Description: The deployment fails if the iSCSI storage volume authentication method is set to IP/IQN when deploying ESXi.

Resolution/Workaround: Use only CHAP authentication for EqualLogic deployments.

Issue: [ASM-1567] Deploying EQL iSCSI with IP address does not validate for DHCP network.

Description: Create an EQL volume using IP/IQN address, instead of CHAP, and do not specify a static network for the SAN iSCSI network. The ESXi deployment fails and the following error message is logged in the `exception.log` file.

```
#<NoMethodError: undefined method `[]' for nil:NilClass>
```

Resolution/Workaround: Any iSCSI network should be specified with static IP addresses. In addition, ESXi deployments require EqualLogic with CHAP addressing.

Issue: [ASM-1564] A cluster cannot be deployed when multiple storage volumes are added to a cluster.

Description: When creating a template that has two servers and each had a single EQL volume attached to it, the deployment fails when adding the hosts to cluster because it tries to add both the volumes to the cluster using the same name.

Resolution/Workaround: When creating service deployment with a cluster and hosts, a single volume should be created and each host should be related to the same volume to be shared. Each host should not have its own volume created.

Issue: [ASM-1553] In the **Resources** page, the service tag displayed for the Dell 8/4 FC SAN switch in the **Resource ID** column is incorrect.

Description: For the Dell 8/4 FC SAN switches, the asset tag or service tag is not displayed in the **Resource ID** column. The unique device identifier will be displayed in the **Resource ID** column. However, the device identifier is not the service tag of the device.

Resolution/Workaround: Identify the device using the unique device identifier.

Issue: [ASM-1549] For EqualLogic storage, the volume size displayed in the **Storage Group Details** page is slightly higher (2 - 7 GB) than the actual size.

Description: During discovery, volume sizes inventoried are displayed slightly higher than the actual volumes in the EqualLogic. For example, a volume created as 110 GB is displayed as 112GB.

Resolution/Workaround: See the EqualLogic console for the correct volume size.

Issue: [ASM-1525] Virtual Machines (VM) cannot be added to the expected network on vCenter (VMkernelPort).

Description: Create a template that contains components from storage to virtual machine. On the virtual machine, select a private network in the **Network Settings** section. Private network displays as VMkernel port in the vCenter. Virtual machine is not added to VMkernel port.

Issue: [ASM-1590] Issue deploying Hyper-V because of incorrect NPAR setting from ASM.

Description: The Hyper-V cannot be deployed to a server if NPAR is enabled. Currently, ASM hardware configuration does not change the mode from partitioned mode to single function mode. Hyper-V deployment requires NIC to be configured in single function mode. When the NICs are viewed in Windows, you will see up to 8 NICs instead of 2 NICs, which the expected.

Resolution/Workaround: Before running the deployment, configure the Fabric A NICs to single function mode. Update the template for **config.xml**. This file name is **default.erb**. Using a text editor with `sudo` rights, navigate to `/etc/....`, find the line for " ", and change "None" to "NONE".

Issue: [ASM-1594] Template page does not load properly after you restart the ASM appliance when SCVMM is offline.

Description: After discovery of an SCVMM instance, create an SCVMM cluster component that uses the discovered SCVMM instance. If you restart the ASM appliance when SCVMM instance is offline, the template page may stop responding.

Resolution/Workaround: Bring the SCVMM instance online to load the template page properly. If no deployments exist, delete the dead instance of SCVMM from the inventory, the template page will load properly. If deployments exist, delete the deployments on the dead SCVMM instance, and then delete the dead SCVMM instance from inventory, the template page will load properly.

Active System Manager Documentation Lineup

The current lineup of the Active System Manager product guide documentation for this release includes the following:

- *Dell Active System Manager Version 7.5 User's Guide* — Provides an overview of Active System Manager, the detailed information about using the Active System Manager graphical user interface (GUI) and information to troubleshoot Active System Manager.
- *Dell Active System Manager Version 7.5 Online Help* — Provides detailed information about using the Active System Manager graphical user interface (GUI). You can access the Online Help from the ASM interface.
- *Dell Active System Manager Version 7.5 Quick Installation Guide* — Provides detailed information about installing Active System Manager (ASM) in your environment and configure the virtual appliance that hosts ASM.
- *Dell Active System Manager Version 7.5.2 Release Notes* — Provides a summary of the latest Active System Manager features, software changes, and system requirements, and the customer-facing known issues unique to each particular release.

For the latest documentation for Dell Active System Manager, version 7.5:

1. Go to dell.com/support
2. On the Support page, in the **Select a product** section, click **Software & Security**.
3. In the **Software & Security** section, click the required link from the following:
 - a. Client System Management
 - b. Enterprise System Management
 - c. Remote Enterprise System Management
 - d. Serviceability Tools
4. To view the document, click the required product version.

NOTE: You can also directly access the documents using the following links:

- For Client System Management documents — dell.com/OMConnectionsClient
- For Enterprise System Management documents — dell.com/openmanagemanuals
- For Remote Enterprise System Management documents — dell.com/esmmanuals
- For Serviceability Tools documents — dell.com/serviceabilitytools

Contacting Technical Support

The level of support that Dell provides is based on your support maintenance contract. Contact Dell technical Support by visiting the Dell web site at <http://www.dell.com/support/softwarecontacts>.