

# Brocade Network Advisor 12.0.0

## Release Notes v1.0

December 21, 2012

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## Product Overview

### Product Overview

IT environments are increasingly standardizing operational processes and policies, focusing on how to become more proactive in addressing system availability and performance, with a view to reducing costs, freeing up resources and accelerating the introduction of private and public cloud approaches to delivering services.

In doing so, the network is increasingly becoming a focus area for both reduction in unexpected downtimes and ongoing operational costs, as well as providing an opportunity to enable more IT and business agility.

Brocade Network Advisor greatly simplifies the steps involved in daily operations while improving the performance and reliability of the overall SAN and IP networking environment. Brocade Network Advisor unifies under a single platform network management for SAN, LAN and converged networks. Brocade Network Advisor provides a consistent user experience, across the entire Brocade portfolio of switches, routers and adapters.

### Brocade Network Advisor Version 12.0.0

Revision 12.0.0 of Brocade Network Advisor offers significant enhancements to both flexible proactive SAN & IP network performance analysis as well as improvements to IP network configuration change deployment and monitoring for compliance. This is in addition to supporting new networking platforms and updated platform firmware versions.

#### Key Feature Enhancements:

- Performance Management – Dashboards and Historical data Aging enhancements
- Troubleshooting use case improvements in rapid navigation to identify problem areas
- Microsoft SCOM 2012 Management Pack updates
- Policy Monitor enhancements
- VM statistics collection with VM Aware Monitoring, including VCenter integration for IP statistics
- SAN
  - Support for Secure-FTP & Secure Copy Protocol support in firmware management and Technical supportsave
  - Bottleneck detection enhancements
  - Increased scale per BNA instance
  - SMIA enhancements
  - SFP historical trending support
  - FICON Port Decommissioning
  - Boot LUN Zoning enhancements
  - Bulk port configuration for Adapters
  - D-Port testing enhancements
  - Adapter reports
- IP Networks
  - CLI Manager parameterization enhancements
  - IP Telemetry configuration support for Policy based Routing
  - VCS Licensing enhancements
  - Unified Access management support for campus wired and wireless
- FOS 7.1 feature support

#### Incremental Hardware/Firmware Support

- Brocade 6520
- Brocade M6505
- Brocade 5430

## Migrations & Upgrades

**Network Advisor Upgrades:** Network Advisor 11.1.X (11.1.0 - 11.1.5), 11.2.X (11.2.0 - 11.2.1) and 11.3.0 running on the Linux and Windows operating systems can be upgraded to Network Advisor 12.0.0. SAN users may add IP management to Network Advisor 12.0.0 for SAN+IP network management with the procurement of the IP functionality. Also, IP users may add SAN management to Network Advisor 12.0.0 for SAN+IP network management with the procurement of the SAN functionality.

**Note:** Migrations from pre-12.0.0 to 12.0.0, require the pre-12.0.0 Network Advisor installation be running. Partial and Network path Migrations are not supported from Pre 12.0.0 to 12.0.0. Please refer the User Manual section “Migration data page and Configuring backup page” for more details.

**DCFM Migration:** DCFM 10.4.X running on the Linux and Windows operating systems can be upgraded to Network Advisor 11.1.X (11.1.0 - 11.1.5) for SAN first, then upgrade to Network Advisor 12.0.0. DCFM 10.4.x running on the Solaris platform must first migrate to a supported operating system, perform the upgrade to Network Advisor 11.1.X for SAN, and then upgrade to Network Advisor 12.0.0. Prior versions of DCFM would need to be first upgraded to DCFM 10.4.X and then perform the upgrade as listed above. Upgrades from DCFM to Network Advisor 12.0.0 for SAN do not require a new software license key. SAN users may add IP management to Network Advisor 12.0.0 for SAN+IP network management with the procurement of the IP functionality.

**INM Migration:** IronView Network Manager (INM) needs to be upgraded to Network Advisor 11.0.x (11.0.0 - 11.0.2), then to Network Advisor 11.1.x (11.1.0 - 11.1.5) and finally to Network Advisor 12.0.0. INM 3.3.0x running on the Linux and Windows operating systems would need to upgrade to Network Advisor 11.0.x for IP. INM 3.3.0x (INM 3.3.0, 3.3.01, 3.3.01a, 3.3.01b) running on the Solaris platform must first migrate to a supported operating system, and then perform the upgrade to Network Advisor 11.0.x for IP. Upgrades from INM to Network Advisor 11.0.x for IP do require a new software license key. Users should refer to the INM Migration Guide for a complete list of supported and unsupported data migrations and features. IP users may add SAN management to Network Advisor 12.0.0 for SAN+IP network management with the procurement additional features.

Users running INM 3.3.10c would need to migrate to Network Advisor 11.0.2a, then to Network Advisor 11.1.x (11.1.0-11.1.5) and finally to Network Advisor 12.0.0.

## Operating Systems Supported

| Operating System (architecture) / Installer   | Supported Package                              |
|---|--|
| <ul style="list-style-type: none"><li>Windows Server 2003 Standard SP2 (x86 32-bit)</li><li>Windows Server 2008 Standard (x86 32-bit)</li><li>Windows XP Professional SP3 (x86 32-bit)</li><li>Windows 7 Professional (x86 32-bit)</li><li>Red Hat Enterprise Linux 6.1 Adv (x86 32-bit)</li><li>Oracle Enterprise Linux 6.1 (x86 32-bit)</li><li>SUSE Linux Enterprise Server 11 (x86 32-bit)</li><li>VMware ESXi 5.0, KVM and Microsoft Hyper-V (Hyper-V Server 2008 R2 SP1) with Guest VMs of: All above</li></ul> | SAN-only or IP-only, SMIA only (small, medium) |

| Operating System (architecture) / Installer  | Supported Package                       |
|--|---|
| <ul style="list-style-type: none"> <li>Windows Server 2008 R2 (x86 64-bit) Standard, Data Center, and Enterprise Editions</li> <li>Windows 7 Professional (x86 64-bit)</li> <li>Red Hat Enterprise Linux 6.1 Adv (64-bit)</li> <li>VMware ESXi 5.0, KVM and Microsoft Hyper-V (Hyper-V Server 2008 R2 SP1) with Guest VMs of: All above</li> </ul> | SAN+IP , SAN Only, IP Only , SMIA Only, |

## Device Platform & Hardware Support Requirements

The following table lists the versions of Brocade firmware supported in this release. Brocade recommends using the *latest* firmware versions in order to get the greatest benefit from the network and network management.

| Operating System  | Device Type   |
|---|---|
| Network OS v3.0.0, v3.0.0a, v3.0.0b, v3.0.1                     | VDX 8770, 6710, 6720, 6730                          |
| Network OS v2.1 <sup>1</sup> , v2.1.1, v2.1.1a, v2.1.1b         | VDX 6710, 6720, 6730                                |
| Network OS v2.1.1_fuj   | VDX 2730  |
| 2.7.02x, 2.7.03x, 2.8.x, 2.9.x                                  | BigIron RX  |
| 7.1.x, 7.2.x  | FastIron FGS, FGS-STK, FLS, FLS-STK, SuperX         |
| 7.1.x, 7.2.x, 7.3.x, 7.4.x                                      | FastIron CX, FCX-STK, FESX, FWS                     |
| 7.1.x, 7.2.x, 7.3.x, 7.4.x                                      | FastIron SX   |
| 7.3.x, 7.4.x  | FastIron ICX 6610                                   |
| 7.4.x   | FastIron ICX 6430, 6450                             |
| 7.5a  | Brocade 6650  |
| 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4a,b                              | NetIron CES, CER, MLX, XMR, MLXe                    |
| 2.02.10, 2.1.0.x  | Brocade 6910  |
| 12.1.x <sup>2</sup> , 12.2. x <sup>2</sup> , 12.3.x, 12.4, 12.5 | ServerIron ADX                                      |
| 10.2.01x, 11.0.x  | ServerIron  |
| 4.1.x, 4.2.x, 7.3.x, 7.4.x                                      | TurboIron 24X                                       |
| 4.3.1.0, WiNG 5.1, 5.2, 5.3, 5.4                                | Wireless Controllers - RFS 4000, RFS 6000, RFS 7000 |
| 4.1.x, 4.1.01x  | FastIron FES  |

### Footnotes:

<sup>1</sup> Network OS 2.0 is not supported.

<sup>2</sup> 12.1.0f and 12.2.1 are not supported.

| Switch Type SAN Devices – B-Series   |  |
|--|--|
| FOS v5.0.x, v5.1.x, v5.2.x, v5.3.x,<br>v6.0.x, v6.1.x, v6.2.x, v6.3.x,<br>v6.4.x, v7.0.0, v7.0.1, v7.1.0 | Brocade 3900<br>Brocade 3250<br>Brocade 3850<br>Brocade 4100<br>Brocade 7500 <sup>1</sup><br>Brocade 200E<br>Brocade 4900 <sup>2</sup><br>Brocade 5000 <sup>3</sup><br>Brocade AP7600 <sup>4</sup><br>Brocade 300 <sup>5</sup><br>Brocade 5100 <sup>5</sup><br>Brocade 5300 <sup>5</sup><br>Brocade 6505 <sup>13</sup><br>Brocade 6510 <sup>12</sup><br>Brocade 6520 <sup>14</sup><br>Brocade 8000 <sup>9</sup><br>Brocade 12000<br>Brocade 24000<br>Brocade 7800 <sup>10</sup><br>Brocade VA40-FC<br>Brocade Encryption Switch <sup>7</sup><br>Brocade 48000 with FC4-16, FC4-32 and FC4-482 blades<br>Brocade 48000 with FR4-18i <sup>1</sup><br>Brocade 48000 with FC4-16IP <sup>2</sup><br>Brocade 48000 with FC10-6 <sup>4</sup><br>Brocade 48000 with FA4-18<br>Brocade DCX <sup>6</sup> with FC8-16, FC8-32,FA4-18, and FC8-48 blades<br>Brocade DCX <sup>6</sup> with FR4-18i blades<br>Brocade DCX with FC10-6 blades<br>Brocade DCX <sup>7</sup> with FS8-18 blades<br>Brocade DCX <sup>10</sup> with FCoE10-24 blades<br>Brocade DCX <sup>10</sup> with FX8-24 blades<br>Brocade DCX-4S <sup>8</sup> with FC8-16, FC8-32,FA4-18, FC8-48 and FC8-64 blades<br>Brocade DCX <sup>11</sup> with FC8-64 blades<br>Brocade DCX-4S <sup>8</sup> with FR4-18i blades<br>Brocade DCX-4S <sup>8</sup> with FC10-6 blades<br>Brocade DCX-4S <sup>8</sup> with FS8-18 blades<br>Brocade DCX-4S with FA4-18<br>Brocade DCX-4S <sup>10</sup> with FCoE10-24 blades<br>Brocade DCX-4S <sup>10</sup> with FX8-24 blades<br>Brocade DCX-4S <sup>11</sup> with FC8-64 blades<br>Brocade DCX 8510-4 <sup>12</sup> and DCX 8510-8 <sup>12</sup> |

| Switch Type SAN Devices – B-Series |  |
|------------------------------------|--|
|                                    | Brocade DCX 8510-4 <sup>12</sup> and DCX 8510-8 <sup>12</sup> with FC16-32 and FC16-48 blades<br>Brocade DCX 8510-4 <sup>13</sup> and DCX 8510-8 <sup>13</sup> with FC8-32e and FC8-48e blades |

| Blade Type SAN Devices – B-Series  |   |
|--|---|
| FOS v5.2.x, v5.3.x, v6.0.x,<br>v6.1.x, v6.2.x v6.3.x,<br>v6.4.0,v7.0.x, v7.1.0 | Brocade 3014<br>Brocade 3016<br>Brocade 4020<br>Brocade 4016<br>Brocade 4024 <sup>1</sup><br>Brocade 4018<br>Brocade 4012<br>Brocade 4424<br>Brocade 5410 <sup>2</sup><br>Brocade 5450 <sup>2</sup><br>Brocade 5460 <sup>2</sup><br>Brocade 5424 <sup>2</sup><br>Brocade 5470 <sup>2</sup><br>Brocade 5480 <sup>2</sup> |

**Footnotes:**

<sup>1</sup> Requires FOS v5.1.0 or higher

<sup>2</sup> Requires FOS v5.2.0 or higher

<sup>3</sup> Requires FOS v5.2.1 or higher

<sup>4</sup> Requires FOS v5.3.0 or higher

<sup>5</sup> Requires FOS v6.1.0 or higher

<sup>6</sup> Requires FOS v6.0.0 or higher

<sup>7</sup> Requires FOS v6.1.1\_enc or higher

<sup>8</sup> Requires FOS v6.2.0 or higher

<sup>9</sup> Requires FOS v6.1.2\_CEE or higher

<sup>10</sup> Requires FOS v6.3.x or higher

<sup>11</sup> Requires FOS v6.4.0 or higher

<sup>12</sup> Requires FOS v7.0.0 or higher

<sup>13</sup> Requires FOS v7.0.1

<sup>14</sup> Requires FOS v7.1.0



| Adapters Types                        |  |
|---------------------------------------|--|
| 1.1, 2.1.1.0, 2.0, 2.2, 3.0, 3.1, 3.2 | Brocade 415,425,815,825<br>Brocade 804 <sup>1</sup><br>Brocade 1010,1020,1007 <sup>2</sup><br>Brocade 1741 <sup>3</sup><br>Brocade 1860 <sup>4</sup> |

**Footnotes:**

<sup>1</sup> Requires v2.1.1.0 or higher

<sup>2</sup> Requires v2.0 or higher

<sup>3</sup> Requires v2.2 or higher

<sup>4</sup> Requires v3.0 or higher

## Installing Network Advisor

Installation instructions are provided for the following operating systems:

- Microsoft Windows
- Linux

The Network Advisor Server runs as multiple services on Windows and multiple processes on Linux; and they start automatically after installation.

### To install Network Advisor on Windows (Server)

1. Download and extract the zip archive
2. Navigate to the **Windows** folder
3. Execute *install.exe*
4. Follow the instructions to complete the installation.

### To install Network Advisor on Linux (Server)

1. Download and extract the tar.gz archive
2. Navigate to the **Linux** folder.
3. Execute *Install.bin* from the File Manager window.
4. Follow the instructions to complete the installation.

### To launch the Network Advisor Client

- To launch the Network Advisor Client on the same local machine as the Network Advisor Server, launch the client as follows:

Windows: Select Start > Programs > Network Advisor 12.0.0 > Network Advisor 12.0.0

Windows:

- Client can be launched via Desktop icon.
- Launch command prompt and go to the location "<Install location>/bin" and type "dcmclient"

Linux:

- Client can be launched via Desktop icon.
- Launch terminal and go to the location "<Install location>/bin" and type "sh dcmclient"

Windows and Linux: Follow the below steps on launching the client from a web browser.

- To launch the Network Advisor Client from a remote host, launch the client as follows:  
Open a browser window and type the Network Advisor server hostname or IP address in the Address field; for example:

<http://NetworkAdvisorServerhost1.companyname.com/>

<http://192.x.y.z/>

- If when the Network Advisor server was installed, a Network Advisor web server port number was specified (instead of the default 80); you must specify the port number after the hostname or IP address. In the following examples, 8080 is the web server port number:

<http://NetworkAdvisorServerhost1.companyname.com:8080/>

<http://192.x.y.z:8080/>

Please note that the required Client Oracle JRE version has now changed to 1.6.0\_33. For remote clients, this JRE needs to be installed prior to establishing a server connection.

## Important SAN Notes

1. Host based stand-alone SMI agents cannot manage products with Fabric OS v7.0 and above. It requires use of the integrated SMI Agent with Brocade Network Advisor 12.0.0
2. While running diagnostic port test, it is important to note that selecting more than one port from same switch/blade and running diagnosis on them simultaneously might result in failure. It is recommended to choose only one port at a time from any given switch/blade for running the diagnostic port test. Firmware upgrade to Brocade 8000 platform using Brocade Network Advisor will be disruptive to I/O on the Brocade 8000 platform.
3. Supported AG limits are the following: 32 bit OS - max of 40 AGs, 64 bit OS - max of 200 AGs
4. Network Advisor cannot manage an ESXi 5.0 host due to a VMware issue (KB 2012672: SFCB CIMOM on ESXi 5.0 is incompatible with JRE 1.6 U29 and later). The user is hence required to update to ESXi 5.0 update 1 or later to be able to manage the host in Network Advisor through the host adapter discovery.
5. If you see the following error message "Signature could not be validated" during firmware download or technical support data collection (Fabric OS and Network OS devices only) or configuration backup/restore (Network OS devices only) using SCP/SFTP, then it could be due to a mismatch in the signature key used in the ssh handshake between the switch and SCP/SFTP server. Try the following cli command work-around to address the issue:
  - **For Fabric OS devices**  
sw0:FID128:admin> sshutil delknownhost  
  
IP Address/Hostname to be deleted: <IP Address of SSH server to be deleted>
  - **For Network OS devices**  
Firmware version 3.0 and later  
  
sw0# clear ssh-key <IP Address of SSH server to be deleted>
  - **Firmware version 2.1.1b**  
sw0#execute-script sshdeletknownhost  
  
IP Address/Hostname to be deleted: <IP Address of SSH server to be deleted>
6. HCM version 3.2 - Launch in context for a remote Adapter might report client refresh/update issues when there is high latency. This is due to a known issue with JRE 1.7. Work-around: Use a remote client with JRE 1.7 update 10.

7. The Encryption Smart Card Driver is only supported for 32 bit Linux. It is not supported on 64 bit Linux.

## Display of Logical Switches

If you create Logical switches through the Logical Switch dialog box, the Logical switch displays under undiscovered Logical Switch in the existing Logical Switches Panel. You have to rediscover the newly created logical switch fabric, by going to the discovery dialog, and adding the IP address of the chassis using the add dialog.

## Destination columns are blank for Brocade Encryption Switch in top talkers dialog

When the Top Talkers dialog box is launched for the Brocade Encryption Switch, the columns 'Destination, Destination port and Destination switch port are sometimes empty.

## Important IP Notes

### Miscellaneous Important Notes that Apply to IP Installations

1. VDX/VCS Mgmt
  - If VDX switches were discovered as a third party device from IP tab in 11.1.x, and if user migrates to 12.0.0, those products will be dropped after migration. User can rediscover them from IP tab as needed.
  - Adaptive (trap based) collection is not supported. Manual re-discovery and periodic discovery (10 min, 30 min, 60 min respectively for Small, Medium, Large network sizes) are supported.
  - If NOS devices are managed using IPv6 addresses, then Network Advisor is not able to process SNMP traps. Work around is to manage the device via IPv4.
2. Each IP product has a System max value that can be configured for various parameters, such as "ip-filter-sys" for ACLs. Network Advisor deployments do not check whether the payload being sent to the device has a number greater than the system-max value. In such deployment scenarios, the deployment may report success even though the number was limited to the system-max value. To ensure successful deployments, make sure the payload being sent is no greater than System max value.
3. When discovering large MPLS networks with more than 2500 (MPLS services, VLL+VPLS) and 5000 LSPs, the Network Advisor server requires a Windows 64-bit server with 6GB memory.
4. Binding IPv6 ACL to a device port is not supported in 12.0.0 (both read/write). Solution is to use CLI to bind the interface to the IPv6 ACL.
5. NOS device configuration backup will only be collected for the following cases:
  1. Manual Discovery/Rediscovery of the device in standalone mode
  2. In case of VCS cluster, Manual Discovery/Rediscovery of the cluster members
  3. CLI manager configuration deployments
6. Syslog messages will not be received for the VDX 8770 that is configured with different IP addresses for CPs
7. Simplified image upgrade is recommended for NI devices running 5.3 and above.

## IP Address and Detailed Reports

IP Management Ports will not be consistent with the CLI port naming conventions. These are caused by SNMP index and port name inconsistencies. In some cases, Management ports will not be displayed in the reports.

## Boot, Monitor, Firmware Image Updates

Network Advisor does not support boot and firmware upgrade and downgrade for ADX devices running 12.1 or 12.2

Configuration Wizard reports an unsuccessful Unified Image deployment when upgrading from 5.0.00b to 5.0.00d on MLX Devices and 05.0.00d to 05.1.00

Firmware Image Update on FastIron devices using Configuration Wizard using "SCP only" or "SCP then TFTP" results in the corruption of the flash to which image is pushed. Use CLI as workaround.

Firmware Image from a Turbolron device running v7.3, when backed up and deployed to same or another Turbolron device, results in software image corruption on the device.

Firmware IP: Deploying LP monitor image from Network Advisor is downloaded to LP boot location of NetIron MLX running 5.2.00b

## Common Issues for SAN and IP

### Miscellaneous Important Notes that Apply to both SAN and IP Installations

1. 64 bit OS is required to run Network Advisor as a SAN + IP Package
2. M Model switches are unsupported as Seed switch or member switch from 12.0.0.
3. Privileges related to SAN and IP features are prefixed with 'SAN -' and 'IP -' strings. After migration from an older version, new privilege names will be displayed in the Role Management dialog with these prefixes.
4. If a custom AOR without any host included manually is assigned to a defined user, all hosts are displayed in topology to that user. But deleting/updating hosts will not be reflected in topology for that user till the Client is restarted.
5. Network Advisor server startup and restart can take up to 10+ minutes to complete.
6. Authentication: Fall back authentication may not work when LDAP server running on Windows 2008 R2 is used as the primary authentication and local database is the secondary authentication. This is because the error code returned is the same for both invalid credential and user not found.
7. When configuring Brocade Network Advisor in SSL enable mode in application configuration wizard, please ensure that both HTTP and HTTPS ports are free and available for Network Advisor. Currently the application checks only if the HTTPS configured port is available and not the HTTP port.
8. To avoid excessive telnet/ssh login messages in the Network Advisor master log and event report, and the device CLI console, disable lazy polling by un-checking the "Enable lazy polling" checkbox in IP Discovery Global Settings > Preferences Dialog.
9. A message indicating that the digital signature is expired will be displayed when launching a remote client from a server having a lesser JRE version than the JRE 1.7 update 9.
10. In 12.0, the number of client connections supported has increased to 25. Please refer to the installation guide for the details. In addition to those details, the following database memory setting is required:
  1. The PostgreSQL's parameter "shared\_buffers" memory allocation should be increased to 1024MB. [This setting can be done by editing <installation\_directory>\data\databases\postgresql.conf file.]  
**Change following line: shared\_buffers = 256MB**  
**To: shared\_buffers = 1024MB**

2. Server needs to be restarted.

11. In Linux while triggering the server support save, if a space is given in the folder or filename the server support save will fail. The workaround is to avoid the space in the folder or filename.
12. During installation, it is recommended to use the Hostname as the server IP configuration.
13. In Linux 64 bit machines, connecting to the database through Open office using ODBC will not work. Solution is to connect from Windows ODBC Client to the 64 bit Linux machine where Network Advisor is running to view the Database tables.

### **Patch Installer troubleshooting**

Patch installer may not launch if UAC is enabled on a Windows 7/2008/2008R2 Editions. User has to first disable the UAC using the procedure provided in the troubleshooting section of the User Manual and then launch the patch installer.

### **Brocade Domestic and International Call home centers are not supported in 12.0**

### **Support Saves may take a long time with large databases**

As databases grow larger from Event, sFlow, and Performance Collector data, the support save operation may take a long time to run. Larger databases will promote longer support save operations. Make sure you have a minimum of 20GB disk space for support save and backup operations.

### **Installation on Network Mounted Drives is not supported**

Installation onto a windows network mounted drive is not supported but install is allowed and DB fails to start.

### **Client disconnects**

Under heavy server load or degraded network links, there is a potential for Network Advisor client to get disconnected from the server. Work around is to restart the client.

## **SMI Agent**

1. For BNA that has more than 30K instances (2 MB zones), the CIMOM takes more memory to generate CIM instances.

If user performs Enumerate Instances or Enumerate Instances Names and total number of size is more than 2 MB for all managed fabrics, then CIM\_ERROR\_FAILED will be thrown as the "Total Zone DB size is more than 2 MB. For such configuration, User needs to use Association calls

Note: if the total zone DB is more than 1 MB/more than 10000 instances then user should change the max jvm heap size to 2048MB to fetch the data without failure in 64 bit machine

2. SMI alert indication BRCD60 is not sent out to SMI clients if Fabric OS switches are discovered but SNMP trap registration has failed. Ensure that Brocade Network Advisor server is successfully registered for traps on all switches.
3. If DCB switches are running Fabric OS 6.3.x and 6.3.1\_cee, VLAN/ACL deployment through SMI-A will fail. It is required to upgrade the DCB Fabric OS to 6.4.x/6.3.1\_dcb/7.0.X for VLAN/ACL deployment support through SMI Agent.

## **Indications delivery depends on SAN Size and SNMP registration**

The time to deliver the indication will vary based on Network Advisor SAN size selected during installation. If large SAN size is selected, indication delivery time will be longer.

Provider classes may take more time to update the fabric changes if the switches managed in Network Advisor are not SNMP registered. As this would cause a delay in indication delivery, all the switches managed in Network Advisor should be SNMP registered

## **Logging for CIMOM**

The default logging level is "INFO" in integrated Agent. To change the logging level to DEBUG, update the "com.brocade" category value in cimom-log4j.xml file present in <Installation Dir>\conf folder.

The log file size and number of log files also can be changed by modifying the file rolling appender parameters in this cimom-log4j.xml file.

Logging Level, File size and Number of Log files can be changed by modifying the following fields: "Log Level", "File Size" and "Number of Files" from Configuration Tool through CIMOM tab.

## **Service Location Protocol (SLP) support**

The Management application SMI Agent uses Service Location Protocol (SLP) to allow applications to discover the existence, location, and configuration of WBEM services in enterprise networks.

You do not need a WBEM client to use SLP discovery to find a WBEM Server; that is, SLP discovery might already know about the location and capabilities of the WBEM Server to which it wants to send its requests. In such environments, you do not need to start the SLP component of the Management application SMI Agent.

However, in a dynamically changing enterprise network environment, many WBEM clients might choose to use SLP discovery to find the location and capabilities of other WBEM Servers. In such environments, start the SLP component of the Management application SMI Agent to allow advertisement of its existence, location, and capabilities.

SLP installation is optional and you can configure it during Management application configuration. Once installed, SLP starts whenever the Management application SMI Agent starts.

### **Management SMI Agent SLP application support includes the following components:**

- slpd script starts the slpd platform
- slpd program acts as a Service Agent (SA). A different slpd binary executable file exists for UNIX and Windows systems.
- slptool script starts the slptool platform-specific program
- slptool program can be used to verify whether SLP is operating properly or not. A different slptool exists for UNIX and Windows.

By default, the Management application SMI Agent is configured to advertise itself as a Service Agent (SA). The advertised SLP template shows its location (IP address) and the WBEM Services it supports. The default advertised WBEM services show the Management application SMI Agent:

- accepts WBEM requests over HTTP without SSL on TCP port 5988
- accepts WBEM requests over HTTPS using SSL on TCP port 5989

## slptool commands

Use the following slptool commands to verify whether the SLP is operating properly.

- `slptool findsrvs service:service-agent`  
Use this command to verify that the Management application SMI Agent SLP service is properly running as a Service Agent (SA).

Example output: `service:service-agent://127.0.0.1,65535`

- `slptool findsrvs service:wbem`

Use this command to verify that the Management application SMI Agent SLP service is properly advertising its WBEM services.

Example outputs:

`service:wbem:https://10.0.1.3:5989,65535`

`service:wbem:http://10.0.1.3:5988,65535`

This output shows the functionalities of Management application SMI Agent:

- accepts WBEM requests over HTTP using SSL on TCP port 5989
- accepts WBEM requests over HTTP without SSL on TCP port 5988
- `slptool findattrs service:wbem:http://IP_Address:Port`
  - Use this command to verify that Management application SMI Agent SLP service is properly advertising its WBEM SLP template over the HTTP protocol.
  - Example input: `slptool findattrs service:wbem:http://10.0.1.2:5988`
  - Note: Where IP\_Address:Port is the IP address and port number that display when you use the `slptool findsrvs service:wbem` command.
- `slptool findattrs service:wbem:https://IP_Address:Port`
  - Use this command to verify that the Management application SMI Agent SLP service is properly advertising its WBEM SLP template over the HTTPS protocol.
  - Example input: `slptool findattrs service:wbem:https://10.0.1.2:5989`
  - Note: Where IP\_Address:Port is the IP address and port number that display when you use the `slptool findsrvs service:wbem` command.

## SLP on UNIX systems

This section describes how to verify the SLP daemon on UNIX systems.

SLP file locations on UNIX systems:

- SLP log—`Management_Application/cimom /cfg/slp.log`
- SLP daemon—`Management_Application/cimom /cfg/slp.conf`
- The SLP daemon can be reconfigured by modifying,  
SLP register—`Management_Application/cimom /cfg/slp.reg`

You can statically register an application that does not dynamically register with SLP using SLPAPIs by modifying this file. For more information about these files, read the comments contained in them, or refer to <http://www.openslp.org/doc/html/UsersGuide/index.html>

Verifying SLP service installation and operation on UNIX systems:

1. Open a command window.

2. Type `% su root` and press Enter to become the root user.
3. Type `# Management_Application/cimom/bin/slptool findsrvs service:service-agent` and press Enter to verify the SLP service is running as a Service Agent (SA).
4. Type `# < Management_Application >/cimom/bin/slptool findsrvs service:wbem` and press Enter to verify the SLP service is advertising its WBEM services.
5. Choose one of the following options to verify the SLP service is advertising the WBEM SLP template over its configured client protocol adapters.
  - Type `# Management_Application/cimom /bin/slptool findattr service:wbem:http://IP_Address:Port` and press Enter.
  - Type `# Management_Application/cimom /bin/slptool findattr service:wbem:https://IP_Address:Port` and press Enter.

Note: Where IP\_Address:Port is the IP address and port number that display when you use the `slptool findsrvs service:wbem` command.

## SLP on Windows systems

This section describes how to verify the SLP daemon on Windows systems.

SLP file locations:

- SLP log—`Management_Application\cimom \cfg\slp.log`
- SLP daemon—`Management_Application\cimom\cfg\slp.conf`  
The SLP daemon can be reconfigure the by modifying this file.
- SLP register—`Management_Application\cimom\cfg\slp.reg`  
statically register an application that does not dynamically register with SLP using SLPAPIs by modifying this file. For more information about these files, read the comments contained in them, or refer to <http://www.openslp.org/doc/html/UsersGuide/index.html>

Verifying SLP service installation and operation on Windows systems:

1. Launch the Server Management Console from the Start menu.
2. Click Start to start the SLP service.
3. Open a command window.
4. Type `cd c:\Management_Application\cimom \bin` and press Enter to change to the directory where `slpd.bat` is located.
5. Type `> slptool findsrvs service:service-agent` and press Enter to verify the SLP service is running as a Service Agent.
6. Type `> slptool findsrvs service:wbem` and press Enter to verify the SLP service is advertising its WBEM services.
7. Choose one of the following options to verify the SLP service is advertising the WBEM SLP template over its configured client protocol adapters.
  - Type `> slptool findattr service:wbem:http://IP_Address:Port` and press Enter.
  - Type `> slptool findattr service:wbem:https://IP_Address:Port` and press Enter.

Note: Where IP\_Address:Port is the IP address and port number that display when you use the `slptool findsrvs service:wbem` command.



## **Enumeration issue with Brocade 8000 running on Fabric OS 6.3.x or lower**

Enumeration instance fails for the following classes:

Brocade\_EthernetPortLANEndPoint, Brocade\_EthernetAdminDomainHostedLanEndPoint,  
Brocade\_EndpointOfNetworkPipe, Brocade\_EthernetSwitchHostedLANEndPoint,  
Brocade\_InEthernetLogicalNetwork, Brocade\_LANEndpoint, Brocade\_PlatformHostedLANEndPoint

When Brocade Network Advisor manages a Brocade 8000 running on Fabric OS 6.3.x or lower, connected to FDMI enabled CNA.

## **Instance class key property with special character**

Getinstance operation fails if the key property value contains semicolon or non printable character.

## **Getinstance operation on Brocade\_Ethernetport for Fabric OS 6.1.2\_CEE**

Brocade\_Ethernetport information could not be fetched through Getinstance operation if CEE switch runs on Fabric OS 6.1.2\_CEE

## **FC port type value for imported HBA's**

Brocade\_topologyview.AntecedentFCPortType property value corresponding to the imported HBA is shown as L-port.

## Defects

### Open Defects in Brocade Network Advisor 12.0.0

This section lists defects with High and Medium Technical Severity open in Network Advisor 12.0.0 as of 5:00 PM on December 18, 2012. While these defects are still formally “open,” they are unlikely to impede Brocade customers in their deployment of Network Advisor 12.0.0 and have been deferred to a later release.

None of these defects have the requisite combination of probability and severity to cause significant concern to Brocade customers. Note that when a workaround to an issue is available, it is provided; otherwise, no recommended workaround is available at this time.

|  |                                       |
|--|---------------------------------------|
| <b>Defect ID:</b> DEFECT000363760  | <b>Technical Severity:</b> High       |
| <b>Summary:</b> Failed to deploy Extended L3 ACL with protocol as IP and ICMP for FastIron, TurboIron, and ServerIron devices. |                                       |
| <b>Symptom:</b> ACL configuration deployment fails for indicated configurations  |                                       |
| <b>Feature:</b> Security Management (Unified)  | <b>Function:</b> L3 ACL Configuration |
| <b>Reported In Release:</b> Network Advisor11.2.0  | <b>Probability:</b> Low               |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000431057  | <b>Technical Severity:</b> High   |
| <b>Summary:</b> Zone aliases for a few storage devices are not displayed in the Topology view  |                                   |
| <b>Symptom:</b> Zone aliases are not reported in the topology when navigating through different views.   |                                   |
| <b>Workaround:</b> Anyone of the below Workaround should help:<br>1) Restart the client.<br>2) Look at Zoning Dialog for the same<br>3) Look at Properties Dialog for the same |                                   |
| <b>Feature:</b> Client   | <b>Function:</b> Client Framework |
| <b>Service Request ID:</b> 1034977   |                                   |
| <b>Reported In Release:</b> Network Advisor11.1.4  | <b>Probability:</b> Low           |

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000412627   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> If non-default http port is configured for Web Server, element manager launch fails for FastIron and NetIron devices. |                                   |
| <b>Symptom:</b> Element Manager launch (Front Panel/web) fails and an 'unable to connect' message is seen on the web browser.         |                                   |
| <b>Feature:</b> Web Element Manager Proxy (IP)  |                                   |
| <b>Service Request ID:</b> 757175   |                                   |
| <b>Reported In Release:</b> Network Advisor11.2.1   | <b>Probability:</b> Medium        |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000430666  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Network Advisor does not allow vpls max-mac parameter larger than 4 digits |                                   |
| <b>Symptom:</b> User will not retrieve the MAC-LIMIT value when it has more than 4 digits. |                                   |
| <b>Feature:</b> MPLS Manager   | <b>Function:</b> USABILITY        |
| <b>Service Request ID:</b> 1099629   |                                   |
| <b>Reported In Release:</b> Network Advisor11.3.0  | <b>Probability:</b> High          |

|   |                                      |
|---|--------------------------------------|
| <b>Defect ID:</b> DEFECT000346054   | <b>Technical Severity:</b> Medium    |
| <b>Summary:</b> Scalability: Unable to accept the changes for the fabric when some hosts and targets go offline |                                      |
| <b>Symptom:</b> Not able to accept the changes that have happened in the Fabric.                                |                                      |
| <b>Workaround:</b> Restart the client.  |                                      |
| <b>Feature:</b> DISCOVERY   | <b>Function:</b> SAN Asset Discovery |

|   |                            |
|---|----------------------------|
| <b>Reported In Release:</b> Network Advisor11.1.0 | <b>Probability:</b> Medium |
|---|----------------------------|

|  |   |
|--|---|
| <b>Defect ID:</b> DEFECT000377135  | <b>Technical Severity:</b> Medium         |
| <b>Summary:</b> Network Advisor is unable to retrieve the configuration from FGS |   |
| <b>Symptom:</b> Configuration backup fails                                       |   |
| <b>Workaround:</b> Use manual means to backup the configuration. CLI / TFTP etc. |   |
| <b>Feature:</b> Change Manager (IP)  | <b>Function:</b> CONFIGURATION REPOSITORY |
| <b>Service Request ID:</b> 682873  |   |
| <b>Reported In Release:</b> Network Advisor11.1.1                                | <b>Probability:</b> Low                   |

|   |  |
|---|--|
| <b>Defect ID:</b> DEFECT000385949   | <b>Technical Severity:</b> Medium          |
| <b>Summary:</b> SNTP deployment fails for NetIron and BigIron devices.  |  |
| <b>Symptom:</b> Network Advisor reports a partial failure when deploying SNTP config to NetIron and BigIron devices using Configuration Wizard. |  |
| <b>Workaround:</b> Use CLI Configuration Manager for deployment.  |  |
| <b>Feature:</b> Configuration Management (IP)   | <b>Function:</b> IP - Configuration Wizard |
| <b>Service Request ID:</b> 693301   |  |
| <b>Reported In Release:</b> Network Advisor11.2.0   | <b>Probability:</b> Low                    |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000405317  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Due to Cipher Vulnerabilities in Network Advisor, security scan reports several weak and null ciphers. |                                   |
| <b>Symptom:</b> Security scan finds several weak ciphers and a few null ciphers.                                       |                                   |
| <b>Feature:</b> Encryption   | <b>Function:</b> ENHANCEMENT      |
| <b>Service Request ID:</b> 738133  |                                   |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Probability:</b> High          |

|  |                                       |
|--|---------------------------------------|
| <b>Defect ID:</b> DEFECT000341007  | <b>Technical Severity:</b> Medium     |
| <b>Summary:</b> ACL deployment status message reports success even though a portion of the access lists failed to get configured.                        |                                       |
| <b>Symptom:</b> In case of large ACL deployments, it may appear to be successful though on the device some of the access lists have not been configured. |                                       |
| <b>Workaround:</b> Deploy ACLs in small batches.   |                                       |
| <b>Feature:</b> Security Management (Unified)  | <b>Function:</b> L3 ACL Configuration |
| <b>Reported In Release:</b> Network Advisor11.1.0  | <b>Probability:</b> Low               |

|   |                                       |
|---|---------------------------------------|
| <b>Defect ID:</b> DEFECT000347553   | <b>Technical Severity:</b> Medium     |
| <b>Summary:</b> Warning message is not displayed if a duplicate extended ACL is created and moved to ACL entries table in the Edit - L3 ACL configuration dialog. |                                       |
| <b>Symptom:</b> The 'ACL Entry already exists' warning message will not be displayed for the first duplicate ACL that is created and moved to ACL entries table.  |                                       |
| <b>Workaround:</b> use CLI  |                                       |
| <b>Feature:</b> Security Management (Unified)   | <b>Function:</b> L3 ACL Configuration |
| <b>Reported In Release:</b> Network Advisor11.1.0   | <b>Probability:</b> Low               |

|  |   |
|--|---|
| <b>Defect ID:</b> DEFECT000360568  | <b>Technical Severity:</b> Medium         |
| <b>Summary:</b> Network Advisor failed to retrieve config with Error InvalidatedDeviceGlobalPasswordException  |   |
| <b>Symptom:</b> Error occurs while saving configuration on NetIron or FastIron devices configured with "super-user" enabled and "no snmp-server pw-check". |   |
| <b>Workaround:</b> User has to update the correct "super-user password" in Network Advisor   |   |
| <b>Feature:</b> Change Manager (IP)  | <b>Function:</b> CONFIGURATION REPOSITORY |
| <b>Service Request ID:</b> 635789  |   |

|   |                            |
|---|----------------------------|
| <b>Reported In Release:</b> Network Advisor11.1.0 | <b>Probability:</b> Medium |
|---|----------------------------|

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000363082   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> When user enables a TI zone and enables the new effective config, TI zone with an invalid member is shown as deactivated. |                                   |
| <b>Symptom:</b> Active TI zone is displayed as inactive in Zoning dialog.   |                                   |
| <b>Feature:</b> ZONING  | <b>Function:</b> TI Zones         |
| <b>Service Request ID:</b> 640381   |                                   |
| <b>Reported In Release:</b> DCFM10.4.0  | <b>Probability:</b> Medium        |

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000377635   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Unable to deploy LP Boot and monitor image for the BigIron RX                                 |                                   |
| <b>Symptom:</b> User will not be able to push the LP boot and monitor images to the BigIron RX                |                                   |
| <b>Workaround:</b> Use the unified image update option to push the boot and monitor image for the BigIron RX. |                                   |
| <b>Feature:</b> FIRMWARE MANAGEMENT (IP)  | <b>Function:</b> FIRMWARE DOWLOAD |
| <b>Reported In Release:</b> Network Advisor11.2.1   | <b>Probability:</b> Low           |

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000386594   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Firmware download for the Fabric OS devices using external windows SCP server fails when the user name is configured as domain\username |                                   |
| <b>Symptom:</b> When the user name is configured as domain\username, firmware download will fail with the windows based external SCP servers.           |                                   |
| <b>Workaround:</b> Use domain@username instead of domain\username for the SCP server  |                                   |
| <b>Feature:</b> FIRMWARE MANAGEMENT   | <b>Function:</b> FIRMWARE DOWLOAD |
| <b>Reported In Release:</b> Network Advisor11.2.1   | <b>Probability:</b> Medium        |

|  |                                      |
|--|--------------------------------------|
| <b>Defect ID:</b> DEFECT000386991  | <b>Technical Severity:</b> Medium    |
| <b>Summary:</b> Management port information is missing in Physical Port realtime Report for the FastIron and TurboIron devices |                                      |
| <b>Symptom:</b> The user will not be able to view the management port information in the Physical port Report                  |                                      |
| <b>Feature:</b> DISCOVERY (IP)   | <b>Function:</b> IP Discovery Dialog |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Probability:</b> Medium           |

|  |                                       |
|--|---------------------------------------|
| <b>Defect ID:</b> DEFECT000388196  | <b>Technical Severity:</b> Medium     |
| <b>Summary:</b> Loopback interfaces are not shown in Detailed reports for FESX             |                                       |
| <b>Symptom:</b> In the detailed reports user cannot see the loopback interfaces configured |                                       |
| <b>Feature:</b> DISCOVERY (IP)   | <b>Function:</b> IP Discovery Service |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Probability:</b> Medium            |

|  |  |
|--|--|
| <b>Defect ID:</b> DEFECT000389083  | <b>Technical Severity:</b> Medium          |
| <b>Summary:</b> Unable to deploy Boot Sequence with more than one boot option to ICX6430   |  |
| <b>Symptom:</b> When user tries to deploy more than one boot option for the Boot Sequence Payload Configuration, like Primary and TFTP, the status returns Partially Failed. |  |
| <b>Workaround:</b> use the default one.  |  |
| <b>Feature:</b> Configuration Management (IP)  | <b>Function:</b> IP - Configuration Wizard |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Probability:</b> Low                    |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000405034  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Image backup fails for ICX 6450/6430 devices running FastIron v7.4 firmware. |                                   |
| <b>Symptom:</b> Software Images tab will have no backed up images for ICX 6450/6430.         |                                   |
| <b>Workaround:</b> Use CLI to back up the images.  |                                   |
| <b>Feature:</b> FIRMWARE MANAGEMENT (IP)   | <b>Function:</b> USABILITY        |

|   |                         |
|---|-------------------------|
| <b>Reported In Release:</b> Network Advisor11.3.0 | <b>Probability:</b> Low |
|---|-------------------------|

## Closed with Code Change in Brocade Network Advisor 12.0.0

This section lists the defects closed with a code change in Network Advisor 12.0.0 as of 5:00 PM on December 18, 2012.

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000311829   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> The port numbers are overlapping to each other when “Link Information Visibility” is enabled in Options Dialog in L2/IP/VLAN Topology for multiple connections and trunk connections. |                                   |
| <b>Symptom:</b> Customer cannot understand the port numbers.  |                                   |
| <b>Workaround:</b> Port number interpretation is not easily visible   |                                   |
| <b>Risk of Fix:</b> Low   | <b>Probability:</b> Low           |
| <b>Feature:</b> Client  | <b>Function:</b> IP TOPOLOGY      |
| <b>Reported In Release:</b> Network Advisor11.0.0   |                                   |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000333304  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> In Network Objects view, for a user with a dynamic product group AOR, product is displayed under properties of static product group, though it got removed from dynamic product group. |                                   |
| <b>Symptom:</b> User is able to see the properties of a device through the static product group properties, which has been removed from an AOR.  |                                   |
| <b>Workaround:</b> The workaround is to re-login into the client.  |                                   |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> Low           |
| <b>Feature:</b> DISCOVERY (IP)   | <b>Function:</b> ENHANCEMENT      |
| <b>Reported In Release:</b> Network Advisor11.1.0  |                                   |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000335755  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Topology shows the loop device as imported even after removing the loop device from LSAN zone. |                                   |
| <b>Symptom:</b> User will see the imported loop devices in topology even after removing them from LSAN Zone    |                                   |
| <b>Risk of Fix:</b> Medium   | <b>Probability:</b> Medium        |
| <b>Feature:</b> Client   | <b>Function:</b> SAN TOPOLOGY     |
| <b>Reported In Release:</b> Network Advisor11.1.0  |                                   |

|   |                                   |
|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000349396   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Cannot disable MSTP on a port level for an MSTP non-instance 0. |                                   |
| <b>Symptom:</b> Cannot disable MSTP.  |                                   |
| <b>Workaround:</b> use element manager.   |                                   |
| <b>Risk of Fix:</b> Low   | <b>Probability:</b> Low           |
| <b>Feature:</b> VLAN Management   | <b>Function:</b> STP              |
| <b>Reported In Release:</b> Network Advisor11.1.0                               |                                   |

|  |                                   |
|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000367907  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Key vault generated by Network Advisor cannot be de-registered from CLI. |                                   |
| <b>Symptom:</b> When user tries to de-register the keyvault from CLI, operation fails.   |                                   |
| <b>Workaround:</b> Use double quotes around the label in CLI during deregistration.      |                                   |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> Low           |
| <b>Feature:</b> Encryption   | <b>Function:</b> CONFIGURATION    |
| <b>Reported In Release:</b> Network Advisor11.2.0  | <b>Service Request ID:</b> 664659 |

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>Defect ID:</b> DEFECT000369202 | <b>Technical Severity:</b> Medium |
|-----------------------------------|-----------------------------------|

|  |                                       |
|--|---------------------------------------|
| <b>Summary:</b> SAN discovery fails with an incorrect error message when user tries to discover an SSL-enabled switch, without enabling the SSL option in Network Advisor. |                                       |
| <b>Symptom:</b> SAN discovery fails with the error message - "Authentication failure during discovery operation: 403"  |                                       |
| <b>Workaround:</b> Enable the SSL option in the "Product Communication" tab of the Option sdialog of Network Advisor.  |                                       |
| <b>Risk of Fix:</b> Medium   | <b>Probability:</b> Medium            |
| <b>Feature:</b> DISCOVERY  | <b>Function:</b> SAN Switch Discovery |
| <b>Reported In Release:</b> Network Advisor11.1.3  |                                       |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000382677                                | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Customer cannot install HP Branded SCOM package  |                                   |
| <b>Symptom:</b> User will not be able to install HP branded SCOM |                                   |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> Low           |
| <b>Feature:</b> SCOM Plugin                                      | <b>Function:</b> Management Pack  |
| <b>Reported In Release:</b> Network Advisor11.1.1                | <b>Service Request ID:</b> 696609 |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000385204   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> In the Port Optics dialog, the table cannot be sorted by 'Tx Power' or 'Rx Power' columns.  |                                   |
| <b>Symptom:</b> User cannot sort the Port Optics table by clicking on specific columns such as Rx/Tx Power. |                                   |
| <b>Risk of Fix:</b> Low   | <b>Probability:</b> Medium        |
| <b>Feature:</b> Port Optics   | <b>Function:</b> ENHANCEMENT      |
| <b>Reported In Release:</b> Network Advisor11.1.0   | <b>Service Request ID:</b> 702053 |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000404274  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> The local LIC client logs (when client is launched through the SMI-A configuration tool) are not collected when support save operation is triggered from Server Console. |                                   |
| <b>Symptom:</b> User will not see any log information related to LIC through SMI-A configuration tool in when technical support save collection is triggered from Server Console.        |                                   |
| <b>Workaround:</b> Manually copy client.log file along with client supportsave which is generated at the time of LIC client launch.  |                                   |
| <b>Risk of Fix:</b> High   | <b>Probability:</b> Low           |
| <b>Feature:</b> Technical Support  | <b>Function:</b> Support Save     |
| <b>Reported In Release:</b> Network Advisor11.1.1  |                                   |

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| <b>Defect ID:</b> DEFECT000405046  | <b>Technical Severity:</b> Medium            |
| <b>Summary:</b> Customizations made to columns in the Diagnostics Results/Avg Round Trip Delay dialog of the L2 Traceroute dialog are not persisted. |  |
| <b>Symptom:</b> The column customizations are lost and not persisted.  |  |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> High                     |
| <b>Feature:</b> Trouble Shooting & Diagnostics   | <b>Function:</b> Ethernet Fabric Diagnostics |
| <b>Reported In Release:</b> Network Advisor11.3.0  |  |

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|---|------------------------------------|
| <b>Defect ID:</b> DEFECT000406436   | <b>Technical Severity:</b> Medium  |
| <b>Summary:</b> On NetIron MLX devices, L3 ACL value is shown as '0' in port configuration dialog when ipv6 access list is assigned to ports. |                                    |
| <b>Symptom:</b> When IPv6 L3 ACL is bound to any interface on a NetIron 5.4 device, ACL value is shown as '0'.                                |                                    |
| <b>Risk of Fix:</b> Medium  | <b>Probability:</b> Low            |
| <b>Feature:</b> ACL Manager-L3  | <b>Function:</b> ACL Configuration |
| <b>Reported In Release:</b> Network Advisor11.3.0   |                                    |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000409100  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Cannot set port priority in excess of 240 for ServerIron ports when selected along with other non- |                                   |

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| ServerIron IOS products.   |                         |
| <b>Symptom:</b> User will not be able to configure port priority above 240 for ServerIron products.                                |                         |
| <b>Workaround:</b> Select ServerIron products only (and not other non-ServerIron IOS products) to set the port priority above 240. |                         |
| <b>Risk of Fix:</b> Medium   | <b>Probability:</b> Low |
| <b>Feature:</b> VLAN Management  | <b>Function:</b> STP    |
| <b>Reported In Release:</b> Network Advisor11.3.0  |                         |

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| <b>Defect ID:</b> DEFECT000412643  | <b>Technical Severity:</b> High                |
| <b>Summary:</b> TRILL links are not displayed between Brocade 6730 running v2.1.1x and other NOS platforms if the ISLs are connected to the first eight (or sixteen in the case of Brocade 6730-64) Ten GigB Ethernet ports. |  |
| <b>Symptom:</b> The TRILL links do not appear in ethernet fabric topology.   |  |
| <b>Workaround:</b> Connect the ISLs on ports greater than 8 or upgrade the device firmware to 3.0.   |  |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> Low                        |
| <b>Feature:</b> DISCOVERY (IP)   | <b>Function:</b> IP Adaptive Discovery Service |
| <b>Reported In Release:</b> Network Advisor11.3.0  |  |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000412654  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> User Documentation incorrectly states that SAN-only 'Large' configuration is not supported on 32-bit OS. |                                   |
| <b>Symptom:</b> SAN-only 'Large' configuration is supported on a 32-bit OS.  |                                   |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> High          |
| <b>Feature:</b> Option Dialog  | <b>Function:</b> HELP             |
| <b>Reported In Release:</b> Network Advisor11.3.0  |                                   |

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|---|--|
| <b>Defect ID:</b> DEFECT000412798   | <b>Technical Severity:</b> Medium              |
| <b>Summary:</b> Changes to L2 links are not updated in topology view when devices are re-discovered using profile-based discovery.      |  |
| <b>Symptom:</b> Changes to L2 topology will not be reflected if the user performs profile-based re-discovery.                           |  |
| <b>Workaround:</b> Updates happen immediately if user does a manual re-discovery or after he has waited till the next asset collection. |  |
| <b>Risk of Fix:</b> Medium  | <b>Probability:</b> Low                        |
| <b>Feature:</b> DISCOVERY (IP)  | <b>Function:</b> IP Adaptive Discovery Service |
| <b>Reported In Release:</b> Network Advisor11.3.0   |  |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000420203   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Network Advisor client hangs during logical switch configuration                  |                                   |
| <b>Symptom:</b> Client hangs if ports are moved from multiple FID's belonging to different slots. |                                   |
| <b>Workaround:</b> Move ports from one slot at a time.  |                                   |
| <b>Risk of Fix:</b> Medium  | <b>Probability:</b> High          |
| <b>Feature:</b> Virtual Fabrics   | <b>Function:</b> USABILITY        |
| <b>Reported In Release:</b> Network Advisor11.1.4   |                                   |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000421856  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Network Advisor login through RADIUS requires two tries                    |                                   |
| <b>Symptom:</b> User will not be able to login in the first try with RADIUS authentication |                                   |
| <b>Risk of Fix:</b> Medium   | <b>Probability:</b> High          |
| <b>Feature:</b> RBAC   | <b>Function:</b> User Management  |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Service Request ID:</b> 862573 |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000421915   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Network Advisor client hangs for operations performed in Product tree                       |                                   |
| <b>Symptom:</b> Client hangs and user is blocked to proceed until the client session is terminated manually |                                   |
| <b>Risk of Fix:</b> Low   | <b>Probability:</b> High          |
| <b>Feature:</b> Client  | <b>Function:</b> USABILITY        |
| <b>Reported In Release:</b> Network Advisor11.1.4   |                                   |

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| <b>Defect ID:</b> DEFECT000425944  | <b>Technical Severity:</b> Medium   |
| <b>Summary:</b> Scheduled Network Advisor Server Backup doesn't work after first run on non-English OS |                                     |
| <b>Symptom:</b> Periodic scheduled backup is not working.  |                                     |
| <b>Workaround:</b> Do a manual backup.   |                                     |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> Low             |
| <b>Feature:</b> Backup and Restore   | <b>Function:</b> Backup and Restore |
| <b>Reported In Release:</b> Network Advisor11.2.1  | <b>Service Request ID:</b> 1027481  |

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|---|------------------------------------|
| <b>Defect ID:</b> DEFECT000429303   | <b>Technical Severity:</b> High    |
| <b>Summary:</b> Master log description contains word "FICON " though its a non-FICON device |                                    |
| <b>Symptom:</b> The user will be mislead as its not FICON device.                           |                                    |
| <b>Risk of Fix:</b> Low   |                                    |
| <b>Feature:</b> FAULT MANAGEMENT  | <b>Function:</b> Event Processing  |
| <b>Reported In Release:</b> Network Advisor11.2.0   | <b>Service Request ID:</b> 1084361 |

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|--|------------------------------------|
| <b>Defect ID:</b> DEFECT000429395  | <b>Technical Severity:</b> Medium  |
| <b>Summary:</b> The active (Occupied) VE ports are not displayed in the main Network Advisor display (F9/View All) |                                    |
| <b>Symptom:</b> The user will not be able to view the active VE ports in product tree.                             |                                    |
| <b>Risk of Fix:</b> Low  | <b>Probability:</b> High           |
| <b>Feature:</b> Option Dialog  | <b>Function:</b> UNDETERMINED      |
| <b>Reported In Release:</b> Network Advisor11.3.0  | <b>Service Request ID:</b> 1105980 |

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|--|---------------------------------------|
| <b>Defect ID:</b> DEFECT000430644  | <b>Technical Severity:</b> Medium     |
| <b>Summary:</b> When VDX switch IP address becomes 0.0.0.0, Network Advisor is not able to delete the fabric from the discovery dialog |                                       |
| <b>Symptom:</b> Unable to delete or rediscover the NOS device with IP address 0.0.0.0  |                                       |
| <b>Risk of Fix:</b> Medium   | <b>Probability:</b> Medium            |
| <b>Feature:</b> DISCOVERY  | <b>Function:</b> IP Discovery Service |
| <b>Reported In Release:</b> Network Advisor11.3.0  | <b>Service Request ID:</b> 1107528    |

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|---|------------------------------------|
| <b>Defect ID:</b> DEFECT000431233   | <b>Technical Severity:</b> Medium  |
| <b>Summary:</b> Incorrect switch name appears in the properties tab for a given port. |                                    |
| <b>Symptom:</b> User will be mislead with incorrect switch name in properties tab.    |                                    |
| <b>Risk of Fix:</b> Medium  | <b>Probability:</b> Medium         |
| <b>Feature:</b> Client  | <b>Function:</b> Client Framework  |
| <b>Reported In Release:</b> Network Advisor11.2.1                                     | <b>Service Request ID:</b> 1102067 |



## Closed without Code Change in Brocade Network Advisor 12.0.0

This section lists the defects closed without a code change in Network Advisor 12.0.0 as of 5:00 PM on December 18, 2012.

|  |                                 |
|--|---------------------------------|
| <b>Defect ID:</b> DEFECT000367236  | <b>Technical Severity:</b> High |
| <b>Summary:</b> Boot and monitor Image download to NetIron MLX LP shows successful, but the images are not updated when MLX is running firmware 5.1c |                                 |
| <b>Symptom:</b> User cannot upgrade LP boot/monitor images to the NetIron device.  |                                 |
| <b>Workaround:</b> Use CLI.  |                                 |
| <b>Reason Code:</b> Already Fixed in Release   | <b>Probability:</b> Low         |
| <b>Feature:</b> FIRMWARE MANAGEMENT (IP)   | <b>Function:</b> USABILITY      |
| <b>Reported In Release:</b> Network Advisor11.2.0  |                                 |

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|---|---------------------------------------|
| <b>Defect ID:</b> DEFECT000404727   | <b>Technical Severity:</b> High       |
| <b>Summary:</b> On Network Advisor installation with a 'small' IP network size, VLAN data collection does not happen. |                                       |
| <b>Symptom:</b> The user does not see updates to VLANs reflected in the application.                                  |                                       |
| <b>Workaround:</b> Change the IP network size to 'Medium'.  |                                       |
| <b>Reason Code:</b> Already Fixed in Release  | <b>Probability:</b> Low               |
| <b>Feature:</b> DISCOVERY (IP)  | <b>Function:</b> IP Discovery Service |
| <b>Reported In Release:</b> Network Advisor11.3.0   |                                       |

|   |                                 |
|---|---------------------------------|
| <b>Defect ID:</b> DEFECT000406410   | <b>Technical Severity:</b> High |
| <b>Summary:</b> L2 links between a 8770 chassis and other IOS devices are not displayed in L2 Topology. |                                 |
| <b>Symptom:</b> User will not see any L2 links between 8770 and other IOS devices.                      |                                 |
| <b>Reason Code:</b> Already Fixed in Release  | <b>Probability:</b> Low         |
| <b>Feature:</b> DISCOVERY (IP)  | <b>Function:</b> Topo Service   |
| <b>Reported In Release:</b> Network Advisor11.3.0   |                                 |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000303428   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Unable to sort "Initiator port" column in Encryption Center disk LUN view |                                   |
| <b>Symptom:</b> Sorting does not work.  |                                   |
| <b>Reason Code:</b> Will Not Fix  | <b>Probability:</b> Medium        |
| <b>Feature:</b> Encryption  | <b>Function:</b> CONFIGURATION    |
| <b>Reported In Release:</b> DCFM10.4.2  |                                   |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000344338   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Dashboard event count was observed to be inconsistent and inaccurate for 10 million plus events for up to two hours after server restart. |                                   |
| <b>Symptom:</b> After server restart, Dashboard event count will be inaccurate but over time corrects itself.   |                                   |
| <b>Reason Code:</b> Will Not Fix  | <b>Probability:</b> Medium        |
| <b>Feature:</b> DISCOVERY (IP)  | <b>Function:</b> ENHANCEMENT      |
| <b>Reported In Release:</b> Network Advisor11.1.0   |                                   |

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|---|-----------------------------------|
| <b>Defect ID:</b> DEFECT000347318   | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> EGM license is not getting updated for the Brocade 8470 device even after re-discovering the device.                |                                   |
| <b>Symptom:</b> Device is restricted from collecting supportsave for a group of devices by showing the EGM license warning message. |                                   |
| <b>Workaround:</b> The device without EGM license can alone be moved to the RHS of the technical support dialog                     |                                   |

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| and we can take support save to that switch alone( without moving any other switches in the RHS) |                               |
| <b>Reason Code:</b> Not Reproducible   | <b>Probability:</b> Medium    |
| <b>Feature:</b> Technical Support  | <b>Function:</b> Support Save |
| <b>Reported In Release:</b> Network Advisor11.1.0  |                               |

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|---|-------------------------------------|
| <b>Defect ID:</b> DEFECT000362778   | <b>Technical Severity:</b> Medium   |
| <b>Summary:</b> Restore operation fails with Network Advisor supportSave which was captured when the database server was down.        |                                     |
| <b>Symptom:</b> User will not be able to restore the server with the captured supportsave.  |                                     |
| <b>Workaround:</b> Copy the contents of "<support save location>\db" to "<install location>\data\databases" and restart the services. |                                     |
| <b>Reason Code:</b> Already Fixed in Release  | <b>Probability:</b> Low             |
| <b>Feature:</b> Backup and Restore  | <b>Function:</b> Backup and Restore |
| <b>Reported In Release:</b> Network Advisor11.1.2   |                                     |

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|--|-----------------------------------|
| <b>Defect ID:</b> DEFECT000381680  | <b>Technical Severity:</b> Medium |
| <b>Summary:</b> Firmware downgrade from v7.0.1 to v6.4.2 is reported as success though the operation fails in the switch |                                   |
| <b>Symptom:</b> Unable to downgrade the firmware from 7.0.1 to 6.4.2 using Network Advisor                               |                                   |
| <b>Reason Code:</b> Will Not Fix   | <b>Probability:</b> Medium        |
| <b>Feature:</b> FIRMWARE MANAGEMENT  | <b>Function:</b> FIRMWARE DOWLOAD |
| <b>Reported In Release:</b> Network Advisor11.2.1  |                                   |

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|--|---------------------------------------|
| <b>Defect ID:</b> DEFECT000383883  | <b>Technical Severity:</b> Medium     |
| <b>Summary:</b> Event action is not triggered for the corresponding port when SNMP trap is generated for FC Port Level events. |                                       |
| <b>Symptom:</b> Port event action is not triggered for corresponding port.   |                                       |
| <b>Reason Code:</b> Already Fixed in Release   | <b>Probability:</b> Medium            |
| <b>Feature:</b> FAULT MANAGEMENT   | <b>Function:</b> Custom Event Reports |
| <b>Reported In Release:</b> Network Advisor11.2.1  |                                       |

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|--|------------------------------------|
| <b>Defect ID:</b> DEFECT000420202  | <b>Technical Severity:</b> Medium  |
| <b>Summary:</b> Historical Performance Graph gives message "No data points found for selection" after upgrade. |                                    |
| <b>Symptom:</b> Historical Performance data cannot be collected after upgrade                                  |                                    |
| <b>Reason Code:</b> Not Applicable   | <b>Probability:</b> Medium         |
| <b>Feature:</b> Performance Management   | <b>Function:</b> Historical Graph  |
| <b>Reported In Release:</b> Network Advisor11.1.4  | <b>Service Request ID:</b> 1033868 |

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|--|--|
| <b>Defect ID:</b> DEFECT000422766  | <b>Technical Severity:</b> Medium          |
| <b>Summary:</b> After upgrading from Network Advisor 11.1.1 to 11.1.4; Radius users can no longer log in |  |
| <b>Symptom:</b> Radius user will not be able to login into Network Advisor                               |  |
| <b>Reason Code:</b> Already Fixed in Release   | <b>Probability:</b> Medium                 |
| <b>Feature:</b> RBAC   | <b>Function:</b> User Management           |
| <b>Reported In Release:</b> Network Advisor11.1.4  | <b>Service Request ID:</b> 771959, 1085042 |