IBM System Storage®

IBM Network Advisor v12.4.3 Release Notes

CONTENTS

Release overview

IBM Network Advisor 12.4.3 is a software maintenance release based on IBM Network Advisor 12.4.2. All hardware platforms and features supported in IBM Network Advisor 12.4.2 are supported in 12.4.3. This release supports key FC SAN features including support for Fabric OS 7.4 and enhancements to Reporting, Usability, and REST API library.

IBM Network Advisor is a software management platform for SAN networks. It provides network administrators the ability to quickly access network topology, health and performance data required to troubleshoot and remediate network issues. IBM Network Advisor is licensed and deployed to manage SAN only networks.

The fixes included in this release are listed in the defect tables at the end of this document.

Software feature overview

SAN Management feature enhancements

IBM Network Advisor 12.4.3 supports the following SAN capabilities and enhancements:

- Platform support
  - FOS 7.4_amp3
- COMPASS
  - Custom configuration blocks and templates
  - Template configuration from existing switch config
  - Create/Edit/Delete user-defined switch groups
  - Link templates to fabrics or user-defined switch groups
  - Monitor configuration drifts on linked switches
  - Dashboard widget to monitor configuration drifts
- IP Extension
  - Enhancements to Topology, FCIP Tunnel Config dialog
  - Support to configure FC & IP compression modes
  - Support for QoS distribution settings
  - Adaptive Rate Liming configuration
  - HA config support for existing circuits
- Web Client Enhancements
  - Real Time Graph widget support
  - Dashboard Playback support
  - Event page enhancements
  - REST API enhancements
- Dashboard Enhancements
  - Enhancements to Network Scope – Zones and Zone Alias
- MAPS Enhancements
  - Bottleneck detection indication
  - Support for new actions: FMS, Toggle, SDDQ etc.
  - Selective distribution of policies
  - Clear E-mail support
- Zoning Enhancements
  - Support for Peer, LSAN peer and Target Driven Peer Zones
- FICON
  - Enhancements to Configure Cascaded FICON Fabric dialog
  - FICON Merge Wizard enhancements
  - Encryption & Compression configuration
- Fault Management Enhancements
  - New KPI widget in Dashboard
  - Master Log enhancements

- o   Audit Log enhancements
- Other Enhancements
  - o   Real time Polling interval to 10 sec
  - o   Freeze first SID, DID, LUN in column ordering
  - o   Alias support
  - o   Data Size drop down - "Any"
  - o   Label charts and drill downs views
  - o   Fabric Latency & IO Exceptions measures support
  - o   New AMP Summary Dashboard
  - o   Remote client JRE support for 1.8u66
  - o   Max values support in Real Time Graphs.
  - o   MAPS Default time changes to 5 Mins
  - o   Quiet Time Support
  - o   MS's with suffix "_LE_8K" are been changed to "_LT_8K"
  - o   Pending IO measures are moved from "IO Performance" DB category to "IO Latency" DB category
  - O   NI 5.9 Support

IBM Network Advisor upgrades: IBM Network Advisor 12.3.2 - 12.3.4 running on the Linux and Windows operating systems can be upgraded to IBM Network Advisor 12.4.3.

Note 1: Enterprise and Professional Plus editions are not supported on 32-bit servers. To migrate Enterprise and Professional editions to a 64-bit server, refer to the "Pre-migration requirements when migrating from one server to another" section of the *IBM Network Advisor Installation and Migration Guide.*

Note 2: Direct migration from pre-12.3.2 - 12.3.4 releases to 12.4.3 are not supported. Refer to tables 9 and 10 in the *Installation and Migration Guide* for migration paths from DCFM and Network Advisor pre-12.3.2 - 12.3.4 releases.

Note 3: Refer to Table 11, "SMI Agent only migration paths," in the *Installation and Migration Guide* for SMI Agent only migration paths.

Migration Impact:

New IBM model names for the IBM switches will not be shown automatically upon migration. To see these new names, edit the existing model name with that of the new name in the "oem-switch-model-mapping.properties" file located in the 'conf' folder of NA home location. Restart the server to make changes take effect.

Operating Systems supported

IBM Network Advisor 12.4.x is supported on the following operating systems.

Note: The minimum required system physical memory for running IBM Network Advisor 12.4.x (server plus one local client) for the different editions is as listed below:

- Professional Edition: 4GB (32-bit OS), 6GB (64-bit OS)
- Pro-plus and Enterprise Editions (supported on 64-bit OS only): 6GB
  - o

Table 1 64-bit server / client operating system support

Operating System (architecture) / Installer	Versions
Windows	• Windows 8 and 8.1 Enterprise
Windows Server	• Windows Server 2008 R2 Datacenter, Standard, and Enterprise • Windows Server 2012 and 2012 R2 Standard, Datacenter
Linux	• Red Hat Enterprise Linux Adv6.4, 6.5, 6.6, 7.0 • Oracle Enterprise Linux 6.4, 6.5, 7.0 • SUSE Linux Enterprise Server 11.3, 12.0

Browser support

Recommended browser versions for Web client:

- Internet Explorer 11.0.9 update version RTM (Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2)
- Internet Explorer 10.0.9 update version RTM (Windows 2012)
- Firefox 37 and later (Windows/Linux)
- Chrome 41 and later (Windows)

Table 2 JRE support

IBM Network Advisor version	JRE version supported
12.0.2	JRE 1.7u17
12.0.3, 12.1.2, 12.1.3	JRE 1.7u25
12.0.4, 12.1.4, 12.1.5	JRE 1.7u45
12.1.6	JRE 1.7u45 and JRE 1.7u51 [Windows] JRE 1.7u67 [Linux]
12.3.2	JRE 1.7u67
12.3.3	JRE 1.7u71, 1.7u72
12.3.4	JRE 1.7u76, 1.8_u31
12.4.1	JRE 1.7u 79, 1.7u80, 1.8_u45
12.4.2	JRE1.7u79,1.7u80,1.8_u51
12.4.3	JRE 1.7u79, 1.7u80, 1.8_u66

Note 1: Web Tools launched from IBM Network Advisor is also supported for the above combinations.

Note 2: (Applicable only to WebTools from FOS releases done before 2/13/2015.) Due to java signing certificate expiration, Web Tools launched from IBM Network Advisor will not work with JRE. An attempt to launch the Web Tools will be blocked and "Failed to validate certificate. The application will not be executed" message will display. To work around this issue, uninstall JRE 8, install JRE 7 updates 79/80 and set the security level to Medium.

For users with JRE 7 installation, an attempt to launch the Web Tools will be blocked and "Application Blocked by Security Settings" message will display. To work around this issue, JRE 7 users can simply reduce the security level from High to Medium and continue using JRE 7 update 79/80.

Note 3: Oracle enforces the latest JRE update to be used to web start the applications. The recommended versions for this release are listed in the JRE support table. Beyond the JRE expiration date, users will see the message "**Your Java version is out of date**" on an attempt to launch the web client.

You can either ignore the message "Your Java version is out of date" by selecting the "**later"** option and and then proceeding with the web start client, or you can install the latest released JRE patch and then web start the client. The following warning will display and can be ignored: "The client system has java version <Latest Installed JRE> but the recommended java version is <as noted in the JRE support table>. Do you want to continue?"

Note 4: JRE 1.7.0 update 51 and later support begins with the following Fabric OS versions:

- Fabric OS v6.4.3f
- Fabric OS v7.0.2e
- Fabric OS v7.1.1c
- Fabric OS v7.1.2
- Fabric OS v7.2.1
- Fabric OS v7.3.0
- Fabric OS v7.4.0

a. Apply the following workaround when launching WebTools using a browser or NetworkAdvisor Remote client for all Fabric OS versions earlier than the ones listed above:

- On Windows:
  Go to C:\Program Files\Java\jre7\lib\security
- On Linux:
  Go to <jre install directory>/lib/security
- Edit java.security file and change the value to 256 from 1024 for jdk.certpath.disabledAlgorithms=MD2, RSA keySize < 1024

- Apply the following workaround on the Network Advisor server when launching Element Manager from the Network Advisor client for all Fabric OS versions earlier than the ones listed above:

- On Windows:
  Go to <Network Advisor install directory>\jre64\lib\security
- On Linux:
  Go to <jre install directory>/lib/security
- Edit java.security file and change the value to 256 from 1024 for jdk.certpath.disabledAlgorithms=MD2, RSA keySize < 1024

Table 3 Supported scalability limits by Network Advisor editions

	Enterprise edition			Professional Plus edition
	Small	**Medium**	**Large**	
SAN switch ports	2000	5000	15000	2560
SAN switches and Access Gateways	40	100	400	40
SAN devices	5000	15000	40000	5000
SAN Fabrics	25	50	100	36
Managed Hosts	20	100	400	100
vCenters	1	5	10	5
VMs (includes powered down VMs)	1000	5000	10000	5000

Note: Virtual Fabrics are counted as fabrics when calculating the managed count limits.

Note: Supported network latency between Network Advisor server and client or server and devices is 100ms.

Device platform and firmware requirements

The following table lists the versions of Brocade software supported in this release. IBM and Brocade recommend using the latest software versions to get the greatest benefit from the network. IBM and equivalent Brocade hardware products are listed.

Operating System	IBM Switch/Director	Brocade Switch/Director
Switch (b-type and B-Model) firmware versions		
FOS 5.0.x, 5.1.x, 5.2.x, 5.3.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x, and 7.4.x	SAN24B-4 Express (2498-B24, -24E) SAN40B-4 (2498-B40, -40E) SAN80B-4 (2498-B80) SAN24B-5 (2498-F24, 249824G, 2498-X24) SAN48B-5 (2498-F48) SAN96B-5 (2498-F96, -N96) SAN06B-R (2498-R06) SAN 42B-R (2498-R42) IBM Converged Switch B32 (3758-B32, -L32) VA-40FC SAN384B (2499-192) SAN768B (2499-384) SAN384B-2 (2499-416) SAN768B-2 (2499-816)	Brocade 300 Brocade 5100 Brocade 5300 Brocade 6505 Brocade 6510 Brocade 6520 Brocade 7800 Brocade 7840 Brocade 8000 VA-40FC Brocade DCX-4S Brocade DCX Brocade DCX 8510-4 Brocade DCX 8510-8

Installing IBM Network Advisor

Refer to the *IBM System Storage Network Advisor Installation and Migration Guide* for complete installation instructions. The installation instructions below provide a brief overview for the following operating systems:

- Microsoft Windows
- Linux

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

To install IBM Network Advisor on Windows (Server)

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

To install IBM Network Advisor on Linux (Server)

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

To launch the IBM Network Advisor client

To launch the IBM Network Advisor client on the same local machine as the Network Advisor server, launch the client as follows:

Windows:

- Select: **Start > Programs > Network Advisor 12.4.x > Network Advisor 12.4.x**

- Launch the client from the desktop icon.

- Launch command prompt and go to the location "<Install location>/bin" and enter "**dcmclient**"

Linux:

- Launch the client from the desktop icon.

- Launch terminal and go to the location "<install location>/bin" and enter "**sh dcmclient**"

Web browser, Windows and Linux: Follow the steps below for launching the client from a web browser.

1. To launch the IBM Network Advisor client from a remote host, launch the client as follows:

   Open a browser window and type the IBM Network Advisor server hostname or IP address in the **Address** field; for example:

   https://NetworkAdvisorServerhost1.companyname.com/

   https://192.x.y.z/

2. If, when the Network Advisor server was installed, a Network Advisor web server HTTPS port number was specified (instead of the default 443), you must specify the port number after the hostname or IP address. In the following examples, 8080 is the web server port number:

   https:// NetworkAdvisorServerhost1.companyname.com:8080/

   https://192.x.y.z:8080/

Note 1

The web started remote client is supported with JRE versions listed in the JRE support section in this document. The supported JRE version needs to be installed on the remote client system prior to establishing a server connection.

Note 2

The remote client can be launched in the following ways:

- Enter the server IP in the browser. The page will redirect to web client login page. Select the "Desktop client" option. A page will display with two options to start the remote client:
  - Web start the client
  - Download the client bundle (64-bit OS only). (Supported for the same or cross-OS platforms.)

- Enter the server IP in the browser. The page will redirect to web client login page. Log in to the web client and then select the "Desktop Client" menu option for remote client launch

Note 3

Launching the element manager applications within the Network Advisor client is done using Java Web Start technology. This requires that the local system's web browser is able to run Java web start applications. This setting may have been turned off, due to recent Java zero-day vulnerabilities.

To turn on Java content in the browser, follow the steps below:

1. Launch the "Java Control Panel"
   (refer to http://java.com/en/download/help/win_controlpanel.xml to locate the Java Control Panel application on Windows)

2. In the Java Control Panel, click the **Security** tab.

3. Select the **Enable Java content in the browser** check box. This will enable the Java plug-in for the browser.

4. Click **Apply**. When the Windows User Account Control (UAC) dialog appears, allow permissions to make the changes. Click **OK** in the Java Plug-in confirmation window.

5. Now launch Element Manager from the IBM Network Advisor client.

Important SAN Notes

1. For the Professional edition of IBM Network Advisor, the support for SAN fabric count increased from 1 to 2 fabrics and support for switch port count is reduced from 1000 to 300 switch ports.

2. If you see the following error message "Signature could not be validated" during firmware download or technical support data collection 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. Use 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>

   If this work-around does not work, go to Server > Options > Software Configuration > FTP/SFTP/SCP, and deselect the SCP/SFTP option.

3. If you see the following error message "Remote Host: Could not connect to remote host." During technical support data collection (Fabric OS and 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>

   If this does not work, go to Server > Options > Software Configuration > FTP/SFTP/SCP, and uncheck the SCP/SFTP option

4. Firmware Download fails if built-in SCP is used as preferred protocol. The workaround is to use the FTP option in IBM Network Advisor.

5. Trying to move a large number of ports (200+) between logical switches with the 'Reset to Default' option selected, results in operation time-out.

6. During installation, if Network Advisor database initialization fails on Windows Operating System, verify access to the drive where the installation is located. If the user "Administrator"

alone has access to the drive, then required permissions should also be provided to "Authenticated Users". Then continue with the installation.

7. The FCIP links will not be shown in the topology for tunnels with degraded circuits.

8. IP Ping, IP Route, and Trace route is not supported for SAN42B-R.

9. User cannot edit the tunnel configured without HA circuit for SAN42B-R.

10. IBM Network Advisor uses SNMPv3 by default to discover SAN products. If required, you can select the 'Manual' option in the **Discovery** dialog and choose SNMPv1 for discovery, as in case of AG discovery which requires use of SNMPv1 by default

11. A delay of 5 to 7 minutes is seen when Web Tools is launched on a system (through Network Advisor or directly in a web browser) where internet access is not available and the network does not return a 'destination unreachable' message. This issue occurs as Java tries to validate the SSL certificates with external CAs. This problem can be avoided on such systems by modifying the below Java properties:

    On Windows: C:\Users\<logged in username>
    \AppData\LocalLow\Sun\Java\Deployment\deployment.properties

    On Linux: home/< logged in user name>/.java/deployment/deployment.properties

    In the 'deployment.properties' file, edit the parameters below and set them to 'false'.
    If these parameters are not present, add them and then save the file. Then re-launch Web Tools.
    deployment.security.validation.ocsp = false
    deployment.security.validation.crl = false

12. Real time graph will not display proper data for FCIP tunnels when the polling interval is 10 sec. User need to keep 20 sec polling interval in graph to see the correct data for SAN42B-R.

13. Emulex: HTTPS discovery for ESXi host will work only with certificate import

14. If IBM Network Advisor is installed on Linux Operating System, the Fabric OS Element Manager and HCM cannot be launched if the client is launched using dcmclient script available in the Network Advisor installation folder. The Launch in Context (LIC) dialogs from the SMIA configuration tool (launched from Server Management Console) also cannot be launched (e.g. Discovery Dialog, Options Dialog etc.). To use the above features on Linux machines, launch IBM Network Advisor client from a browser (after installing the supported JRE version), pointing to the Network Advisor server installed on that machine.

    Workaround
    Complete the following two steps to work around this issue.
    Step 1) Add following line in the <<User Home>/.java/deployment/deployment.properties file.

    deployment.expiration.check.enabled=false

    For example, if the user is root then the absolute path of this file would be as follows:

    /root/.java/deployment/deployment.properties.

    Step 2) Launch the Java Control Panel using the command below and then click **OK**.
    <Network Advisor Home>\jre\bin\jcontrol

15. Secure Syslog is not supported from Network Advisor.Configuration of Quiet time from **Maps Configure** dialog is not recommended from IBM Network Advisor.

17. SAN Configuration Purge Backup is being enabled automatically when "Enable Scheduled Backup" is set and remains enabled after disabling the scheduled backup.

18. Session timeouts observed in Reports page of the Web Client after five minutes. Browser refresh is required to proceed.

19. User should not perform any write operations on FCIP tunnels which have circuits with different IDs.

20. When CIMOM server is bound to host name, SLP service fails to get registered. Workaround: To overcome this issue user can bind the CIMOM server to IP Address instead of host name.

21. Firmware upgrade will happen serially for SAN42B-R switches with HA configured tunnels between them. For parallel download on SAN42B-R switches use CLI

22. FCIP circuit trace route verification fails when attempted from Network Advisor

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 opening the **Discovery** dialog and add the IP address of the chassis using the **Add** dialog.

SSL connections using certificates with MD5 signatures

After upgrading to IBM Network Advisor 12.x from 11.x, SSL-based product communication will fail if the devices have 'weak' authentication certificates. The user will see "Fabric Discovery failed because SSL certificate of the seed switch uses a weak algorithm. Install SSL Certificate with strong authentication algorithm on the switch and try again" for devices with weak certificates. Devices discovered prior to migration will not be manageable in IBM Network Advisor after migration. Java 1.7 used by IBM Network Advisor 12.x disables the use of certificates with 'weak' authentication. The certificates on such devices need to be updated to be compliant with JRE v1.7. Please refer to the 'Secure Sockets Layer protocol' section of FOS Admin guide for details on updating certificates

The recommended solution is to replace the certificate on the network device with a certificate using the more secure SHA signature. If that is not practical, the Network Advisor server configuration can be changed to accept MD5 signatures. Note that accepting MD5 signatures may result in warnings from network security scanning tools.

To accept MD5 signatures, edit the following text file:

On 64-bit Windows or Linux: <install-dir>/jre64/lib/security/java.security

Remove "MD5" from the following line near the end of the file:
    jdk.tls.disabledAlgorithms=MD5, DES, 3DES, RC2
The modified line should appear as:
    jdk.tls.disabledAlgorithms=DES, 3DES, RC2

The change will take effect the next time the Network Advisor server is restarted.

Reset Ports operation in Logical Switches dialog
Note 1:
Reset ports to default operation is applicable only when the ports are moved from one logical

switch to another logical switch through the right arrow button i.e., from (Chassis ports Tree/Tree Table) LHS to (Logical Switches Device Tree) RHS device tree.

It is not applicable when:

- Ports from a Logical Switch are moved to default Logical Switch through Left Arrow button, i.e., from (Logical Switches Device Tree) RHS to (Chassis ports Tree/Tree Table) LHS.

- When a Logical Switch is deleted - its ports will not be reset to default before moving to Default Logical Switch before its deletion

Ports which are moved to the default logical switch can be reset to default, if they are moved from Chassis ports Tree/Tree Table LHS to Logical Switches Device Tree RHS device tree.

Note 2:

Reset ports to default operation will not clear FCIP configurations in the following scenarios:

- In IBM SAN06B-R switches and FX8-24 blades, GE ports cannot be reset to default unless their corresponding VE ports are cleared of their FCIP configurations.

- Switch reset to default operation on IBM SAN42B-R switches may fail due to GE port sharing or if the associated VE port exists in another LS.

Additional important notes for SAN

1. 64 bit OS is required to run Network Advisor Professional-Plus and Enterprise Editions.

2. User role 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.

3. IBM Network Advisor server startup and restart can take up to 10+ minutes to complete.

4. To avoid excessive telnet/ssh login messages in the IBM Network Advisor master log and event report, and the device CLI console, disable lazy polling by deselecting the "Enable lazy polling" checkbox in **IP Discovery Global Settings > Preferences Dialog**.

5. Starting with 12.0, the number of client connections supported has increased to 25. Refer to the *Installation and Migration Guide* for details. In addition to those details, the following database memory setting is required:

- The PostgreSQL's parameter "shared_buffers" memory allocation should be increased to 1024 MB. To change this setting, edit the <installation_directory>\data\databases\postgresql.conf file.
Change the line: shared_buffers = 256 MB
To: shared_buffers = 1024 MB

- The server needs to be restarted.

6. In Linux 64 bit machines, connecting to the database through Open Office using ODBC will not work. The solution is to connect from Windows ODBC Client to the 64 bit Linux machine where IBM Network Advisor is running to view the Database tables.

7. If you are using the ODBC connection from a remote host to the database, after migrating to 12.0.x, you will no longer be able to connect from the remote host. If you want to connect from the remote host, refer to the "Configuring remote client access to the database" section in the *Installation and Migration Guide*.

8. Technical Support data collection for discovered Products fails through an external Linux FTP server on a Windows installation of Network Advisor. To successfully collect support save data for NOS and FOS devices, the following configuration needs to be done in the VSFTPD FTP server before triggering the support save by setting external VSFTPD FTP Linux server (other than NA FTP server):

/etc/vsftpd.conf file and set "chroot_local_user=YES"

9. The client only application can be installed on a machine other than the server (without using a web browser) by creating a client bundle on the server, then copying and installing that client on another machine. Refer to the 'Client only installation' section of the *Installation and Migration Guide* for details.

10. "Server is not available" message will be displayed in the **login** dialog when user changes the default server port [24600] and tries to launch a remote client from client bundle. It is recommended to use the default server port.

11. Intermittently HTTP 500 error message is displayed when launching the Web Client. Server restart will fix the issue.

12. Error code 10003 reads "Common DCFM error". Instead it should read "10003: [..] Another transaction in progress'.

13. User needs to run the "sanperformancestatenable" script from NA home utilities folder to enable/disable performance statistics collection for SMIA only package installation. Following are the steps to execute the script.
    - Windows: Open cmd prompt and move to <BNA_HOME>\utilities and run sanperformancestatsenable.bat dbusername dbpassword enable|disable
    - Linux: Open terminal and move to <BNA_HOME>\utilities and run sanperformancestatsenable dbusername dbpassword enable|disable

14. User needs to use a different name (non-default) for the widget when attempting to add "Top Product Response Time" widget to avoid this error "Monitor could not be added. Duplicate monitor name".

15. Intermittently the Port Traffic/SFP/Error Time Series Report generation may fail when the port count is greater than 50 and the Time Scope is greater than 3 days.

16. REST API does not provide FCIP circuit measures for the GigE port.

17. "CLI through server" for FC/LC mode cluster and CLI Template based deployments for LC mode cluster will not function when product communication is set to "SSH Only".

18. IBM Network Advisor is now enforcing minimum disk space requirements during migration. When the disk space requirements are not met, IBM Network Advisor displays an error message prompting the user to use the script to delete performance data and retry migration.

19. The following step from the "Migration Data" section of the *Installation and Migration Guide* is no longer applicable and can be ignored during the migration: "To migrate historical performance data, select the SAN and IP check boxes, if necessary."

20. SNMP Trap auto-registration does not happen for a discovered VCS which is configured with 'Read Only' community string alone. Registration can be done manually post discovery through **Product Trap Recipients** dialog.

21. When IBM Network Advisor is managing more than 1500 IP products, you may experience some performance degradations such as delays while launching some dialogs.

22. Due to Microsoft Windows operating system restriction which does not allow services logged in as Local System user to interact with the desktop, the GUI application cannot be launched using "Launch a Script" option of **Add Event Action**.

    Refer the following link for more information:
    http://msdn.microsoft.com/en-us/library/windows/desktop/ms683502%28v=vs.85%29.aspx

23. LDAP users have to provide usernames with case sensitivity, as defined in LDAP server, to successfully login into Network Advisor client.

24. During migration, if insufficient space is detected, then a warning message will be displayed with an option to rollback. If user chooses "No", then migration will be aborted. As a result, the source version services will remain uninstalled. Please refer to the Installation and Migration Guide for instructions to install the source version services manually.

25. The firewall ports listed in the Installation and Migration guide need to be open bidirectionally for all the bi-directional protocols.

26. If the source Network Advisor has more products discovered, then it is recommended to stop all the services manually in the Network Advisor Server Management Console of the older version before initiating migration with the Configuration Wizard.

27. Reports: It is recommended to run no more than 50 schedules at the same time to avoid performance issues.

28. Service start up failure can be seen in Windows 2008 R2 OS and the recommendation is to apply this hot fix from http://support.microsoft.com/kb/257779

29. User need to stop all the services through SMC, then close the SMC and then perform partial uninstallation or do not perform any partial uninstallation and allow the NA take care of it during direct migration.

30. To avoid 100% CPU utilization when server runs with Analytic platform, recommending user to launch a remote client to monitor NA instead of launching local client in server.

31. Occassionally remote client would fail to launch with older java's due to java issue. Recommending user to re-insall java and launch a remote client.

32. Web start will not work if machine on which the client is launched, is installed with both 32 bit and 64 bit JREs. This problem is observed with both java 1.7 and 1.8 as well. To work around this issue, uninstall the 32 bit JRE and re-launch the browser.

33. NA AMP monitoring and supporSave concurrently causes flow to show as inactive in BNA. This is due to internal daemon reboot. Workaround is to un-monitor AMP from NA before collecting support save.

Patch installer troubleshooting

Patch installer may not launch if UAC is enabled on a Windows 7/8/2008/2008 R2/2012 editions. You must first disable the UAC using the procedure provided in the Appendix G: **Troubleshooting** section of the *User Manual*, and then launch the patch installer.

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 installation is allowed and the DB fails to start.

Client disconnects

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

Performance statistics counters - calculation formulae

For calculating the statistics for FC, GE, FCIP and TE port we use SNMP to query the respective OIDs, mentioned below in the table.

For calculating the HBA and CNA statistics, we use the APIs provided by HCM. And for EE monitors we use HTTP to get the TX, RX and CRC error values.

Polling interval for historical graph is 5 min and for real-time, it changes based on the granularity value selected in the Real Time graph dialog.

Counter Name	Type	Protocol used	Source value	Formula
TX	FC	SNMP	.1.3.6.1.3.94.4.5.1.6	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	FC	SNMP	.1.3.6.1.3.94.4.5.1.7	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX	GE	SNMP	.1.3.6.1.2.1.31.1.1.1.10	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	GE	SNMP	.1.3.6.1.2.1.31.1.1.1.6	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX	FCIP	SNMP	.1.3.6.1.2.1.31.1.1.1.10	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	FCIP	SNMP	.1.3.6.1.2.1.31.1.1.1.6	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
Uncompressed Tx/Rx MB/sec	FCIP	SNMP	.1.3.6.1.4.1.1588.4.1.1.6	(Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX	EE Monitors	HTTP	PortRX (variable from the return html file)	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	EE Monitors	HTTP	PortTX (variable from the return html file)	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX	HBA, CNA	HCM API	NA	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	HBA, CNA	HCM API	NA	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX	TE	SNMP	.1.3.6.1.2.1.31.1.1.1.10	TX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
RX	TE	SNMP	.1.3.6.1.2.1.31.1.1.1.6	RX = (Delta value[1] / (1000 * 1000)) / (Polling interval[2])
TX% / RX%	FC	NA	TX = .1.3.6.1.3.94.4.5.1.6 RX = .1.3.6.1.3.94.4.5.1.7	TX% or RX% for FC = ((delta value1 of TX or RX) / ((Bytes transmitted * port speed)*(polling interval2)) * 100 where Bytes transmitted for 1G,2G,4G,8G, and 16G port speed is 106250000 and Bytes transmitted for 10G port speed is 127500000. If utilization is less than 1, the value is 0.0.
TX% / RX%	GE	SNMP	TX = .1.3.6.1.2.1.31.1.1.1.10 RX =.1.3.6.1.2.1.31.1.1.1.6	TX% or RX% for FC = ((delta value1 of TX or RX) /((125000000* port speed)*(polling interval2))) * 100. If utilization is less than 1, the value is 0.0.

TX% / RX%	FCIP	SNMP	TX = .1.3.6.1.2.1.31.1.1.1.10 RX =.1.3.6.1.2.1.31.1.1.1.6	TX% or RX% for FCIP = ((delta value1 of TX or RX) /(maximum bytes transmitted))*polling interval2))) * 100, where maximum bytes transmitted = tunnel speed
TX% / RX% (Pre 6.4.1 Edison release)	TE	SNMP	TX = .1.3.6.1.2.1.31.1.1.1.10 RX =.1.3.6.1.2.1.31.1.1.1.6	TX% or RX% for TE = ((delta value1 of TX or RX) /((125000000* 10)*(polling interval2)))* 100. If utilization is less than 1, the value is 0.0.
Cumulative Compression Ratio	FCIP		.1.3.6.1.4.1.1588.4.1.1.4	Compression Ratio = current value/ 1000 Since for compression ratio we will take the current compression ratio value
Receive EOF	TE		.1.3.6.1.2.1.16.1.1.1.5	Receive EOF = Delta value[1] / (1000 * 1000)
Other Counters				Other counters = Delta value[1]
Current Compression Ratio	FCIP	NA	NA	(ifHCInOctets + ifHCOutOctets) / fcipExtendedLinkCompressedBytes

1) Delta value[1]: is the difference of value retrieved between the two consecutive polling cycles.
2) Polling interval[2] : duration between the two polling cycle in seconds

SMI Agent

1. For IBM Network Advisor that has more than 30K instances, the CIMOM takes more memory to generate CIM instances

2. If the user performs Enumerate Instances and the total size is more than 2 MB for all managed fabrics, it may result in out of memory issue. In this case, the user has to increase the CIMOM heap size to fetch zone database size of 2 MB.
Note: For 1.6 MB of zone database (144600 zone members), with 9 GB of heap size the Brocade_zonemembershipsettingdata instances are retrieved.

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 a 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 IBM Network Advisor are not SNMP registered. As this would cause a delay in indication delivery, all the switches managed in IBM Network Advisor should be SNMP registered

CIMOM heap size

The CIMOM heap size has been increase for small, medium, and large SAN network sizes:

Old heap sizes:
small
platform.64.cimom.conf.set.MAX_HEAP_SIZE = 1024m
medium
platform.64.cimom.conf.set.MAX_HEAP_SIZE = 1536m
large
platform.64.cimom.conf.set.MAX_HEAP_SIZE = 2048m

Current heap sizes:
small

platform.64.cimom.conf.set.MAX_HEAP_SIZE = 1536m

medium

platform.64.cimom.conf.set.MAX_HEAP_SIZE = 2048m

large

platform.64.cimom.conf.set.MAX_HEAP_SIZE = 3072m

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 the *<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 the **Configuration Tool** through the **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 findattrs service:wbem:http://IP_Address:Port` and press **Enter**.
   - Type `# Management_Application/cimom /bin/slptool findattrs 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 reconfigured 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 findattrs service:wbem:http://IP_Address:Port` and press **Enter**.
   - Type `> slptool findattrs 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.

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Documentation updates

The most recent IBM Network Advisor 12.4.x documentation manuals are available on the IBM Support Portal site: www.ibm.com/supportportal. In the IBM Support Portal, select or enter the product name, and then select **Product documentation** under the **Product support content** heading. Navigate to the desired publications in the displayed results.

In the IBM Network Advisor SAN Manual, the capabilities and licensing requirements for the 16 Gbps FCIP router platform are not listed under the "Fiber channel over IP" chapter. That information is provided below and will be added in subsequent versions of IBM Network Advisor documentation.

Licensing:

The 16 Gbps FCIP router platform requires these FCIP licenses:

- WAN rate upgrade license 1
- WAN rate upgrade license 2
- Advanced Extension (FTR_AE)

Capabilities:

The 16 Gbps FCIP router platform has the capabilities of HA WAN Connectivity, FCIP trunking, Adaptive Rate Limiting, 10 GbE ports, 40 GbE ports, IP Extension Support, FC ports up to 16 Gbps, Compression, Open Systems Tape Pipelining (OSTP), FICON extension, IPSec for tunnel traffic, Diffserv priorities, VLAN tagging, IPv6 addresses for FCIP Tunnels, Support for jumbo frames.

Defects

Open Defects in IBM Network Advisor 12.4.3

This section lists the open defects with Critical, High, and Medium technical severity as of Dec 14, 2015 in IBM Network Advisor 12.4.3.

Defect ID: DEFECT000559561	
Technical Severity: High	**Probability:** Low
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.1	**Technology Area:** Discovery
Symptom: Network Advisor shows AMP IO metrics ranges as >512K instead of >=512K on CLI	
Condition: See AMP IO metrics ranges in Network Advisor	
Workaround: Treat >512 labels as >=512K	

Defect ID: DEFECT000561613	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Dashboards
Symptom: Predefined measures are not selected by default and graph is not plotted for 'Top Initiator Target Flow Latency' or 'Top Initiator Target LUN Flow Latency' dashboard	
Condition: This occurs when 'Other Command Latency' measure is selected from the 'Top 10' combo box of 'Top Initiator Target Flow Latency' or 'Top Initiator Target LUN Flow Latency' dashboard	
Workaround: Manually select the measures to plot the graph in 'Top Initiator Target Flow Latency' or 'Top Initiator Target LUN Flow Latency' dashboard	
Recovery: Manually select the measures to plot the graph in 'Top Initiator Target Flow Latency' or 'Top Initiator Target LUN Flow Latency' dashboard	

Defect ID: DEFECT000562544	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Fabric Vision (SAN)
Symptom: Incorrect error message "No flow available for the selected flow" displayed in **Flow Monitor** dialog.	
Condition: When filter is enabled and moving flows for monitoring	

Defect ID: DEFECT000562918	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Virtual Fabric (SAN)
Symptom: Customer is not able to discover or get the recent details from switch.	
Condition: The Ethernet interface of the Windows machine where Network Advisor is installed behaves incorrectly.	
Workaround: Try to restart the Network Advisor server and discover the switch.	
Recovery: Once the Network Advisor server is restarted, the user can see the recent data from the switch and is able to discover the new FOS switch.	

Defect ID: DEFECT000563376	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Dashboards
Symptom: **Detailed View** dialog is launched with incorrect "Data Size" measure selection for Top Initiator/Target Port widgets	
Condition: Analytic flows are monitored in Network Advisor - **Flow Monitor** dialog and .Dashboard	

Defect ID: DEFECT000564592	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** View Management / Topology
Symptom: If user places the mouse pointer on AMP switch in **Topology, Tool Tip** dialog displays Product Type wrongly as switch instead of Analytics Monitoring Platform.	
Condition: When user places the mouse pointer on AMP switch in Topology.	
Workaround: User can get correct product type either in property sheet of device or in product tree.	

Defect ID: DEFECT000570779	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: All flows are listed in the **Flow Vision** dialog even though we set customer filters.	
Condition: In **Flow Vision** dialog customer filters should not either accept string or it should filter and no flows should be loaded.	

Defect ID: DEFECT000570786	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Menus & Toolbars
Symptom: Table menu options are showing the right click menu of multiple ports.	
Condition: Select multiple ports in the Product Tree and launch right click menu.	

Defect ID: DEFECT000571732	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not be able to see historical data from a different time scope..	
Condition: In **historical graph** dialog user tires to change the time scope error message shown as "Error while retrieving plot data from server".	

Defect ID: DEFECT000571920	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Flows were not displayed in **Flow Vision** dialog.	
Condition: When **Flow Vision** dialog is launched for an AMP device.	

Defect ID: DEFECT000572388	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Network Scope created using Port/Zone/Zone alias is not honored for Analytics Monitoring dashboard.	
Condition: Network Scope created using Port/Zone/Zone alias and launch Analytics Monitoring dashboard for monitoring.	

Defect ID: DEFECT000572793	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User needs to wait more than 1 minute to view the **detailed view** dialog.	
Condition: AMP is discovered in Network Advisor with 6000 device port being monitored.	

Defect ID: DEFECT000572800	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User needs to wait more than 1 minute to view the custom widget.	
Condition: AMP and 6000 device ports are monitored in Network Advisor.	

Defect ID: DEFECT000576014	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In select flows table all the columns in LHS and RHS are preselected and the column names cannot be seen.	
Condition: Default columns are shrinked and unabled to view the column details in **performance dashboard monitoring** dialog in LHS and RHS.	

Defect ID: DEFECT000576362	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** MAPS – Monitoring and Alerting Policy Suite
Symptom: Violation count is mismatch in widgets.	
Condition: Violation count is mismatch between **MAPS violation** dialog and in the port health category in the MAPS violation widgets.	

Defect ID: DEFECT000576417	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Top initiator and target port widgets in new AMP dashboard and analytics dashboard for all data size status values not shown.	
Condition: STATs should be seen for top initiator and target port widgets in new AMP dashboard and anyltics dashboard for all the data sizes.	

Defect ID: DEFECT000576554	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Data size strings should be changed for web client reports.	
Condition: Flow data size strings are displaying incorrect strings.	

Defect ID: DEFECT000576566	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** MAPS – Monitoring and Alertiing Policy Suite
Symptom: Filter functionality is not working for port labels other than FC address.	
Condition: In **Flow Vision** dialog filter functionality is not working for port labels.	

Defect ID: DEFECT000576572	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not be able to view the particular flow instantly due to the filter not working	
Condition: User try to view a particular flow and apply the filter on these columns it will not provide the expected result.	
Workaround: Filter with LUN ID.	

Defect ID: DEFECT000576574	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** MAPS – Monitoring and Alertiing Policy Suite
Symptom: User will not find the proper stats on the flow which target as vtap.	
Condition: Improper statsus value will be displayed for the flow which target as vtap in 3 vtap setup.	
Workaround: Check the flow which initiates as vtap.	

Defect ID: DEFECT000576576	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Fabric tracking (SAN)
Symptom: Port label is not honored for the initiator, target and vtap columns in **Flow Vision** and **graph** dialog.	
Condition: In **Flow Vision** and **graph** dialog does not honor port labels.	

Defect ID: DEFECT000576588	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Drill downs are not populated with follow details once every ten tries.	
Condition: When **drill down** dialog is launched from the summary widget.	

Defect ID: DEFECT000576600	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Positioning of widgets are improper when collapse/expand is performed on MAPS violation widgets.	
Condition: In analytics summar dashboard MAPS violation widgets are shown in improper position.	

Defect ID: DEFECT000576603	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Toggling from another dashboard to analytics monitoring summary dashboard, it is loaded blank initially and after more than 1 minute it is loaded with widgets and data at one shot.	
Condition: Toggle from other dashboard to analystics monitoring summary widgets are blank for 1 minute.	

Defect ID: DEFECT000576615	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow vision
Symptom: Root legend and dialog title flow details are readable format.	
Condition: Representation format is different root legend and dialog title.	
Workaround: It is fixed.	

Defect ID: DEFECT000576618	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Source and destination fabric ID columns are displaying wrong fabric ID details..	
Condition: In **Flow Vision** dialog, source and destination fabric ID columns are displaying wrong fabric ID.	

Defect ID: DEFECT000576623	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** MAPS – Monitoring and Alerting Policy Suite
Symptom: AMP Web Client: Fabric latency measure values in web client are mismatching with that of command-line interface.	
Condition: Data mismatch between for all four fabric latency measures and command-line interface STATs in all the flow IO analytics latency reports.	

Defect ID: DEFECT000576626	
Technical Severity: Medium	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Fabric Vision (SAN)
Symptom: If the flow is IT then use cannot view the LUN details in detailed **View** dialog [title and root legend]	
Condition: If the flow is IT LUN details missing.	

Defect ID: DEFECT000576667	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Fabric Vision (SAN)
Symptom: User will see incorrect naming of menus.	
Condition: Menu names not for UT standard	
Workaround: It is fixed.	

Defect ID: DEFECT000576841	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Menus & Toolbars
Symptom: Webclient IP reports behavior needs to be added in SAN+IP and IP User Manual.	
Condition: SAN+IP and IP User Manual should have information for webclient IP reports.	

Defect ID: DEFECT000576856	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: AMP analytic statistics takes 45 seconds to load TOP Initiator and target port widgets in AMP dashboards..	
Condition: AMP monitored in Network Advisor and monitor AMP dashboards.	

Defect ID: DEFECT000577580	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Data size column values will be empty for few of the rows with ANY as data size for top initiator and target port widgets in analytics monitoring summary and top flows dashboards.	
Condition: AMP is monitored in Network Advisor and monitoring Analytics Monitoring Summary and top flows dasbhoards.	

Defect ID: DEFECT000577684	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Data size column and fabric latency measures will not be available in the top initiator/target port widgets of analytics monitoring and summary dashboard in migrated server.	
Condition: AMP is monitored in Network Advisor and monitor analytics monitoring summary and top flows dashboards.	

Defect ID: DEFECT000577962	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User cannot look up for specific attributes in the **drill down** dialog. Have to scroll-down manually and trace it out.	
Condition: Serach doesn't work in the configuration **drifts drill-down** dialog launched from the dashboard in thick client.	
Workaround: User has to manually look up for the specific attributes in the **drill down** dialog.	

Defect ID: DEFECT000577964	
Technical Severity: High	**Probability:** Low
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Fabric Tracking (SAN)
Symptom: Creates ambiguity as the template synch actually resulted in a failure. User has to the lookup status details field in the dialog that contains the reason for failure.	
Condition: The user will see the overall deployment status as success instead of failed when the MAPS policies are deployed on a MAPS disabled switch.	
Workaround: User has to read the status details field that details about the MAPS policy deployment failure on a MAPS disabled switch.	

Defect ID: DEFECT000578172	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In custom dashboard column check-uncheck will not get persisted for performance dashboard monitor **targets** dialog after re-launch.	
Condition: Re-launching the custom dashboard performance dashboard monitor targets dialog.	

Defect ID: DEFECT000578176	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In custom dashboard "reset to default" will not work for **performance dashboard monitor targets** dialog.	
Condition: "Reset to default" functionality in **performance dashboard monitor targets** dialog columns headers.	

Defect ID:	DEFECT000578178
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: As Vtap details are not available for flows in **performance dashboard monitor targets** dialog, user cannot identify unique flows.	
Condition: Monitor flows in **performance dashboard monitor targets** dialog.	

Defect ID:	DEFECT000578182
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User will not be able to playback and view historical data in the time series widget.	
Condition: In custom dashboard playback option is not working for time series widget.	

Defect ID:	DEFECT000578184
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In case of custom dashboard select **all/deselect all, move up/down** options will not be available in customize table for **performance dashboard monitor targets** dialog.	
Condition: Custom dashboard functionality for **select all/deselect all, move up/down** options	

Defect ID:	DEFECT000578188
Technical Severity: Medium	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User will be able to view unwanted columns in the **Performance Dashboard Monitor Targets** dialog.	
Condition: Monitoring flows in **Performance Dashboard Monitor Targets** dialog. .	

Defect ID:	DEFECT000578376
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Reports
Symptom: User will see lots of empty space.	
Condition: Flow IO Analytics latency time series performance report setting dialog has more blank space.	

Defect ID: DEFECT000578383	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User will not able to see the data when the data size is changed in top initiator and target widgets.	
Condition: In SAN analytics monitoring dashboard user is not able to see the values of data size 8K to 64K in top initiator and target widgets.	

Defect ID: DEFECT000578387	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Reports
Symptom: User will find difficult to see the data in **picker** dialog.	
Condition: User interface issues in TimeSeries Performance report setting and **flow picker** dialog.	

Defect ID: DEFECT000578399	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Widgets in the *SAN Analytics Montoring: Summary* shows the **refresh** icon on change of data size and the data is not updated for the selected size.	
Condition: Monitoring flows in *SAN Analytics Montoring: Summary* dashboard widgets.	

Defect ID: DEFECT000578407	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: AMP product icon is missing in the **legend** dialog.	
Condition: AMP is monitored in Network Advisor.	

Defect ID: DEFECT000578421	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Reports
Symptom: Incorrect origin port and FC address is displayed.	
Condition: Incorrect origin port and FC address are shown in the **flow picker** dialog for LUN flow time series report.	

Defect ID: DEFECT000578506	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Login Dialog
Symptom: Click got hung and not able to do any operation.	
Condition: Launch the client and Discover SAN and IP products. Monitor the client more than 14 days.	

Defect ID: DEFECT000578516	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Discovery
Symptom: Once in ten times, user will not be able to edit the password and switch will be shown not reachable in topology.	
Condition: Network Advisor is monitoring AMP and running for 15 days.	

Defect ID: DEFECT000578518	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Active Sessions
Symptom: AMP switch is removed from telnet session and shown as not reachable in NA topology.	
Condition: Discover the AMP switch and launch the telnet session. Monitor the serve for 14 days.	

Defect ID: DEFECT000578557	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Fabric Vision (SAN)
Symptom: Right click menu **Port Health Violations** from categories in MAPS widgets in AMP Summary dashboard doesn't work.	
Condition: Right click menu **Port Health Violations** from categories in MAPS widgets in AMP Summary dashboard.	

Defect ID: DEFECT000578603	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will be able to view **vtap** column in **Historial/Real-Time** graph. .	
Condition: **vtap** column is displayed in the **Flow Historical** and **Flow Real-Time** graph.	

Defect ID: DEFECT000578613	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Menu &Toolbars
Symptom: Loading of remote client takes more than 15 minutes.	
Condition: Launch remote client for Network Advisor server managing AMP fabrics with 20K flows..	

Defect ID: DEFECT000578615	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not be able to navigate to next page.	
Condition: In 6K ports server user is not able to navigate to next page in **Flow Vision** dialog.	

Defect ID: DEFECT000578621	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Discovery
Symptom: Once in 10 times, user will be unable to delete a fabric from **Discovery** dialog	
Condition: Network Advisor running for more than 15 days.	

Defect ID: DEFECT000578666	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Menus & Toolbars
Symptom: **Enable/Disable** option in the Configure Menu is not grayed out on selecting multiple ports.	
Condition: Selecting multiple ports to Enable/Disable.	

Defect ID: DEFECT000578681	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Network Advisor launches with **SAN Analytics Monitoring: Summary** dashboard as default dashboard.	
Condition: Launch of Network Advisor	

Defect ID: DEFECT000578698	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Topology views
Symptom: With 6000 device port managed in Network Advisor, often times the duplicate hosts are seen in the topology.	
Condition: With 6000 device managed in Network Advisor, and devices are monitored in topology..	

Defect ID: DEFECT000578737	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Detailed View** dialog, the unit for other command latency is displayed incorrectly in the tooltip.	
Condition: Launch of **Detailed View** dialog from **flow-latency, flow-performance** widgets of AMP summary dashboard.	

Defect ID: DEFECT000578741	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: On Editing Performance dashboard widget for top initiator and target port widget, the default data size is displayed as <8K.	
Condition: Edit of Top initiator and target port widgets from **AMP Top Flows** dashboard.	

Defect ID: DEFECT000578849	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Inventory report is not generated for **Host Adapter Inventory** widget and "Could not launch host adapter inventory. Try again after some time" message will be displayed.	
Condition: Create a **Custom** dashboard and select **Host Adapter Inventory** widget. Click on the bar graph to launch the inventory report.	

Defect ID: DEFECT000578882	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Delay (>6mins) observed on launching the **Detailed View** dialog from **flow-latency, flow-performance** widgets of AMP Summary dashboard.	
Condition: Launch the **Detailed View** dialog from **flow-latency, flow-performance** widgets of AMP Summary dashboard.	

Defect ID: DEFECT000578903	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Hardware Monitoring
Symptom: Top/Bottom widgets are not getting updated when a cluster is selected as Network Scope for User defined dashboards.	
Condition: Create user defined dashboard and add **Top/Bottom dashboard** widgets. Select **Cluster** as Network scope.	
Workaround: Create a user defined network scope with the same cluster and select it as the Network scope.	

Defect ID: DEFECT000578961	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Export of custom dashboard fails with error "An error occurred while exporting dashboard data"	
Condition: Create custom dashboard with few widgets and export it.	

Defect ID: DEFECT000578970	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: In AMP Top flows dashboard, right click menu in tables display the **Performance, Properties** and **Locate** options even when the table has no flows.	
Condition: Right click **menu** in table – AMP Top flows dashboard.	

Defect ID: DEFECT000578985	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Loading of AMP Summary dashboard takes ~ 4 minutes when the selected time scope is '12 hours'.	
Condition: Change the time scope to '12 hours' and observe time taken to load data in AMP Summary dashboard.	

Defect ID: DEFECT000579021	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: **Detailed View** dialog shows 'Avg' checkbox as checked when launched from Flow latency graph with 'Show Average' checkbox unchecked.	
Condition: Launch of **Detailed View** dialog from Flow-Latency, Flow-Performance widgets of AMP Summary dashboard.	

Defect ID: DEFECT000579035	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Flow Latency and Performance graphs measures selection are not persisted when dashboard is toggled back to Summary dashboard.	
Condition: Toggle between default AMP dashboard.	

Defect ID: DEFECT000579050	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Event widget is not showing data if the user defined network scope created with Cluster and selected the same as the network scope.	
Condition: Create user defined dashboard and select **Events** widget. Create a user defined network scope with Cluster and select the same as scope.	
Workaround: Create user defined dashboard and select **Events** widget. Select same Cluster as network scope.	

Defect ID: DEFECT000579147	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Hardware Monitoring
Symptom: In **Detailed View** dialog, graph is plotted for unchecked measures.	
Condition: Launch of **Detailed View** dialog from **Flow-Latency, Flow-Performance** widgets of AMP dashboard.	

Defect ID: DEFECT000579150	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Detailed View** dialog, with 'Avg' checkbox unchecked, selecting a **Performance** related measure plots no data.	
Condition: Launch of **Detailed View** dialog from **Flow-Latency, Flow-Performance** widgets of AMP dashboard.	

Defect ID: DEFECT000579173	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will find delay in viewing the data in Analytics Historical Graph.	
Condition: Plotting of first data point in Analytics Historical Graph is taking more than one minute to plot.	

Defect ID: DEFECT000579181	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: The measures legend on the right of the **Detailed View** dialog is not collapsed by default.	
Condition: Launch **Detailed View** dialog from **Flow-Latency, Flow-Performance** widgets of AMP Summary dashboard.	

Defect ID: DEFECT000579242	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not be able to see all the four measures for Fabric latency on the dashboard.	
Condition: In AMP dashboard fabric latency measures are not displayed.	

Defect ID: DEFECT000579257	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Configuration Fundamentals
Symptom: Firmware download for NOS fails when downgrading from 6.0.1a to 6.0.0 with unknown error code.	
Condition: Firmware download for NOS from 6.0.1a to 6.0.0 from Network Advisor.	

Defect ID: DEFECT000579272	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: For Legacy flows, there is no data in Performance monitoring historical graph. .	
Condition: Launch the Performance monitoring historical graph from AMP Summary dashboard.	

Defect ID: DEFECT000579275	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Flow Vision** dialog, on moving a legacy flow to RHS for detailed view, the Source Column populates corresponding F-port values instead of the device port.	
Condition: Moving a legacy flow to RHS in **Flow Vision** dialog. .	

Defect ID: DEFECT000579280	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Performance
Symptom: User will not be able to see data plotted in Historical Graph for an AMP device.	
Condition: Data is not plotted in Analytics Historical Graph for AMP Device.	

Defect ID: DEFECT000579320	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Detailed View** dialog, Max and Average graphs plotted for Other command Latency Measure from Flow Latency graph are seen in different colors.	
Condition: Launch **Detailed View** dialog for 'Other command Latency' measure from Flow Latency graph..	

Defect ID: DEFECT000579367	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not be able to collect Support save from AMP.	
Condition: Product support saves from was not captured properly from Network Advisor.	

Defect ID: DEFECT000579371	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Network Advisor will not be able to get flows data from switch in the given period.	
Condition: Upgraded firmware of AMP to v7.40_amp3_rc1_bld10 and monitor AMP in NA.	

Defect ID: DEFECT000579398	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Active Sessions
Symptom: 'Server not available' message is displayed while launching remote client. 'Http 404' error is observed while launching a remote client.	
Condition: Launching remote client.	

Defect ID: DEFECT000579403	
Technical Severity: High	Probability: High
Product: Network Advisor	Technology: Client
Reported In Release: Network Advisor 12.4.3	Technology Area: Menus & Toolsbars
Symptom: Error Message "An error occurred while performing the operation. Please try again" appears while launching **Options** dialog.	
Condition: Launching the **Options** dialog from Server → options menu.	

Defect ID: DEFECT000579474	
Technical Severity: High	Probability: High
Product: Network Advisor	Technology: Device Management
Reported In Release: Network Advisor 12.4.3	Technology Area: Firmware Management
Symptom: From SAN tab, try importing an FOS image and se that the firmware import fails, though Import goes fine when un-checked "**Built-in SCP/SFTP** option" from **Option** dialog.	
Condition: Importing any FOS image with enable Built-in FTP and Built-in SCP/SFTP.	

Defect ID: DEFECT000579475	
Technical Severity: High	Probability: High
Product: Network Advisor	Technology: Device Management
Reported In Release: Network Advisor 12.4.3	Technology Area: Firmware Management
Symptom: Firmware upgrade from FOS v6.4.3 to FOS v7.0.0 fails with error "Cannot downgrade to 6.2 or lower. Please downgrade to 6.3 first and then download the desired firmware version".	
Condition: Firmware upgrade from FOS v6.4.3 to FOS v7.0.0 from Network Advisor.	

Defect ID: DEFECT000579479	
Technical Severity: High	Probability: High
Product: Network Advisor	Technology: Device Management
Reported In Release: Network Advisor 12.4.3	Technology Area: Firmware Management
Symptom: User cannot download firmware using SCP protocol.	
Condition: Firmware download fails with status showing as 'Downloading' when used Built-in SCP/SFTP server with preferred protocol set to SCP.	

Defect ID: DEFECT000580233	
Technical Severity: High	Probability: Medium
Product: Network Advisor	Technology: Client
Reported In Release: Network Advisor 12.4.3	Technology Area: Menu & Toolbars
Symptom: The client becomes non-responsive when launching the **Detailed View** dialog for a flow from the **Flow Latency, Flow Performance** widgets of AMP summary dashboard.	
Condition: When launching the **Detailed View** dialog for a flow from the **Flow Latency, Flow Performance** widgets of AMP summary dashboard.	

Defect ID: DEFECT000580234	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Flows are not displayed in **Flow Vision** dialog even though flows exist on the switch.	
Condition: When launching the **Flow Vision** dialog.	

Defect ID: DEFECT000580280	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Device configuration (SAN)
Symptom: User is not able to configure HIF on FCR fabrics.	
Condition: When trying to configure HIF on a FCR fabric.	

Defect ID: DEFECT000580292	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: The dashboard widgets do not honor changing the time scope to 1 or 2 hours.	
Condition: When changing dashboard time scope to 1 to 2 hours.	
Workaround: Re-launch the client.	

Defect ID: DEFECT000580299	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: On launching the AMP Summary Dashboard, 'Read First response' and 'Write first response time' measures are not checked in Flow Latency graph by default. Similarly, 'Write IOPs' measure is not checked in Flow Performance graph by default.	
Condition: Display of **Flow-Latency, Flow-Performance** widgets of AMP Summary dashboard.	

Defect ID: DEFECT000580354	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: The title of **AMP Switch Health Violations** widget in default AMP summary dashboard is ambiguous as AMP is not a switch.	
Condition: Viewing **AMP Switch Health Violations** widget in default AMP summary dashboard.	

Defect ID: DEFECT000580359	
Technical Severity: High	**Probability:** Low
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Network scope and time scope for dashboards are hidden from view and the user is unable to change these scopes for the selected dashboards.	
Condition: When trying to change network/time scope for dashboards.	
Workaround: Close and re-launch the client.	

Defect ID: DEFECT000580424	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Flow Latency, Flow Performance** widgets of AMP summary dashboard, the data point values of measures the graphs are showing large values after decimal point.	
Condition: Display of **Flow Latency, Flow Performance** widgets of AMP summary dashboard.	

Defect ID: DEFECT000580430	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In **Flow Latency, Flow Performance** widgets of AMP summary dashboard, the graph plotted for measure stays in highlighted state even after **detailed view** dialog launched is closed. On clicking elsewhere in the graph, it is de-highlighted.	
Condition: Launching of **detailed view** dialog from a specific flow plotted in the Flow Latency, Flow Performance graphs.	

Defect ID: DEFECT000580483	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Widgets saved from AMP real time/historical graphs are removed automatically from custom dashboard after navigating to other dashboards.	
Condition: While navigating from custom dashboard to other dashboards.	
Recovery: Restart the client.	

Defect ID: DEFECT000580753	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: Widgets are correctly aligned in Custom dashboard.	
Condition: When AMP Custom dashboards are launched.	

Defects closed with code change in IBM Network Advisor 12.4.3

This section lists the defects with Critical, High and Medium technical severity closed with a code change as of Dec 14, 2015 in IBM Network Advisor 12.4.3.

Defect ID: DEFECT000557247	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.3.4	**Technology Area:** Dashboards
Symptom: User will be able to see all members' data/cluster information in **PM product** widgets.	
Condition: This issue occurs when user creates a Port scope with interfaces belonging to few members instead of the entire cluster.	

Defect ID: DEFECT000562125	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** MAPS - Monitoring and Alerting Policy Suite
Symptom: In MAPS **add/edit/view policy** dialog, the categories show "Analytics Switch".	
Condition: Whenever the MAPS **add/edit/view policy** dialog are opened for AMP switch which has MAPS enabled.	

Defect ID: DEFECT000562181	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Dashboards
Symptom: From Historical graph, User cannot add more flows for monitoring.	
Condition: User launched Historical Graph from Dashboard to monitoring a particular flow.	
Workaround: Launch the historical/real-time graph by selecting the fabric/switch in Topology will load all the subflows.	

Defect ID: DEFECT000563341	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** MAPS - Monitoring and Alerting Policy Suite
Symptom: Open Amp dashboard, select **a flow** and launch performance graph. Click **on select button** to navigate to **Flow Vision** dialog to add more sub flows to the graph. We can observe that ok button is not visible to do ok operation.	
Condition: We are unable to create 'Ok panel ' when we click on **select** button.	

Workaround: Please go to **flow monitor** dialog and perform the same steps.

Defect ID: DEFECT000563352	
Technical Severity: Medium	Probability: Medium
Product: Network Advisor	Technology: Monitoring
Reported In Release: Network Advisor 12.4.2	Technology Area: MAPS - Monitoring and Alerting Policy Suite
Symptom: Violations dialog will display empty values in the 'Category' column for violations from AMP Health category.	
Condition: If violations belonging to the AMP Health category are displayed in the **Violations** dialog, then the corresponding 'Category' column will not display the category name.	

Defect ID: DEFECT000563494	
Technical Severity: High	Probability: High
Product: Network Advisor	Technology: Monitoring
Reported In Release: Network Advisor 12.4.2	Technology Area: Performance
Symptom: Existing subflows are getting removed in Historical/Real Time Graph when adding new subflows in existing lists.	
Condition: Launching the Performance graphs display only with the last selected flow.	
Workaround: Select the sub-flow from the selected flows table and perform the action.	

Defect ID: DEFECT000563750	
Technical Severity: High	Probability: Medium
Product: Network Advisor	Technology: Monitoring
Reported In Release: Network Advisor 12.4.2	Technology Area: MAPS - Monitoring and Alerting Policy Suite
Symptom: In **Flow vision and graph** dialog stats value is not displayed for sys_mon_analytics flow..	
Condition: For sys_mon_analytics flow stats value is not displayed.	

Defect ID: DEFECT000563869	
Technical Severity: High	Probability: Medium
Product: Network Advisor	Technology: Monitoring
Reported In Release: Network Advisor 12.4.2	Technology Area: MAPS - Monitoring and Alerting Policy Suite
Symptom: User needs to wait for more than 90 minutes to get stats updated in the **Flow Monitor** dialog.	
Condition: when monitoring analytics flow with 20k sub flows in **Flow Monitor** dialog.	

Defect ID: DEFECT000564511	
Technical Severity: Medium	Probability: High
Product: Network Advisor	Technology: Monitoring
Reported In Release: Network Advisor 12.4.0	Technology Area: Reports
Symptom: Java Exception will be thrown and report won't be generated.	
Condition: When trying to run Detailed report on MLX node in MCT Configured Devices	

Defect ID: DEFECT000564586	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Performance
Symptom: Newly added flows overwrites the existing flows in the selection.	
Condition: Launch **Flow Vision** dialog with existing flows and try to add new flows to the RHS panel.	

Defect ID: DEFECT000568048	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Installation & Migration
Symptom: When device connected multiple end device it will occur..	
Condition: When the connected end device is loop back / npiv then this will be reproducible.	

Defect ID: DEFECT000568586	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Host
Symptom: Customer will face slowness in NA performance.	
Condition: Discovering a VCS device with multiple mac associated to the interface.	
Workaround: Remove mac addresses from the device.	
Recovery: Upgrade to latest NA version (14.0).	

Defect ID: DEFECT000568761	
Technical Severity: Medium	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.1	**Technology Area:** Dashboards
Symptom: Unable to add a new widget to NA dashboard, shows the error: "Widget Name already exists. Please specify a different name.".	
Condition Upgrade the BNA from 12.3.1 to 12.4.1.Launch the client and Add new widget in the Dashboard.	
Workaround: Given the script to increase the dashboard sequence id from 100 to 1000.	

Defect ID: DEFECT000570225	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.1	**Technology Area:** Performance
Symptom: Network Advisor Discover issue - SNMP and performance data errors. Errors in the Network Advisor discovery window: "Discovered: SNMP communication failed. SNMP credentials may be invalid".	
Condition The customer needs to monitor the switch performance from the Network Advisor, but they are getting errors on many switches in the environment. They are seeing the following errors: In the Network Advisor discovery window: "Discovered: SNMP communication failed. SNMP credentials may be invalid" In the performance window (Historical/Realtime): "No Data points found for the selection"	

Defect ID: DEFECT000571922	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Step 1: Launch **Flow Vision** dialog, move flow to RHS.In RHS, select any sub flow and launch graph for the selected sub flows. Now close the **Flow Vision** dialog and repeat step 1 .We can observe that previous selected sub flows will be listed along with the newly selected sub flows.	
Condition: Step 1: Launch **Flow Vision** dialog, move flow to RHS. In RHS, select any sub flow and launch graph for the selected sub flows. In graph click on **select** button and go back to **Flow Vision** dialog to select few more sub flows and click ok. This will launch the graph with old selected sub flows and newly sub flows as well. While fixing above issue, this defect was encountered.	

Defect ID: DEFECT000574919	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Device Management
Reported In Release: Network Advisor 12.4.1	**Technology Area:** CLI Configuration (IP)
Symptom: Configuration backup will fail when using SCP server.	
Condition: When Product communication is selected as SCP server.	

Defect ID: DEFECT000575100	
Technical Severity: High	**Probability:** Medium
Product: Network Advisor	**Technology:** Fault Management
Reported In Release: Network Advisor 12.4.0	**Technology Area:** Call Home
Symptom: Unchecked few MAPS-1021 events in **call home event filter** dialog and were still receiving the events.	
Condition: There is a list of MAPS-1021 events and on deselecting the last MAPS -1021 events in the list the issue could be seen.	
Recovery: Issued fixed in Network Advisor 12.4.3.	

Defect ID: DEFECT000576274	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When **detailed view** dialog is launched for a flow from the parent detailed view using the right click **menu** option, the detailed view launches with no data in the 'View Flows' table. Hence the user will not be able to see the flows related to the selected flow..	
Condition: When **detailed view** dialog is launched for a flow from the parent detailed view using the right click **menu** option, the detailed view launches with no data in the 'View Flows' table.	

Defect ID: DEFECT000576365	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboards
Symptom: User will be able to see Analytics Monitoring Summary Dashboard in web client.	
Condition: Analytics Monitoring Summary dashboard shown in web client.	

Defect ID: DEFECT000576440	
Technical Severity: Medium	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When user selects the **flow and launch** dialog the second drill down. Root legend details was not updated.	
Condition: User don't have visibility on root flow for the selected flow.	
Workaround: It's addressed in 12.4.3.	

Defect ID: DEFECT000576611	
Technical Severity: Medium	**Probability:** Medium
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User cannot view measure name and data size other than 8k.	
Condition: If the data size is 8k then it will show the measure name and unit others will not shown the proper data size.	
Workaround: It is fixed.	

Defect ID: DEFECT000576627	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: change the global port label to "Zone alias" name Launch **Flow Vision** dialog and move analytics flow to RHS.On RHS, under target column we will observe node WWN instead of Zone alias.	
Condition: As part of new platform support, a new check for AMP was added in initiator column but same was missed in target column. Because of this we are showing default WWN instead of Zone alias.	

Defect ID: DEFECT000576669	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: Drill down from summary dashboard will open up detailed view window with graph and table below. Select the option target or initiator which is on top of table data in the window opened. Place the pointer on table data ,right click on one of the rows,observe that one of the options under flow menu item is named as "Zone alias" but now changed to "Active zone".	
Condition: The menu item name was given as "Zone Alias" instead of "Active zone".	

Defect ID: DEFECT000577059	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: **Top Initiator and Target Port** widgets in New AMP Dashboard launched after discovery of AMP shows incorrect data size.	
Condition: Top Initiator and Target Port widgets should display the correct data size when relaunch the network advisor.	
Workaround: Change the data size in combo box will display correct values.	

Defect ID: DEFECT000577068	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** MAPS - Monitoring and Alerting Policy Suite
Symptom: User not able to view quiet time value from **Maps configure** dialog.	
Condition: When user launch the **View Policy** dialog from **MAPS Configuration** dialog.	

Defect ID: DEFECT000578120	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Client
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Licensing
Symptom: Correct License Information for the IBM EULA will not be visible.	
Condition: Install IBM Network Advisor and verify it in License Agreement page.	

Defect ID: DEFECT000578162	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When Performance **Dashboard Monitor** dialog is launched, dialog will be loaded without any horizontal scroll bar on both the available and selected flow panels.	
Condition: We resized all columns to fit in the panel leading to the scroll bar not visible in the dialog.	

Defect ID: DEFECT000578166	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When **Performance Dashboard Monitor** dialog is launched, try to resize the window by dragging the window.	
Condition: Initially we disabled the auto resize column option.	

Defect ID: DEFECT000578181	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When **Performance Dashboard Monitor** dialog is launched, dialog will be loaded without any horizontal scroll bar on both the available and selected flow panels.	
Condition: We resized all columns to fit in the panel leading to the scroll bar not visible in the dialog.	

Defect ID: DEFECT000578185	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When launched **performance dashboard Monitor targets** dialog. In available flows, customer can observe the AMP Label which will list the AMP devices under the Fabric	
Condition: As part of new platform support, Device was named Solo Later it was named AMP (Analaytics Monitoring Platform). Leading to change the label in the dialog.	

Defect ID: DEFECT000578185	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: In AMP Custom Dashboard, Unique ID will not be available for the flows added under Targets column in Add **Performance Dashboard Monitor** dialog.	
Condition: In AMP Custom Dashboard, adding target for monitoring flows in Add **Performance Dashboard Monitor** dialog.	

Defect ID: DEFECT000578221	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: User will not able to see the 'Other Command Latency' data in Web client.	
Condition: No Data are shown for 'Other Command Latency' in Web client.	

Defect ID: DEFECT000578242	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Reports
Symptom: Incorrect port details will be shown to the User.	
Condition: F port is shown instead of Device port in 'Device Port - Port #' in the Flow IO Analytics Latency Time Series Report.	

Defect ID: DEFECT000578341	
Technical Severity: Medium	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Flow Vision (SAN)
Symptom: When user trying to move first 4 columns on RHS for sys_mon_analytics flow then the columns are moving from one column index to another column index.	
Condition: When user trying to move first 4 columns and trying to move other columns to first 4 column indexes.	
Workaround: Do not try to move the first 4 columns and do not try to move other columns to first 4 column indexes.	
Recovery: Clear the RHS for sys_mon_analytics flow and move that flow to RHS.	

Defect ID: DEFECT000578687	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Dashboard
Symptom: Loading of default AMP Summary dashboard takes a long time (~ ten minutes). This is not consistently observed.	
Condition: On launching of NA, loading of default AMP Summary dashboard takes a long time (~ ten minutes).	
Workaround: Restart the client.	

Defect ID: DEFECT000579757	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Performance
Symptom: For CRC errors, historical graph does not show data.	
Condition: When historical performance graph is generated.	

Defect ID: DEFECT000579788	
Technical Severity: High	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.3	**Technology Area:** Performance
Symptom: Incorrect values shown for "CMD SID Port->DID Port " & "Status SID Port<-DID Port" in Real time graph for IT flows.	
Condition: When Real time graph is launched for IT flows.	

Defects closed without code change in IBM Network Advisor 12.4.3

This section lists the defects with Critical, High and Medium technical severity closed with a code change as of Dec 14, 2015 in IBM Network Advisor 12.4.3.

Defect ID: DEFECT000562791	
Technical Severity: Not Reproducible	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** MAPS - Monitoring and Alerting Policy Suite
Symptom: Stats columns shown as inactive in **Flow Monitor** dialog.	
Condition: Active flows are monitored in **Flow Monitor** dialog.	

Defect ID: DEFECT000565018	
Technical Severity: Not Reproducible	**Probability:** High
Product: Network Advisor	**Technology:** Monitoring
Reported In Release: Network Advisor 12.4.2	**Technology Area:** Dashboards
Symptom: "Top Initiator Target LUN flow widget" in Dashboard widget is not displaying the stats.	
Condition: Analytic flows are monitored in Network Advisor and in Dashboard select **Settings** option in the ITL widget and select **OK**.	