

# HP Network Automation Software

Software Version: 10.10

Windows® and Linux® operating systems

## Release Notes

Document Release Date: September 2015

Software Release Date: June 2015



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### Acknowledgements

This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

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## Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
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# Contents

- HP Network Automation Software Release Notes ..... 6
- New Features in this Release ..... 7
- Enhancement Requests Included in this Release ..... 8
- Fixed Defects in this Release ..... 9
- Open Defects ..... 10
  - Open Defects at Release ..... 10
- Documentation Updates ..... 15
- We appreciate your feedback! ..... 16

# HP Network Automation Software Release Notes

This document is for the Windows® and Linux® operating systems.

**Software version:** 10.10

**Publication date:** September 2015

This document is an overview of the changes made to HP Network Automation Software (NA). It contains important information that is not included in other product documentation. This document contains the following information:

- ["New Features in this Release" on the next page](#)
- ["Open Defects" on page 10](#)

The *NA Support Matrix* includes information about system requirements and compatibility with other products. The *NA Support Matrix* is available with the NA installer and from the HP Product Manuals web site at:

<https://softwaresupport.hp.com/group/softwaresupport>

Use your HP Passport account to access this site, or register a new HP Passport identifier.

NA 10.10 ships with the latest driver pack. Newer driver packs (May 2015 or later) are compatible with this version of NA.

This document is updated as new information becomes available. To check for recent updates, or to verify that you are using the most recent edition of a document, go to:

<https://softwaresupport.hp.com/group/softwaresupport>

# New Features in this Release

NA 10.10 includes the following new features and enhancements:

- NA CLI/API improvements:
  - Using CLI/API, you can do the following:
    - Create a new dynamic device group by specifying the filter conditions
    - Change the definition or type of an existing dynamic device group
    - Get the list of all dynamic device groups
    - Get taskname for the PERL API tasks
    - Know if a device group is dynamic or static
    - Know the details of Modify Device Permission and View Partition Permission user roles
    - Know the list of all the user roles and the corresponding types
- Upgrade to JRE (Java Runtime Environment) 8
- Security improvements:
  - Implementation of the Cross-Site Request Forgery (CSRF) protection.
  - Enforcement of a strong password policy.
  - Introduction of salt (random value) for hashing mechanism.
  - Federal Information Processing Standardization (FIPS) Compliance:
    - FIPS mode is enabled by default
    - FIPS applies to all the SSH, SCP, and SFTP connections to and from NA
    - Support for zeroization of keys generated for data in transit or at rest
    - Support for TLS 1.2 (for HTTPS connections)
    - Upgrade to RSA B-SAFE Crypto-J JSAFE and JCE Cryptographic Library v6.1

**Note:** The RSA B-SAFE Crypto-J JSAFE module is FIPS 140-2 certified. The certificate number is 2058.

- Introduction of a banner with customizable text when you attempt log on to the NA user interface.

For a list supported operating systems, databases, and web browsers, see the *HP Network Automation Software 10.10 Support Matrix*.

NA 10.10 also introduces the *NA Hardening Guide* that provides information for increasing the security of your NA installation. You can access this guide from the [HP Software Product Manuals](#) web site.

## Enhancement Requests Included in this Release

The reference number for each defect is the Change Request (QCCR) number. For more information about pending enhancement requests, visit [HP Software Support Online](#), or contact your HP Support representative directly.

The following table lists the enhancement requests included in this release.

Enhancement	Symptom	Area of Modification
QCCR1B111287	API call to list all policies is missing	Integration API
QCCR1B128757	Provide a way to configure the order of items chosen from the device selector	NA console
QCCR1B129568	API lacks ability to associate an enhanced custom attribute with a RIM pool	RIM
QCCR1B125252	Request add, modify, list and delete operations for dynamic device groups	CLI
QCCR1B125255	Request add, modify, list and delete operations for command permission	CLI
QCCR1B129507	Perl API task name assignments not implemented in NA 10.00	CLI

## Fixed Defects in this Release

To view the list of defects fixed in this release, see [NA Fixed Defects Report](#).

# Open Defects

The reference number for each defect is the change request (QCCR) number. For more information about open defects, visit [HP Software Support Online](#), or contact your HP Support representative directly.

## Open Defects at Release

### **QCCR1B133430 - Assigning of users associated with deleted Security Partition does not work as expected**

While deleting a Security Partition, all the objects, such as devices and policies, associated with the deleted partition, are moved to the specified target partition. However, the users do not get moved along with it.

**Workaround:** Move the users from the deleted partition to the target partition manually using the All Users (**Admin > Users**) page.

### **QCCR1B134169 - Launching of the NA context sensitive help is delayed in the Mozilla Firefox browser**

This behavior is observed during remote access. The skin and the formats of the context sensitive help get loaded before the content.

### **QCCR1B132216 - Intermittent Installer hang issue observed in Windows**

When installing on a Windows system, the NA installer hangs for a long time and does not respond to mouse/keyboard inputs. The window can neither be minimized nor be moved using the title bar.

**Solution:** Do the following:

1. Exit the installer. To exit, follow these steps:
  - a. From the Task Manager, select the installer and then click **End Task**.
  - b. Do not accept the prompt to end the task. The installer prompts to check if you want to quit.
  - c. Click **Quit**. The installer exits.
2. Uninstall NA and start the installation afresh.

**Note:** This issue is observed only on high latency and low bandwidth Remote Desktop sessions.

To install or upgrade NA on Windows systems, it is recommended to use any alternative connection mechanism to the system other than Remote Desktop or the tools that use RDP (Remote Desktop Protocol). Some suggestions are as follows:

- Connect to the console directly with the client of the virtualization software that you use.

**Note:** Do not use the `/console` or the `/admin` flag of `mstsc.exe`.

- Use VNC (Virtual Network Computing) to connect to the server where NA is installed.
- Access the console session of the server on which NA is installed. You can access the session by connecting a physical monitor to the server.

### **The Detect Network Devices (DND) task does not work as expected**

In a high scale environment, executing the DND task results in the following:

- Delay in adding devices
- Task execution gets timed out
- Accessible devices getting marked as inactive

**Workaround:** If you face this issue (in a large scale or a small scale environment), add the devices to the inventory through the Import task and then trigger the Discover Driver task.

### **In a Windows HS environment, when trying to integrate NA with Server Automation (SA), the secondary cores do not get authenticated by SA**

This occurs because the opswclient.jar file does not get transferred to the secondary NA core server (from the SA server).

**Workaround:** Download and copy the opswclient.jar from <https://<SA Server FQDN>/twister/opswclient.jar> to the secondary cores in <NA Home>\server\lib\twist. The cores will now be able to log in to the NA console.

### **QCCR1B126539 - Users cannot log in to the NA console when a client certificate exists in the Keychain**

This is a known issue with the Apple Safari browser. When a client certificate exists in the computer's Keychain, the web browser requires a certificate for logging in to the NA console. If public key infrastructure (PKI) authentication has never been enabled or is currently disabled, NA cannot proceed with login.

**Workaround:** Remove all client certificates from the computer's Keychain.

### **QCCR1B126067 - Downloads folder does not open automatically**

This is a known issue with the Apple Safari browser. Files downloaded from the NA core server are saved to the web browser's default download folder. The browser does not present an option to save these files to a different location. Nor does the web browser open the 'Downloads' folder after the download completes.

**Workaround:** Open the 'Downloads' folder and save the downloaded file to a different location.

### **QCCR1B116228 - Check boxes cannot be selected or cleared from the keyboard**

This is a known issue with the Apple Safari browser. When navigating an NA console page from the keyboard (using the Tab key), check boxes do not come into focus. For this reason, it is not possible to change a check box setting from the keyboard.

**Workaround:** Use a mouse or other input device to change check box settings.

### **QCCR1B115899 - Date fields on the search pages do not refresh after being set**

This is a known issue with the Apple Safari browser. On the Search for pages (**Reports > Search For**), date fields do not redraw after a date selection.

**Workaround:** Select the Since and Until values before clicking a calendar icon. Click the calendar icons to set or change a date. The selected date is added to the search filter.

### **QCCR1B116036 - Text offset on the New Partition page**

This is a known issue with the Apple Safari browser. The text about the character limit for the Description field on the New Partition page is offset from the parentheses surrounding the text.

#### **QCCR1B125132 - Visual Highlighting does not work for the Default Device Selector in Internet Explorer**

The default device selector runs in Adobe Flash using Flex. Visual highlighting of current focus using keyboard navigation does not work correctly for Flex in Internet Explorer 10.

**Workaround:** Disable Adobe Flash from running in the NA console as described in "Disabling the Use of Adobe Flash" in the *NA Administration Guide*.

#### **QCCR1B118409 - Device Groups page not fully keyboard accessible**

The table on the Device Groups page of the NA console can be navigated with the keyboard. However, a pointing device must be used to activate the links in the Actions column.

#### **QCCR1B123297 - Screen reader unable to read the Device Groups table headers in Internet Explorer**

In Internet Explorer, the tested screen reader was unable to identify the heading content in the table on the Device Groups page of the NA console.

**Workaround:** Use Firefox when using a screen reader.

#### **QCCR1B111292 - Files missing from Image Synchronization Report**

Saving a file from the Image Synchronization report to the software image repository removes all files of the same name from the report. The files remain on the devices even though they are not visible in the report.

#### **QCCR1B114078 - The NA log-on process continues to request a certificate after PKI user authentication is disabled**

Disabling PKI User Authentication correctly disables the certificate-based authentication (PKI User Authentication) functionality, but the browser still requests a certificate during the NA console log-on process.

**Workaround:** To access the NA console log-on page, in the certificate selection window, click Cancel. Enter the NA user name and password.

#### **QCCR1B114887 - Event rule cannot run the Update Device Software task**

Recent changes to the Update Device Software task require specification of the target devices to determine which slots are available to receive the new files. The process of creating or editing an event notification and response rule to run the Update Device Software task does not provide a way to specify the target devices. Therefore, the event rule task cannot be saved.

#### **QCCR1B114815 - Users can be inadvertently added to the View All Partitions group**

If all customer-created NA user groups do not have the view partition permission specified (view partition permission is set to None), NA adds all users in one of those user groups to the View All Partitions user group. When at least one customer-created NA user group specifies a view partition permission, this behavior is no longer seen.

**Solution:** Verify the permissions of a new NA user before giving log-on information to the new user. If the new user has the View All Partitions permissions in error, do the following:

1. Edit the user group of the new user to select the correct partition in the View Partition Permissions section.
2. Edit the View All Partitions user group to remove the user from the Users in Group list.

#### **QCCR1B115004 - Deletion of the last item in a list in Administrative Settings is not replicated across NA Cores**

In a Distributed environment, NA does not correctly replicate the deletion of the last item in a list on the Administrative Settings pages to the other NA cores.

**Workaround:** On each of the other NA cores, run the **Admin > Distributed > Renew Configuration Options** command.

**QCCR1B102518 - HP NNMi-HP NA integration: some NA interface configurations are not available in NNMi**

Some NA interface configurations are available in the NA console but not in the NNMi console. For information about how NNMi interfaces are mapped to NA ports, see the *HP Network Node Manager i Software—HP Network Automation Integration Guide*.

**QCCR1B102520 - Full-text search returns incorrect results for searches including hyphens**

Full-text search queries that contain a hyphen (-) might return more results than expected.

**QCCR1B86730 - Incorrect SNMPv3 configuration prevents correct device detection**

For a device whose NA configuration includes SNMPv3 settings, NA first tries to communicate with the device using SNMPv3. NA then tries the SNMPv1 or SNMPv2c settings. If the SNMPv3 settings are incorrect, NA does not recognize that the SNMPv3 connection failed and detects the device as a non-active node or an unrecognized host. Therefore, NA does not attempt SNMPv1 or SNMPv2c communication with the device.

**Workaround:** Correct the SNMPv3 settings or remove the SNMPv3 configuration so NA uses only SNMPv1 or SNMPv2.

**QCCR1D88942 - Using SNMPv3 with Privacy and AES192 and AES256 encryption**

Several tasks, including Detect Network Devices and Discover Driver, do not correctly use SNMPv3 with the AES192 or AES256 encryption privacy protocol.

**Workaround:** Use a different encryption method, such as AES128.

**QCCR1D94263 - Users without permissions to all partitions might not be able to compare device configurations**

Users with access to some, but not all, partitions do not see the options for comparing devices on the Configuration Changes tab of the Devices page.

**QCCR1D105486 - CLI driver discovery via Bastion Host does not work for some devices**

When configuring a device to use a Bastion Host server with SSH, the Discover Driver task fails with the following error message: This task did not complete

In addition, the Session Log is not stored for the failed task.

**Workaround:** Discover the driver without the Bastion Host or manually assign the driver.

**QCCR1D78975 - Installation Address**

The IPv4 address range 169.254.0.0/16 is reserved for link-local usage (referred to as APIPA: Automatic Private Internet Protocol Addressing, by Microsoft) and is not applicable addressing for a network application server such as NA. For more information, refer to [http://www.ietf.org/ \(rfc 3330 and rfc3927\)](http://www.ietf.org/rfc/rfc3330).

**QCCR1B127421 - Slow response to check box selection for large tables in Internet Explorer**

With very large data tables, you might see a noticeable delay between when you click the check box for a row and when the check mark appears. This lag was noticed for a device group containing 10,000 devices when the table was set to show all devices. It occurs only in Internet Explorer.

**Workaround:** Do one of the following:

- In Internet Explorer, set tables to show a smaller number of devices, for example 250.
- Run the NA console in Firefox.

**QCCR1B127328 - Duplex Mismatch events are not generated for interfaces with duplicate MAC addresses**

When an interface that is involved in a duplex mismatch has the same MAC address as another interface on the device, NA does not generate the Device Port Duplex Mismatch Detected event. Additionally, NA does not notify an integrated HP Network Node Manager i of the mismatch.

**Workaround:** Ensure that interfaces of interest have unique MAC addresses.

**QCCR1B127993 - Compliance Center - PCI Page text is incorrect in non-English languages**

In non-English installations, the Compliance Center - PCI page displays some text in English and some in the localized language. The localized text might be out of date.

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- Version number for the software
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