Network Automation

Software Version: 10.30

Release notes

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Hewlett Packard Enterprise

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Contents

What's new in NA 10.30

NA 10.30 includes the following new features, enhancements, and support changes.

UI enhancements

Feature/enhancement	Description
Automatic migration of Command Scripts to Change Plan	The following objects are now migrated to change plan: • Command scripts • Command script events • Command script task • Command script permissions • Configuration template • Auto remediation scripts • Event rules • Workflow task for command scripts • Favorite links related to command script **Note:** After migration, if a favorite link is broken, opening it will launch the Change Plan library page.
Change Plan	The New Change Plan page now includes a *Change Plan Tag* field.
Custom background image for Login screen	You can add a custom image for the *NA* Login page. For more information, see the *Customizing the NA Login Page* section in the User guide.
Enable the product version monitor	Monitors the product version, patch, and hotfix level across the mesh. This is not needed for a Standalone NA core. For more information, see the *Server Monitoring* section in the User guide.

Installation enhancements

Feature	Description
Support for PostgreSQL database in horizontal scalability and disaster recovery	You can choose a PostgreSQL database to work with NA configured in the horizontal scalability and disaster recovery environments. For more information, see the *NA Horizontal Scalability Guide* or *NA Disaster Recovery Guide*.

Security enhancements

Feature	Description
Removed default support for TLS v1 and TLSv1.1 from NA web server	By default, NA Web Server has only TLS v1.2 enabled. All existing connections made using TLS v1 and TLS v1.1 will no longer work. For more information to configure the TLS Protocols, see the Hardening guide.
Encrypted database connection	You can now encrypt the connection between the NA core and the database server. For more information, see the *NA Hardening Guide*.

New/modified APIs, parameters, commands, and files

The following APIs, parameters, commands, and files were introduced in this release.

Name	Type	Description

`add advanced script`
`add change plan`
`add command script`
`assign auto remediation script`
`del script`
	CLI commands	Change done to remove or accommodate Change Plan functionality.
		
		For more information, see the *NA CLI/API Command Reference*

Name	Type	Description
deploy change plan list script list script id list script mode mod advanced script mod change plan mod command script mod task remove auto remediation script run advanced script run command script run script show change plan show script		document.

Added support

NA 10.30 adds support for the following operating systems and technologies:

- Microsoft Windows Server 2016 Datacenter Edition

- Microsoft Windows Server 2016 Enterprise Edition

For more information, see the Support Matrix.

Enhancements

NA 10.30 includes the following enhancements:

Identifier	Component	Summary
QCCR1B147969	UI	The Search button is too close to the Connect button on the NA UI
QCCR1B130427	Authentication	Support for LDAP authorization method for ACS.
QCCR1B106901	Performance	Checksum is introduced for snapshot task that compares current and previous configuration data. This reduces load on the database server for large device configurations.

Fixed defects

NA 10.30 fixes the following defects:

Identifier	Component	Summary
QCCR1B150581	Search	Special characters RegEx searches not working as expected.
QCCR1B150038	Proxy Interface	The "Internal proxy error - java.lang.NullPointerException" message appears while logging on to the devices via the NA proxy.
QCCR1B150592	Database	Device configuration cannot be saved into the database.
QCCR1B151662	Satellite	NA syslog_wrapper.log unable to load libwrapper.so error message.
QCCR1B148036	Database	Request to improve the delete statement of the removeDeviceVlanInfoInternalEntries command. To enable this fix: 1. Add the following statement to adjustable_options.rcx: `<option name="vlan/join_delete">true</option>` 2. Restart NA services.
QCCR1B150263	Scheduler	When using the Event Notification and Response rules and running an external command, the $TaskID$ variable needs to be available. To enable this fix: 1. Add the following statement to adjustable_options.rcx: `<option name="record/delete/eventtaskid">true</option>` 2. Restart NA services.

QCCR1B150904	Reporting	CSV of Compliance Report does not display the correct data.
		
		This fix provides you with an option to disable the View Detailed CSV Report link.
		
		To disable the View Detailed CSV Report link:
		
		1. Go to the following location on the NA core:
		    ○ Windows: *<NA_HOME>*`\jre`
		    ○ Linux: *<NA_HOME>*`/jre`

Identifier	Component	Summary
		2. Open the `adjustable_options.rcx` file with a text editor. 3. Add the following content: `<option name="policy/show_upper_ link">false</option>` 4. Save the file. 5. Restart all NA services.

QCCR1B151601	Scheduler	Serial tasks block the execution of a parallel task with a lower priority.
		
		The fix provides a mechanism to administratively override the priority of serial tasks.
		
		It is recommended that serial tasks be run with low priority.
		
		To change the priority of serial tasks:
		
		1. Open the `adjustable_options.rcx` file from the following location:
		
		   ○ Windows: *<NA_HOME>*`\jre`
		
		   ○ Linux: *<NA_HOME>*`/jre`
		
		2. Add the following content:
		
		`<option name="scheduler/serialTaskAdminRestrictedPriority" >4</option>`
		You can set the `scheduler/serialTaskAdminRestrictedPriority` option to a value between 1 and 5 (1 represents the highest priority).
		
		3. Save the file.
		
		4. Restart the NA services.

QCCR1B151989	User Management	NA 10.11 does not send the source address of API users for TACACS Authentication.
QCCR1B151991		Request to include IP address on the Jboss logs when a script is run on a remote machine.
QCCR1B152029	Core Application Server	LDAP authentication fails for certain users.
QCCR1B152070	Proxy Interface	'read timeout' is diagnosed as 'timeout' while waiting for a prompt that is blocked by --More-- paging.

Identifier	Component	Summary
QCCR1B152072	Web UI	User is not able to select all the devices in the inventory while running a task. To enable the fix: 1. Add the following content to the adjustable options.rcx file: `<option name="dojo/devicechooser/row_per_ page">100</option>` 2. Save the file. 3. Restart NA services.
QCCR1B152635	Snapshots	Diffie-Hellman algorithm works for some devices, but breaks SSH communication for others.
QCCR1B154333		After RMI port hardening, the FTP server stopped after a few seconds.

Known issues, limitations, and workarounds

This release has the following known issues and limitations.

Identifier	Issue	Workaround
QCCR1B151353	When a user is added through the SOAP API, an error message appears.	None
QCCR1B152527	The following Error message appears in the jboss.wrapper log file: [STDERR] System property [org.owasp.esapi.opsteam] is not set	Ignore the error message.
QCCR1B148354	Task templates require approval	None
QCCR1B146632	Inconsistent naming of API calls to create policy/rule/condition/exception objects	None
QCCR1B146284	Need an option to prevent users from overwriting an existing device group when creating new groups	None

Deprecations

The following functionality is now deprecated.

Deprecated items

Item	Deprecated since version
Command Script is obsolete and Change Plan should be used.	10.30

Localization

Network Automation has stopped localized software for the following languages:

- Simplified Chinese
- Russian
- Korean

When you upgrade from any of these languages, all UI texts, labels, and control elements will be in English.

This change does not have an effect on the content in the database.

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