

vRealize Network Insight Command-Line Interface Reference Guide

vRealize Network Insight 3.2

This document supports the version of each product listed and supports all subsequent versions until the document is replaced by a new edition. To check for more recent editions of this document, see <http://www.vmware.com/support/pubs>.

EN-002215-01

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Intended Audience

This information is intended for administrators or specialists responsible for using VMware vRealize® Network Insight™ 3.2 command line interface.

Document conventions

Conventions	Description
Bold	<p>Lowercase commands and mixed case commands that are otherwise difficult to distinguish from surrounding text.</p> <p>Interface controls (check boxes, push buttons, radio buttons, spin buttons, text boxes, folders, icons, list boxes, items inside list boxes, multicolumn lists, containers, menu choices, menu names, tabs, property sheets), labels (such as Tip and Operating system considerations)</p> <p>Keywords and parameters in text.</p>
<i>Italic</i>	<p>Emphasis of words (words as words)</p> <p>Variables and values you must provide</p>
Monospace	<p>Examples and code examples</p> <p>Filenames, programming keywords, and other elements that are difficult to distinguish from surrounding text</p> <p>Message text and prompts addressed to the user</p> <p>Text that the user must enter</p> <p>Values for arguments or command options</p>

Support

To deploy VMware vRealize® Network Insight™ and for any troubleshooting queries, contact the support team.

Introduction to the VMware vRealize Network Insight Command Line Interface

VMware vRealize® Network Insight™ 3.2 provides a Command Line Interface (CLI) to manage the Proxy and Platform configuration. The CLI includes an auto-complete feature that recognizes a command by its initial characters and completes the command when you press the Tab key. Each command has a `-h` option parameter that provides information on that command.

Log in to the vRealize Network Insight CLI

vRealize Network Insight provides CLI login credentials using Secure Socket Shell (SSH) client or the console.

Procedure

To log into the command line interface:

1. Type **consoleuser** as the user name.
2. Type **ark1nc0ns0I3** as the password.

vRealize Network Insight CLI Commands

This reference includes examples for syntax information for each command.

help

Command	Description	Usage	Examples
help	Displays a list of commands with a short description about their use.	To view the list of commands without short description, use the -a flag.	help help -a

show-service-status

Command	Description	Usage	Examples
show-service-status	Shows the status of all vRealize Network Insight services running on the PLATFORM or PROXY VMs.		<pre> PLATFORM- (cli) show-service-status ElasticSearch is running. HMaster is running. HRegionServer is running. Kafka is running. QuorumPeerMain is running. ResourceManager is running. NodeManager is running. SaasListener is running. restapilayer is running. SamzaAppMaster is running. SamzaContainer is running. Launcher is running. postgresql is running. nginx is running. patroni is running. All required services are running. ----- PROXY- (cli) show-service-status CollectorMain is running. IpfixProcessor is running. postgresql is running. nginx is running. nfcapd is running. </pre>

set-web-proxy

Command	Description	Usage	Examples
set-web-proxy	Enables or disables the Web proxy or shows the status of the Web proxy.	set-web-proxy [--ip IP] [--port PORT] {enable,disable,show}	<pre>set-web-proxy enable --ip-fqdn "x.y.local" --port 8080 set-web-proxy disable set-web-proxy show</pre>

Syntax

Flag	Description
--ip	IP address to enable the Web proxy.
--port	Port number to enable the Web proxy.
enable disable show	Enables or disables or displays the configuration settings.

logout

Command	Description	Usage	Examples
logout	Exits from the interactive shell of the CLI.		

nslookup

Command	Description	Usage	Examples
nslookup	Queries Internet name servers interactively.	nslookup FQDN	nslookup example.com

Syntax

Flag	Description
fqdn	Server name to query such as example.com.

Related Commands

Command	Description
ping	Pings a machine.
telnet	Tests whether a specific TCP port is open.
traceroute	Prints route IP packets sent to a remote host.

ping

Command	Description	Usage	Examples
ping	Pings a host.	ping host	ping example.com

Syntax

Flag	Description
host	IP address or FQDN of the host to ping.

Related Commands

Command	Description
nslookup	Queries Internet name servers interactively.
telnet	Tests whether a specific TCP port is open.
traceroute	Prints route IP packets sent to a remote host.

telnet

Command	Description	Usage	Examples
telnet	<p>Test whether a specific TCP port is open. This command is for interactive communication with the host on a particular port number.</p> <p>PORT is an optional parameter. You must provide a host other than localhost or 127.0.0.1.</p>	telnet host port	<pre>telnet 192.168.0.59 80 telnet example.com 80</pre>

Syntax

Flag	Description
host	IP/FQDN of the host
port	Port number of the host.

Related Commands

Command	Description
nslookup	Queries Internet name servers interactively.
ping	Pings any machine.
traceroute	Prints route IP packets sent to a remote host.

traceroute

Command	Description	Usage	Examples
traceroute	Prints route IP packets sent to a remote host for the host that you provide as the parameter.	traceroute host	traceroute example.com

Syntax

Flag	Description
host	Name of the host such as example.com.

Related Commands

Command	Description
nslookup	Queries Internet name servers interactively.
ping	Pings any machine.
telnet	Tests if a specific TCP port is open

setup

Command	Description	Usage	Examples
setup	<p>Sets up the network configuration. This command works in two modes: no arguments (default interactive) and with-ova-params. In the default interactive mode, no parameters are specified and multiple questions appear. In the with-ova-params mode, the command runs with parameters specified during OVA deployment.</p> <p>You can only change the IP address before the pairing of the Platform and Proxy. If the gateway IP subnet changes, you might need to reboot the VM.</p>	<pre>setup [{with-ova-params}]</pre>	<pre>setup</pre> <pre>setup with-ova-params</pre>

Syntax

Flag	Description
-	<p>No parameters</p> <pre>Running setup: Interactive Mode. Warning!!!: Only selective configuration can be changed (y/n):y ovaops: configure deployed state Currently IP_Address = 192.168.21.56 , keep this (y/n)? [y]: n Enter new IP_Address (e.g. 192.168.0.10): 192.168.21.50 Currently Netmask = 255.255.255.0 , keep this (y/n)? [y]: y</pre>

	<pre> Currently Default_Gateway = 192.168.21.1 , keep this (y/n)? [y]: Y Currently DNS = 4.2.2.4 8.8.8.8 , keep this (y/n)? [y]: y Currently Domain_Search = [None] , keep this (y/n)? [y]: y Currently NTP = 0.pool.ntp.org 1.pool.ntp.org 2.pool.ntp.org 3.pool.ntp.org , keep this (y/n)? [y]: y Currently Rsyslog_IP = [None] , keep this (y/n)? [y]: y Currently Web_Proxy_IP = [None] , keep this (y/n)? [y]: y Currently Web_Proxy_Port = [None] , keep this (y/n)? [y]: y Currently Log_Push = True , keep this (y/n)? [y]: y y ----- Received below values: ----- IP_Address = 192.168.21.50 Netmask = 255.255.255.0 Default_Gateway = 192.168.21.1 DNS = 4.2.2.4 8.8.8.8 Domain_Search = [None] NTP = 0.pool.ntp.org 1.pool.ntp.org 2.pool.ntp.org 3.pool.ntp.org Rsyslog_IP = [None] Web_Proxy_IP = [None] Web_Proxy_Port = [None] Log_Push = True Configure and save configuration (y/n) [y]: n </pre>
with-ova-params	Uses parameters passed during OVA deployment

services

Command	Description	Usage	Examples
services	Starts, stops, or restarts vRealize Network Insight services.	services {start,stop,restart}	services start services stop services restart

Syntax

Flag	Description
start stop restart	Starts, stops, or restarts the appliance service based on the parameter that you pass.

support-tunnel

Command	Description	Usage	Examples
support-tunnel	Enables, disables, or shows the status of the support tunnel	support-tunnel {enable,disable,status}	support-tunnel enable support-tunnel disable support-tunnel status

Syntax

Flag	Description
enable disable status	Provides the status or enables or disables the support tunnel.

show-config

Command	Description	Usage	Examples
show-config	Shows the CLI configurations. Displays the CLI console banner, network configurations, and ova parameters.	show-config	(cli) show-config network configurations: IP Address: 192.168.21.55 Netmask: 255.255.255.0 Gateway: 192.168.21.1 DNS nameservers: 4.2.2.4 8.8.8.8 Domain Search list: arkin.net NTP servers: 0.pool.ntp.org 1.pool.ntp.org 2.pool.ntp.org 3.pool.ntp.org

show-connectivity-status

Command	Description	Examples
show-connectivity-status	Displays the connectivity status with all systems.	(cli) show-connectivity-status Platform VM Deployment ID: DOAR7MD Instance ID: IOAR7MT Created On: Sat Jul 23 00:39:57 UTC 2016 (1469234397) IP Address: 192.168.21.55 Netmask: 255.255.255.0 Gateway: 192.168.21.1 DNS nameservers: 4.2.2.4 8.8.8.8 NTP servers: 0.pool.ntp.org 1.pool.ntp.org 2.pool.ntp.org 3.pool.ntp.org Gateway ping status: Success Upgrade connectivity status: Passed Support connectivity status: Disabled

set-proxy-shared-secret

Command	Description	Usage	Examples
set-proxy-shared-secret	Configures the platform IP only on the Proxy VM.	set-proxy-shared-secret {secret}	

Syntax

Flag	Description
secret	Secret key that the platform interface generates.

support-bundle

Command	Description	Usage	Examples
support-bundle	Provides support related logs for debugging.	support-bundle [-h] {list,create,delete,copy}	

Syntax

Flag	Description
list	Lists all support bundles created so far. Example: support-bundle list
create	Creates a support bundle to be shared for debugging. Example: support-bundle create
delete	Deletes specific or all bundle files. Example: To delete a specific bundle file: support-bundle delete --bundle DOAUAAO-IOAUACW-07252016-162328 To delete all bundle files: support-bundle delete
copy	SCP to any host for sharing with the support team. Example: support-bundle copy --user support --ip 192.168.1.1 --port 22 --bundle DOAUAAO-IOAUACW-07252016-162328 --targetpath /tmp

log-trace

Command	Description	Usage	Examples
log-trace	Displays a list of all log files and also component specific logs that help during debugging.	log-trace [-h] {list,grep, follow, display}	

Syntax

Flag	Description
list	Lists all log files that can be displayed and also lists the component specific logs. Example: log-trace list
follow	Usage: log-trace [-h] follow <file name> Example: log-trace follow /var/log/arkin/arkin_cli_install.log
grep	Usage: usage: log-trace grep [-h] pattern filename Example: log-trace grep "ERROR" /var/log/arkin/arkin_cli_install.log
display	Usage: usage: log-trace display [-h] filename numlines Example: log-trace display /var/log/arkin/arkin_cli_install.log 20 (to display first 20 lines)

disk-usage

Command	Description	Usage	Examples
disk-usage	Displays current disk partition disk usage statistics.	disk-usage	disk-usage

logs-to-cloud

Command	Description	Usage	Examples
logs-to-cloud	Enables, disables or displays status of the logs that are pushed to the cloud.	logs-to-cloud [-h] {show,enable,disable}	logs-to-cloud enable logs-to-cloud disable logs-to-cloud status

Syntax

Flag	Description
enable disable status	Provides the status or enables or disables the logs that are pushed to the cloud.

package-installer

Command	Description
Package-installer	Manage upgrade (offline)

Usage

package-installer copy --host <IP> --user <username> --path <bundle file absolute path>	Copy the bundle to vRNI Platform/Proxy
package-installer upgrade	Run the upgrade

Example

package-installer copy --host 192.168.21.22 --user ubuntu --path /home/ubuntu/VMWare-vRNI.3.1.0.1473143945.upgrade.bundle
package-installer upgrade

Syntax

Flag	Description
--host	IP address, where upgrade bundle is downloaded from VMware download portal. Upgrade bundle should be downloaded on any Linux machine from where the bundle can be scp to vRealize Network Insight Platform or Proxy
--user	User, who can be used to authenticate the Linux machine
--path	Source path where the bundle is downloaded from VMware portal on Linux Machine
--port	(Optional) - In case ssh port on Linux machine running other than port 22

tool-manager

Command	Description
tool-manager	Helps to run tool

Usage

tool-manager copy --host <IP> --user <username> --path <tool bundle file absolute path>	Copy the tool bundle to vRealize Network Insight Platform/Proxy
tool-manager run --name <tool name>	Run tool

Example

tool-manager copy --host 192.168.21.18 --user ubuntu --path /home/ubuntu/patch-online-upgrade-3.0.0_201609151002.bundle
tool-manager run --name patch-online-upgrade-3.0.0_201609151002

Syntax

Flag	Description
--host	IP address where tool bundle is downloaded from VMware download portal. Tool bundle should be downloaded on any Linux machine from where the bundle can be scp to vRealize Network Insight Platform or Proxy
--user	User, who can be used to authenticate the Linux machine
--path	Source path where the bundle is downloaded from VMware portal in Linux Machine
--port	(Optional) - In case ssh port on Linux machine running other than port 22

vrni-proxy

Command	Description
vrni-proxy	vRealize Network Insight proxy managing utility

Example

ONSAAS: vrni-proxy set-platform --ip-or-fqdn 192.168.10.12
ONPREM: vrni-proxy set-platform --ip-or-fqdn platform.exampledomain.com
vrni-proxy platform-pair-status

Syntax

Flag	Description
<code>--ip-or-fqdn</code>	Provide IP Address if Platform is onprem Provide FQDN if Platform is onsaas

show-version

Command	Description
<code>show-version</code>	Displays current version

Usage

<code>show-version</code>	Show current vRealize Network Insight version
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telemetry

Command	Description	Usage	Examples
<code>telemetry</code>	Enables, disables, or shows the status of the system health data collection	<code>telemetry</code> {enable,disable,show}	<code>telemetry enable</code> <code>telemetry disable</code> <code>telemetry show</code>

Syntax

Flag	Description
<code>enable disable show</code>	Provides the status or enables or disables the system health data collection.

modify-password

Command	Description	Usage	Examples
<code>modify-password [-h]</code> {support,consoleuser}	Modify user's ssh access password (cli) <code>modify-password consoleuser</code> Changing consoleuser user password New password: Verify password:	<code>modify-password [-h]</code> {support,consoleuser}	<code>modify-password support</code> <code>modify-password consoleuser</code>

Syntax

Flag	Description
positional arguments: {support,consoleuser}	Example invocations: (cli) <code>modify-password support</code> Changing support user password New password:

	<pre>Verify password: (cli) modify-password consoleuser Changing consoleuser user password New password: Verify password:</pre>
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custom-cert

Command	Description	Usage	Examples
custom-cert	Applies custom certificate for UI access	custom-cert [-h] {copy,apply,list,remove, ,display}	custom-cert list custom-cert apply custom-cert display custom-cert remove

Syntax

Flag	Description
positional arguments: {copy,apply,list,remove,display}	<pre>apply - recertifies setup with new certificate copy - copies file locally using scp list - lists custom certificate remove - removes custom certificate display - displays custom certificate details</pre> <p>Example of copy:</p> <pre>(cli) custom-cert copy --host "10.1.1.1" --user "adminxyz" --port 22 --path "/tmp/file.crt" (cli) custom-cert copy --host "10.1.1.1" --user "adminxyz" --port 22 --path "/tmp/file.key"</pre>

appliance-reboot

Command	Description	Usage	Examples
appliance-reboot	Reboots the appliance	appliance-reboot [-h] {now}	appliance-reboot now

Syntax

Flag	Description
positional arguments: {now}	Used to avoid accidental invocation.

set-banner

Command	Description	Usage	Examples
set-banner	Sets the ssh banner and post-login banner for consoleuser	set-banner [-h] {support,consoleuser} banner	set-banner support "Banner Text" set-banner consoleuser "Banner Text"

Syntax

Flag	Description
positional arguments: {support,consoleuser} banner Quoted text with \n for new line	Example invocations: <pre>(cli) set-banner support "This is a ssh banner.\nRestricted access only!!" Successfully set banner! (cli) set-banner consoleuser "This is a post-login banner for consoleuser" Successfully set banner! (cli) logout</pre> <pre># ssh support@10.126.55.193 This is a ssh banner. Restricted access only!! support@10.126.55.193's password:</pre> <pre># ssh consoleuser@10.126.55.193 This is a ssh banner. Restricted access only!! consoleuser@10.126.55.193's password: This is a post-login banner for consoleuser (cli)</pre>