

vRealize Network Insight Command-Line Interface Reference Guide

vRealize Network Insight 3.1

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>.

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Intended Audience

This information is intended for administrators or specialists responsible for using VMware vRealize® Network Insight™ 3.1 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™ 3.1 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 ssh 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. | | 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. |

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 --ip 192.168.0.60 --port 8088 enable 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. |
| tracert | 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. |
| tracert | Prints route IP packets sent to a remote host. |

tracert

| Command | Description | Usage | Examples |
|---------|---|--------------|---------------------|
| tracert | Prints route IP packets sent to a remote host for the host that you provide as the parameter. | tracert host | tracert 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 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 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 -----</pre> |

| | |
|-----------------|--|
| | <pre>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. | show-config | |

| | | | |
|--|--|--|--|
| | Displays the CLI console banner, network configurations, and ova parameters. | | <pre>(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</pre> |
|--|--|--|--|

show-connectivity-status

| Command | Description | Usage | Examples |
|--------------------------|--|-------|--|
| show-connectivity-status | Displays the connectivity status with all systems. | | <pre>(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</pre> |

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

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

Example

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

Syntax

| Flag | Description |
|---------------------|---|
| <code>--host</code> | 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 |
| <code>--user</code> | User, who can be used to authenticate the Linux machine |
| <code>--path</code> | Source path where the bundle is downloaded from VMware portal on Linux Machine |
| <code>--port</code> | (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 |
|---------------------------|---|

telemetry

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

Syntax

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