Release Notes
For
OmniVista Network Advisor 1.4

Alcatel·Lucent *A*
Enterprise

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OmniVista Network Advisor Production Release Notes 1.4

The Release Notes detail Prerequisites, Upgrade Steps, New Features, and Known Issues/Workarounds for OmniVista Network Advisor. Please read the Release Notes in their entirety as they contain important operational information that may impact successful use of the application.

- **Technical Support**
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- **New Features**
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Technical Support

ALE technical support is committed to resolving our customer's technical issues in a timely manner. Customers with inquiries should contact us at:

Country	Supported Language	Toll Free Number
France, Belgium, Luxembourg	French	+800-00200100
Germany, Austria, Switzerland	German	
United Kingdom, Italy, Australia, Denmark, Ireland, Netherlands, South Africa, Norway, Poland, Sweden, Czech Republic, Estonia, Finland, Greece, Slovakia, Portugal	English	
Spain	Spanish	
India	English	+1 800 102 3277
Singapore	English	+65 6812 1700
Hong-Kong	English	+852 2104 8999
South Korea	English	+822 519 9170
Australia	English	+61 2 83 06 51 51
USA	English	+1 800 995 2696
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Fax: +33(0)3 69 20 85 85 **Email**: ale.welcomecenter@al-enterprise.com **Web** : myportal.al-enterprise.com		

> ℹ️ I**nternet:** Customers with service agreements may open cases 24 hours a day via the support web page. Upon opening a case, customers will receive a case number and may review, update, or escalate support cases on-line.

Related Documentation

> ✅ Refer to https://docs.ovcirrus.com/networkadvisor14 for the latest documentation

- OmniVista Network Advisor 1.4 User Guide:
  https://docs.ovcirrus.com/networkadvisor14/omnivista-network-advisor-documentation
- OmniVista Network Advisor 1.4 Release Notes:
  https://docs.ovcirrus.com/networkadvisor14/omnivista-network-advisor-production-release-notes
  This document is also available for download as PDF from MyPortal
- OmniVista Network Advisor 1.4 Anomalies Reference:
  https://docs.ovcirrus.com/networkadvisor14/omnivista-network-advisor-anomalies-reference
- OmniVista Network Advisor 1.4 Service Description:
  https://myportal.al-enterprise.com/a4FSZ0000026ULf2AM
- Rainbow documentation:
  R Rainbow : Simplify your communications with the cloud

Prerequisites

The following prerequisites must be verified/configured before using OmniVista Network Advisor:

- System Requirements
- Devices Prerequisites
- Rainbow Prerequisites
- OmniVista Enterprise and Cirrus Prerequisites

System Requirements

The following are the suggested minimum requirements for installing and running the OmniVista Network Advisor application.

- Internet access is mandatory.
- Processor: Quad-core. The CPU must support Advanced Vector Extensions (AVX).
- RAM: 8 GB
- HDD: Up to 200 devices, 50 GB (To allow for storage of syslog messages)
  - For 1,000 devices, 120GB storage is recommended
  - For 2,000 devices, 210GB storage is recommended
- Linux OS: Ubuntu 22.04 Server Edition or Debian 11 or 12
  - For installation on RHEL, ensure that ***firewalld*** is turned off.
- The minimum requirements for OmniVista Network Advisor support on OmniVista are:
  - OmniVista Enterprise 4.8R2 and above
  - OmniVista Cirrus 4.8.2 and above.
- When using Microsoft Teams, ensure that ***smba.trafficmanager*** is turned off.
- Ports:
  - TCP 80/443 (HTTP/S for WebUI),
  - UDP, TCP 10514 (Syslog),

- TCP with secure TLS 6514 (Syslog over TLS)
- TCP 22 (SSH/SFTP Application to devices or access to Application),
- TCP 443 (Setup Installation and Cloud Services)
- By default, Kubernetes uses the following IP address ranges for its various components:
  - Pods: 10.42.0.0/16 for IPv4 and IPv6
  - Services: 10.43.0.0/16 for IPv4 and IPv6
  - CoreDNS: 10.43.0.10 for IPv4

> ℹ️ Please ensure that these address ranges do not conflict with any existing networks or services in your environment, as this may cause connectivity issues with your Kubernetes cluster.

Devices Prerequisites

Applies to ALE **OmniSwitch LAN switches** and **OmniAccess Stellar WLAN APs.**

The equipment must be running the following minimum software versions:

- OS6xxx and 9xxx models, AOS 8.7.R2 or higher.
- OS2xxx, AOS 5.2.R1 or higher.
- Stellar APs, AWOS 4.0.3 MR-3 or higher.

Supported equipment listed below and available here

OmniVista Network Advisor Supported Equipment List		
Product Line		**Product Family**
WLAN AP	OmniAccess Stellar	OAW-AP1201
WLAN AP	OmniAccess Stellar	OAW-AP122x
WLAN AP	OmniAccess Stellar	OAW-AP123x
WLAN AP	OmniAccess Stellar	OAW-AP1251
WLAN AP	OmniAccess Stellar	OAW-AP1301
WLAN AP	OmniAccess Stellar	OAW-AP1301H
WLAN AP	OmniAccess Stellar	OAW-AP1311
WLAN AP	OmniAccess Stellar	OAW-AP132x
WLAN AP	OmniAccess Stellar	OAW-AP1331
WLAN AP	OmniAccess Stellar	OAW-AP1351
WLAN AP	OmniAccess Stellar	OAW-AP136x
WLAN AP	OmniAccess Stellar	OAW-AP1411
WLAN AP	OmniAccess Stellar	OAW-AP1431
WLAN AP	OmniAccess Stellar	OAW-AP1451
LAN SWITCH	OmniSwitch	OS6360
LAN SWITCH	OmniSwitch	OS6465

LAN SWITCH	OmniSwitch	OS6560
LAN SWITCH	OmniSwitch	OS6570
LAN SWITCH	OmniSwitch	OS6865
LAN SWITCH	OmniSwitch	OS6860
LAN SWITCH	OmniSwitch	OS6900
LAN SWITCH	OmniSwitch	OS9900
LAN SWITCH	OmniSwitch	OS2260
LAN SWITCH	OmniSwitch	OS2360

ℹ **Note:** Please use the latest supported OmniAccess Stellar and OmniSwitch release.

ℹ **Note:** Correct NTP settings on all devices are mandatory for OmniVista Network Advisor service.

Rainbow Prerequisites

OmniVista Network Advisor users must have an active Rainbow account. A dedicated service account is required for the setup of OmniVista Network Advisor. If you don't yet have an account navigate to the below URL to sign up.

🔗 Rainbow by Alcatel-Lucent enterprise

ℹ When using Rainbow, the OVNA host must have access to https:/web.openrainbow.com

OmniVista Enterprise and Cirrus Prerequisites

- OmniVista synchronization requires OmniVista Enterprise 4.8.R2 and above.
- OmniVista synchronization requires OmniVista Cirrus 4.8.2 and above.

Upgrade Steps from OmniVista Network Advisor 1.X

- Download the latest package file from MyPortal and copy it to your linux host.
- Use the following command to upgrade OmniVista Network Advisor

  ```
  -> sudo ale-ovna update
  ```

- The command will first check if a .deb has to be updated.
  - `if yes, the new .Deb is downloaded after which command will exit saying that a new .Deb has been installled and invite the user to relaunch "ale-ovna update" to update the software using the last ale-ovna
  - if no , software update is performed normally.

For installation example, see Installation section of OmniVista Network Advisor User Guide

New Features

Data Collection and Analysis Using APIs from Third-Party Devices

OmniVista Network Advisor now has the capability to connect to third-party network devices and collect syslog data. The collected syslogs can be analyzed using custom anomalies designed to process this data. With the necessary device connection and

command execution permissions, custom remediation actions for these anomalies can be executed on the third-party device.

License Support for Third-Party Devices

A new license part number must be created and assigned to third-party devices to enable their integration and management within the system as implemented. This allows for proper tracking, support, and utilization of the third-party devices under the OmniVista Network Advisor platform.

Custom Anomaly and Remediation Creation

OmniVista Network Advisor now allows the creation of custom anomalies and their corresponding remediations. By setting up a custom anomaly, you can define and manage its remediations directly on the "Custom Anomaly" page.

Rollback of Remediations via Rainbow

OmniVista Network Advisor now provides the ability to roll back remediations directly through Rainbow. Previously, when an anomaly was detected, a remediation was suggested through an adaptive card in Rainbow. If the remediation was applied by mistake or if the user wanted to roll it back, they had to manually access OVNA, find the anomaly, and perform the rollback. This new feature streamlines the process, allowing users to revert changes quickly and efficiently.

Support for OVNA Installation on Official RedHat Enterprise Version

OmniVista Network Advisor now supports installation on the official RedHat Enterprise Linux (RHEL) version. This ensures compatibility with RHEL, enabling organizations to deploy OVNA seamlessly on RedHat's robust, enterprise-grade operating system for enhanced reliability, security, and performance in managing network devices.

OmniVista Network Advisor Now Available in French

The OmniVista Network Advisor solution is now offered in the French language, providing a localized experience for French-speaking users. This update enhances accessibility and usability, allowing users to navigate and manage network features in their preferred language.

Microsoft Teams Integration in OmniVista Network Advisor

To expand OVNA's strategy beyond Rainbow, OmniVista Network Advisor now officially supports Microsoft Teams. This integration allows users to utilize Microsoft Teams as a collaborative tool within the Network Advisor solution, enhancing flexibility and collaboration options.

Known Issues and Workarounds

- Internet access is mandatory for the installation setup and for proper functioning.
- After any OmniSwitch devices reboot if no 'write memory' has been done the following two commands must be run so the devices are still monitored by OmniVista Network Advisor:

```
-> swlog output socket <IP address> <port>
```

```
-> appmgr restart ams cron-app
```

The above command is valid for OS6xxx and OS9xxx only.

- Network Loop anomaly is only supported on OmniSwitch models OS6860(E), OS6860N, OS6900.
- OS6860 and OS6860N Core dumps are generated until the 'pmd' directory is full. Fixed in AOS 8.9R01 GA.

·   AOS switches: When setting the TLS method in syslog, the correct outgoing interface is not correctly set with the command ***ip service source-ip <interface-2> all*** if <interface-1> is changed by <interface-2>. Fix is planned with 8.9R04 GA.

- Stellar APs running in Express mode support remote syslog server port 514 only.
- Incorrect NTP settings may prevent a device from being properly monitored by OmniVista Network Advisor.
- Some anomalies do not work if the switch is configured in aaa JITC or aaa enhanced mode.
- Activation of DEBUG log on the OmniSwitch can result in a high impact on OmniVista Network Advisor storage.
- Backup files must be deleted manually by OmniVista Network Advisor operator on the host instance.
- When using a proxy during the installation of OmniVista Network Advisor, the "Check Connection" button may fail. However, after setup, all other Rainbow operations (e.g., notifications, remediation) function normally, and OmniVista Network Advisor operates as expected.

Fixed Issues

The issues below were fixed in this release.

Case / CR	Description
00775957 *CRONA-94*	The DDOS attack Rainbow notification is generated twice when using the logger on a switch running 8.9R04GA. 🔒 Click for Additional Information

Deprecated Anomalies / Anomalies Changes

The following table lists deprecated anomalies or changes by release.

For AOS 8.x Supported Platforms
NA
For AOS 5.x Supported Platforms
NA
For AWOS Supported Platforms
NA