ALE | **Where Everything Connects**

Alcatel-Lucent OmniVista Cirrus

Simple, secure cloud-based
network management as a service

Alcatel-Lucent OmniVista® Cirrus is a scalable, resilient, secure cloud-based network management for unified access offered as a subscription service. OmniVista Cirrus offers an easy to deploy, effective way to manage and monitor Alcatel-Lucent Enterprise switches and Alcatel-Lucent OmniAccess® Stellar access point infrastructure. It provides advanced policy capabilities for guest access and BYOD as well as advanced analytics for smarter decision making.

OmniVista Cirrus is a subscription-based service, facilitating alignment with your new business imperatives. Ease of purchasing, provisioning and on-going daily operations are at the core of OmniVista Cirrus. This facilitates your digital transformation, allowing you to be quick to respond to new business needs, but without high upfront costs or complex infrastructure changes or software deployments. Shifting to a cloud based network management solution with OmniVista Cirrus simplifies digital transformation by reducing cost and administrative IT burden.

OmniVista Cirrus sets a new IT experience standard for simple yet powerful capabilities. OmniVista Cirrus can scale and adapt to your business requirements. It offers advanced visibility and control over users and applications. By focusing on core IT operations OmniVista Cirrus comprehensive management solution makes it easy to improve application performance and troubleshoot issues in deployments with distributed locations and limited IT staff. OmniVista Cirrus protects your network infrastructure investment by adapting to changing business needs without expensive "rip and replace."
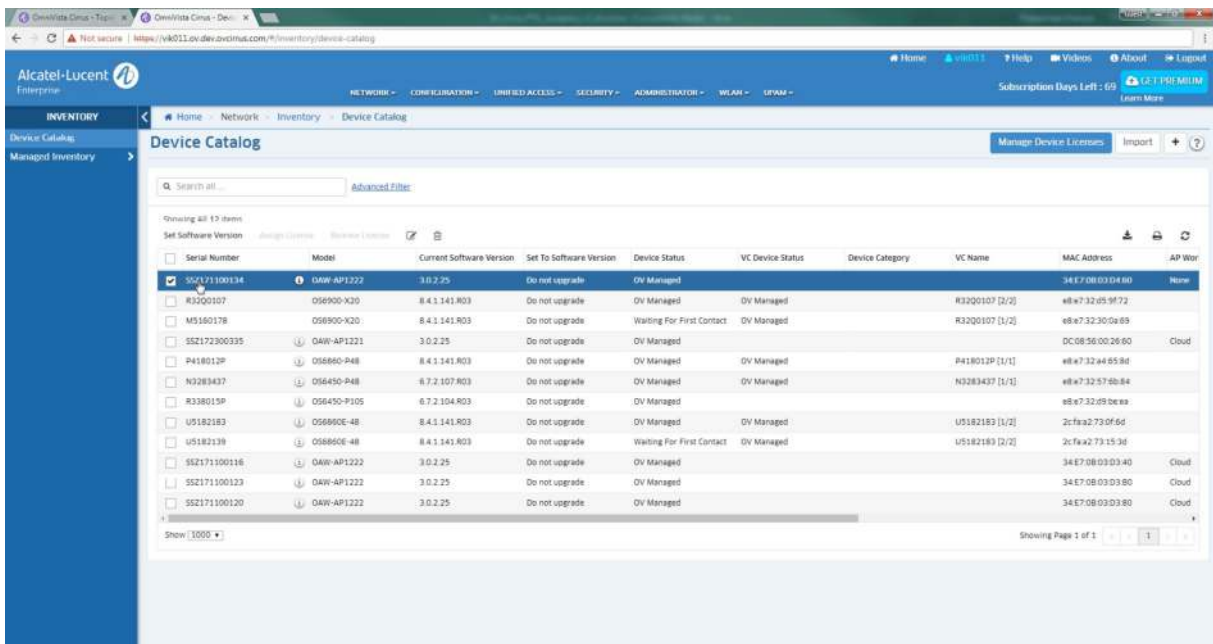
Alcatel·Lucent
Enterprise

| Features	Benefits
Multi-site management	• Provides centralized management of multiple virtual or physical sites • Consolidates critical management information from across the entire network for a global and consistent network experience
Investment protection	• ALE wired and wireless network devices can be migrated from on-premises network management to the cloud with OmniVista Cirrus with just an appropriate firmware version • Quickly adapt your network infrastructure to meet the changing needs of your business without costly hardware replacement or complex network re-architecture for maximum business alignment
Highly scalable	• Provide cloud scalability from small to large network deployments without network reconfiguration • Designed to scale and adapt to your business transformation imperatives during subscription
Highly available	• Hosted in multiple regional data centers with optimal 99.99% availability • Maximum availability ensured with backup and redundant services and disaster recovery provided by each data center
Highly secure	• OmniVista Cirrus with separation of out of band control plane (management traffic) and user data • Secure communications with the highest level of protection using certificates ranging from a mutual cloud to device authentication
Easy to deploy	• Simplified device inventory management and cloud on-boarding with mobile apps (IOS and Android) • Faster service roll-out with Zero-touch automated provisioning of managed network devices • Minimal network expertise required for initial enterprise network set up and daily operations, offloading IT resources
Unified access with integrated guest access and BYOD support	• Reduced administration time and effort while providing consistent network experience across LAN and WLAN services • Extensive guest access and BYOD support for on-boarding and management of visitor and employed personal devices
Advanced analytics	• Ensure consistent user experience to support all business requirements across the network infrastructure • Optimized network performance from an application centric view for business efficiency
Monitoring	• Network Operating Center (NOC) style topology provides global visibility of all network equipment in a single view with real-time view of devices, clients, alarms and events • Real-time monitoring and analysis of critical network performance indicators through visual widgets

OmniVista Cirrus dashboard
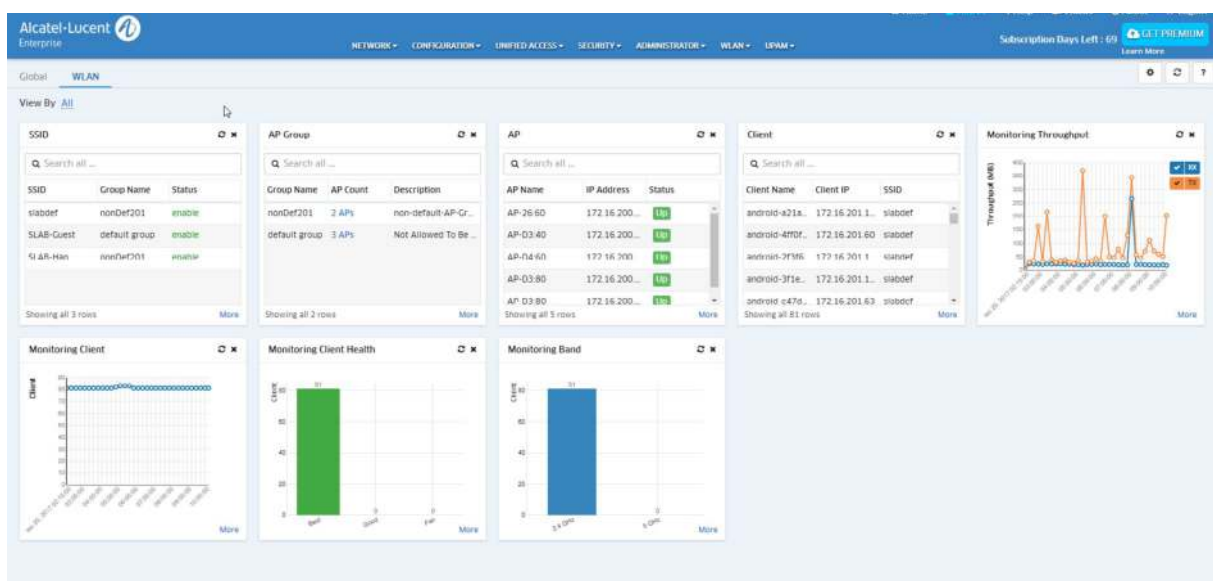
OmniVista Cirrus Dashboard offers Real-time monitoring and analysis of critical network performance indicators through intuitive visual widgets

## OmniVista Cirrus device on-boarding

Easy, intuitive registration and activation for Alcatel-Lucent Enterprise portfolio from OmniVista Cirrus device catalog

OmniVista Cirrus Freemium
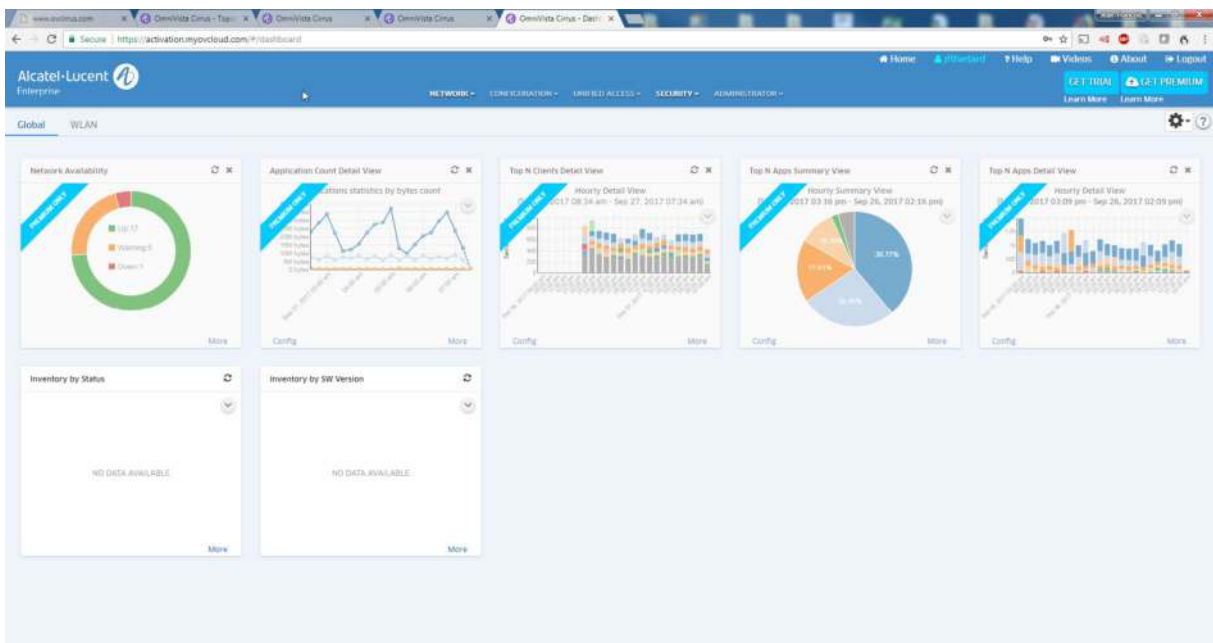
OmniVista Cirrus Freemium mode allows Alcatel-Lucent Enterprise customers easy access to the latest software and firmware versions for their network devices

OmniVista Cirrus pre-provisioning
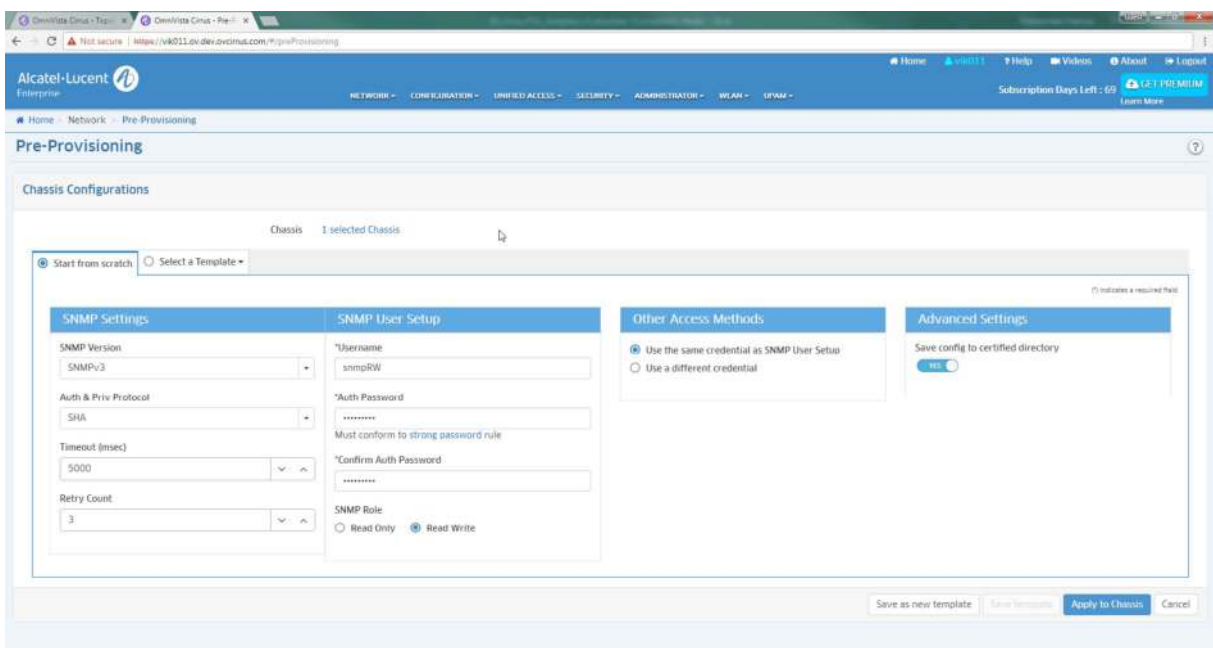
Pre-provisioning templates for OmniVista Cirrus simplifies and automates configuration management

OmniVista Cirrus Topology

OmniVista Cirrus real-time detailed topology for each tenant across multi-site deployment

Product specifications

Simplified ordering and activation

- Portal for customer self-registration and subscription activation
- Pay-as-you-go subscription model with flexible duration (1, 3, 5 years) to accommodate business OPEX imperatives
- Flexible Service and Support bundle for device under subscription
- Easy subscription renewal process to avoid service interruption
- Free premium trial mode for 90 days with complete feature evaluation

Simplified deployment

- Customer self-service sign-up and portal activation
- Network devices automatically connect to OmniVista Cirrus
- Firmware policy update for cloud registration
- Configuration template for devices and APs for auto-provisioning
- Template for devices and APs bulk provisioning and configuration modeling

Secure

- No customer data crosses the internet – only traffic management over encryption
- Layer 2 VPN IPSec encryption and tunneling services between a network device and OmniVista Cirrus
- Administrative management is secured over HTTPS/SSL with different levels of administration
- Role-based administration for mapping network administration credentials to a specific subset of customer organization
- Firewall friendly, eliminating complex local infrastructure changes
- Strong password policy

Topology

- Detailed discovery of the Alcatel-Lucent Enterprise portfolio with overlay display for wired/wireless devices and virtual chassis

- Network visualization for logical and physical infrastructure and live device status
- Dynamic, customizable, logical map based on user-defined filters (IP subnet, location, model, user provided descriptive info)
- Hierarchical multi-site topology display
- Wireless heatmap with RF planner

Configuration lifecycle

- Extensive device configuration life cycle for device configuration changes
- Create infrastructure wide, device software image update for baseline version management
- Configuration lifecycle scheduling (backup/restore and device firmware), including remote reboot

Unified LAN and WLAN

- Single pane of glass management for Alcatel-Lucent Omni Switch® and Stellar Access Points for provisioning and monitoring
- Centralized definition for role based access policy with built-in authentication policy manager
- Advanced BYOD and guest access mobility features including configuration and monitoring

Dashboard

- Graphical widgets for device status with drill-down capabilities
- Real-time monitoring and analysis of critical network performance indicators through visual widgets
- Full choice of displays, data and other important network and device information with advanced reporting capabilities

Network Analytics

- Provides insight in the network health with advanced graphical analytics on most problematic switches based on device state (CPU, memory, temperature)
- Enables automatic generation of business centric, CIO-oriented graphical analytics reports for network

Application visibility

- Provides application analytics for network wide application inventory, monitoring and use, allowing a better understanding of bandwidth consumption between business critical and non-professional applications
- Allows centralized policy enforcement and application-use policy by applying QoS policy enforcement such as rate limiting, blocking and application prioritization
- Improves user experience and business outcome with embedded analytics engine, showing in depth application use reports and key measurement indicators

Privacy and regulatory compliance

- OmniVista Cirrus hosted in regional data centers based on customer location
- Compliant with applicable data privacy, security and regulatory framework in US, EU and abroad
- Compliant with General Data Protection Regulation (GRDP)

Technical specifications

OmniVista Cirrus ready network devices

- Alcatel-Lucent OmniSwitch® 6350, 6450 models with minimum release AOS 6.7.2R03 MR
- OmniSwitch 6560, 6860, 6860-E, 6865, 6900 models with minimum release AOS release 8.4.1R03
- Stellar access points AP 1101, 1201, 1221, 1222, 1231, 1251 models with minimum AWOS release 3.0.2

Minimum browser requirements

- Google Chrome minimum version 63, Mozilla Firefox minimum version 56

Mobile apps

- OmniVista Cirrus Assistant (iOS min 8.0 & Android min 4.2)

Feature comparison

	Freemium	Trial	Paid subscription
Customer sign-on through portal	✓	✓	✓
Number of devices supported	Limited to customer device inventory	Up to 20 devices in total (OmniSwitches and Stellar access points) including BYOD and Guest Access allowances	Based on subscription terms
Duration of service	No limitation	90 days evaluation	Based on subscription duration (1, 3, 5 years)
Extended software support and device hardware maintenance (AVR)	—	—	Based on services and duration subscription terms
Service and Support bundle included with subscription	Only Community Support	Only Community Support	Different levels of Service and Support bundle available
Functionalities level	Customer device inventory Device software update	Complete features No restrictions	Complete features No restrictions
Guided workflows and simplified network provisioning	—	✓	✓
Advanced monitoring and topology services	—	✓	✓
Unified Access for LAN and WLAN	—	✓	✓
Guest access with Captive Portal and BYOD	—	✓	✓
Smart Analytics and reporting	—	✓	✓
Application visibility Monitoring and enforcement	—	✓	✓

Ordering information

OmniVista Cirrus is available with 3 different Service and Support bundles (Base, Business, Premium)

Base Bundle includes:

- OmniVista Cirrus Network Management SaaS for all licensed devices
- Firmware update and upgrade for all licensed devices
- Community Support access

SKU	Description
OVC-AP-BAS-nY	OmniVista Cirrus - Cloud network management for one Stellar Access Point model (covers OAW-AP1101,1221,1222,1231,1232,1251 series) for the selected subscription duration (options are one, three or five years). Include Base Service and Support Bundle for the device under subscription.
OVC-ESS-BAS-nY	OmniVista Cirrus - Cloud network management for one Essential OmniSwitch model (covers OS 6350, 6450, 6560 series) for the selected subscription duration (options are one, three or five years). Include Base Service and Support Bundle for the device under subscription.
OVC-ADV-BAS-nY	OmniVista Cirrus - Cloud network management for one Advanced OmniSwitch model (covers OS 6860,6860-E,6865 series) for the selected subscription duration (options are one, three or five years). Include Base Service and Support Bundle for the device under subscription.
OVC-CORE-BAS-nY	OmniVista Cirrus - Cloud network management for one Core OmniSwitch model (covers OS 6900 series) for the selected subscription duration (options are one, three or five years). Include Base Service and Support Bundle for the device under subscription.

(Replace n with 1,3,5 for duration terms for 1, 3 or 5 year)

Business Bundle includes:

- OmniVista Cirrus Network Management SaaS for all licensed devices
- ALE Business Partner Access to the Global Welcome center for OmniVista Cirrus SaaS Service and support
- Firmware update and upgrade for all licensed devices
- ALE Partner TAC Access for OmniVista Cirrus SaaS and node support assistance
- Hardware Service level (AVR/Advanced Replacement) for all licensed devices

SKU	Description
OVC-AP-BIZ-nY	OmniVista Cirrus - Cloud network management for one Stellar Access Point model (covers OAW-AP1101,1221,1222,1231,1232,1251 series) for the selected subscription duration (options are one, three or five years. Include Business Service and Support Bundle for the device under subscription.
OVC-ESS-BIZ-nY	OmniVista Cirrus - Cloud network management for one Essential OmniSwitch model (covers OS 6350, 6450, 6560 series) for the selected subscription duration (options are one, three or five years). Include Business Service and Support Bundle for the device under subscription.
OVC-ADV-BIZ-nY	OmniVista Cirrus - Cloud network management for one Advanced OmniSwitch model (covers OS 6860,6860-E,6865 series) for the selected subscription duration (options are one, three or five years). Include Base Service and Support Bundle for the device under subscription.
OVC-CORE-BIZ-nY	OmniVista Cirrus - Cloud network management for one Core OmniSwitch model (covers OS 6900 series) for the selected subscription duration (options are one, three or five years). Include Business Service and Support Bundle for the device under subscription.

(Replace n with 1,3,5 for duration terms for 1, 3 or 5 year)

Premium Bundle includes:

- OmniVista Cirrus Network Management SaaS for all licensed devices
- End Customer Access to the Global Welcome center for OmniVista Cirrus SaaS Service and support
- Firmware update and upgrade for all licensed devices
- End Customer Access for OmniVista Cirrus SaaS and node support assistance
- Hardware Service level (AVR/Advanced Replacement) for all licensed devices

SKU	Description
OVC-AP-nY	OmniVista Cirrus - Cloud network management for one Stellar access point model (covers OAW- AP1101, 1221, 1222, 1231, 1232, 1251 series) for the selected subscription duration (options are one, three or five years). Include Premium Service and Support Bundle for the device under subscription.
OVC-ESSENT-nY	OmniVista Cirrus - Cloud network management for one Essential OmniSwitch model (covers OS6350, OS6450, OS6560 series) for the selected subscription duration (options are one, three or five years). Include Premium Service and Support Bundle for the device under subscription.
OVC-ADV-nY	OmniVista Cirrus - Cloud network management for one Advanced OmniSwitch model (covers OS6860, OS6860-E, OS6865 series) for the selected subscription duration (options are one, three or five years). Include Premium Service and Support Bundle for the device under subscription.
OVC-CORE-nY	OmniVista Cirrus - Cloud network management for one Core OmniSwitch model (covers OS6900 series) for the selected subscription duration (options are one, three or five years). Include Premium Service and Support Bundle for the device under subscription.

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Visit ALE OmniVista Cirrus.

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