

# ALCATEL-LUCENT ENTERPRISE

## Autonomous Network Enables Digital Transformation

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# AGENDA

- ▶ IT Challenges
- ▶ Autonomous Network capabilities
- ▶ Digital Transformation Examples
- ▶ Conclusions

# ALCATEL-LUCENT ENTERPRISE



- 100+ years company
- 20+ years networking experience
- 50+ Countries
- HQ in Paris, France
- 2,200 employees
- 2,900 partners
- 830,000 customers

# CHALLENGES OF DIGITAL NETWORK TRANSFORMATION

IT must face...

- ❌ Complexity of operation
- 🚫 Lack of agility
- ❌ Human errors
- 🚫 Bottleneck for business innovation
- ❌ Time consuming tasks
- 🚫 Increased learning curve
- 🦠 Coronavirus





# DIGITAL AGE NETWORKING

Autonomous networks for enterprise digital transformation

5

## Autonomous Network



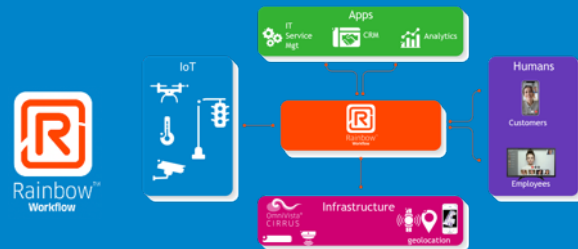
Automate mission-critical network operations and improve user experience

## IoT



Scale up digitalization through IoT secure onboarding and management

## Business Innovation



Accelerate transformation with automated workflows

# ACCESS AUTOMATION

Automatic and secure onboard

- ✓ Secure onboarding
- ✓ Zero Touch Configuration
- ✓ Unified Security Policies



Discover &  
classify



Virtual  
Segmentation



Continual  
Monitoring

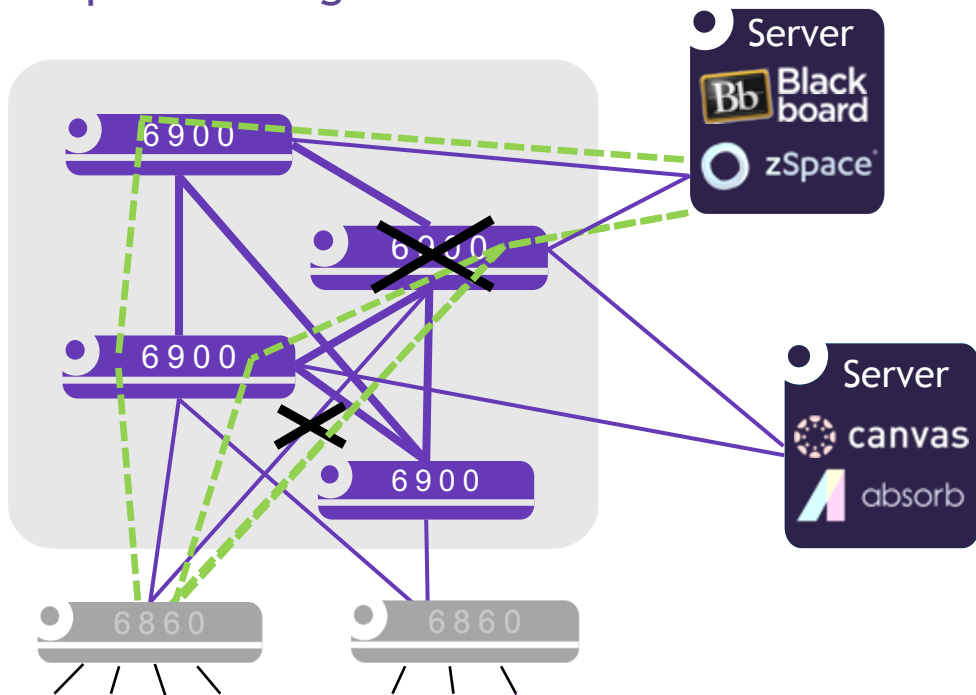


Securely connect any device

# FABRIC AUTOMATION

Zero touch configuration and provisioning.

- ✓ Self configuration / attachment
- ✓ Simple moves adds & changes
- ✓ Increase performance
- ✓ Avoid down time

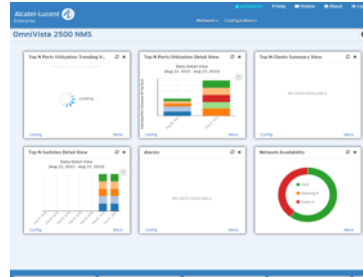


Continuous operation of the applications

# WIRELESS LAN AUTOMATION

## Controllerless distributed intelligence.

- ✓ Automatic Radio optimization
- ✓ Easy scalability
- ✓ Simple deployment



MESH Point



MESH Root



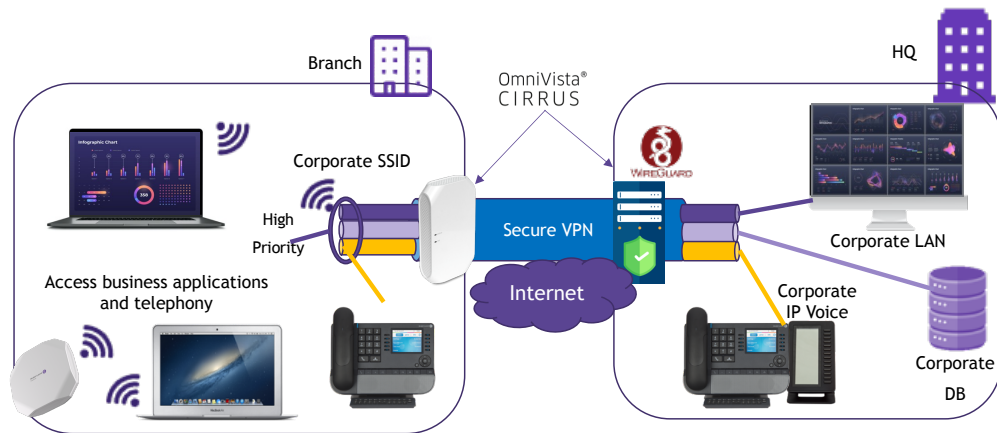
Continuous operation of applications for user mobility



# BRANCH AUTOMATION

Remote/branch office with easy installation, start-up and management.

- ✓ Zero Touch branch setup
- ✓ Maximum security
- ✓ Easy extension with Auto Mesh



Enable a secure remote working environment

# NETWORK AUTOMATION - MANAGEMENT

A single management system for your entire network.

- ✓ Zero touch configuration
- ✓ On premises or cloud
- ✓ Unified services management and configuration



Simple OA&M, Monitoring and Reporting

# NETWORK AUTOMATION - ANALYTICS

Get the relevant information to make the best business decision

- ✓ Application visibility
- ✓ Predefined policies and thresholds for automation
- ✓ Predictive analysis and maintenance



App Visibility



Predictive Analysis



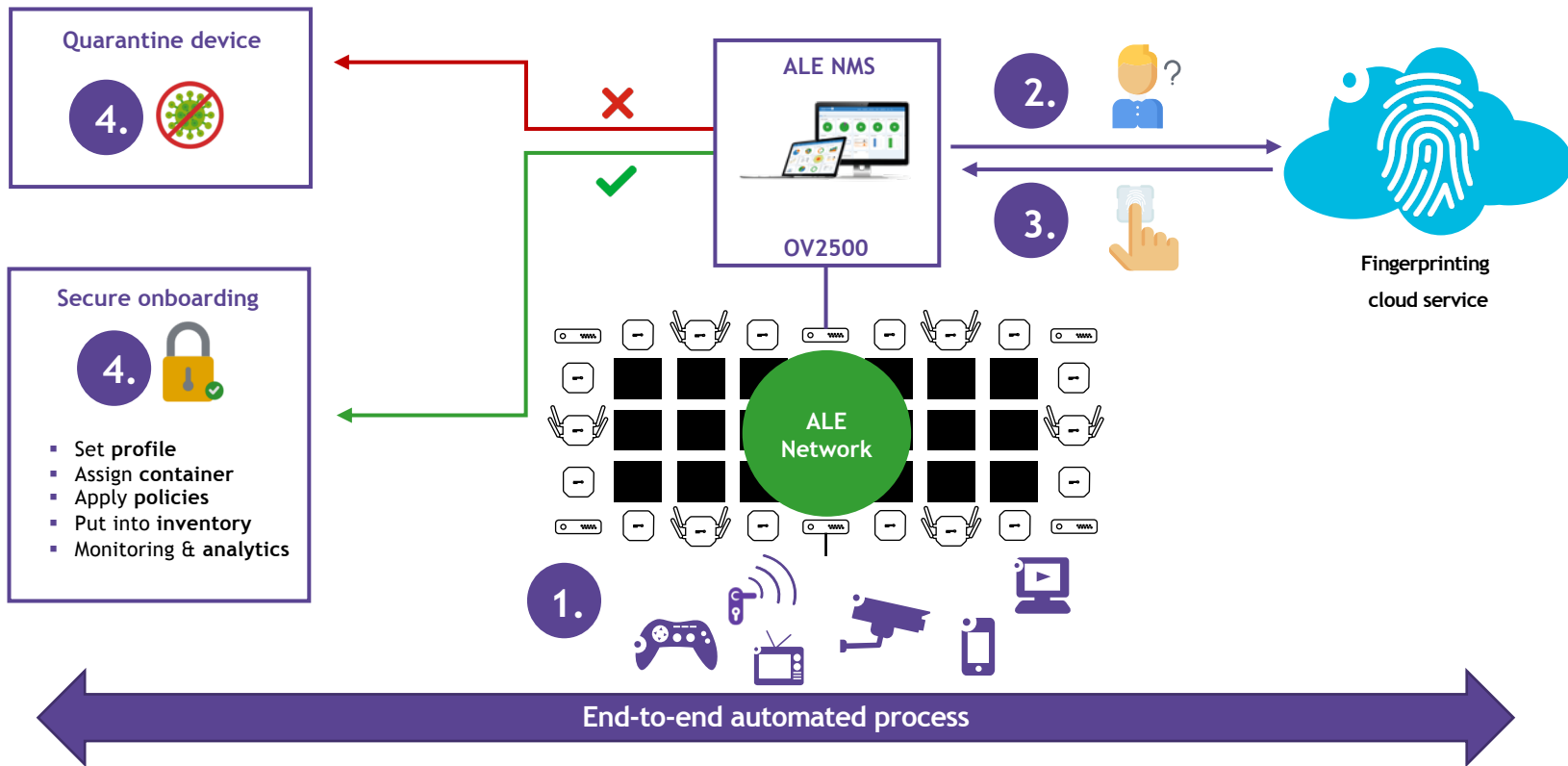
Dashboard



Top N Reports

Anticipate problems before they appear

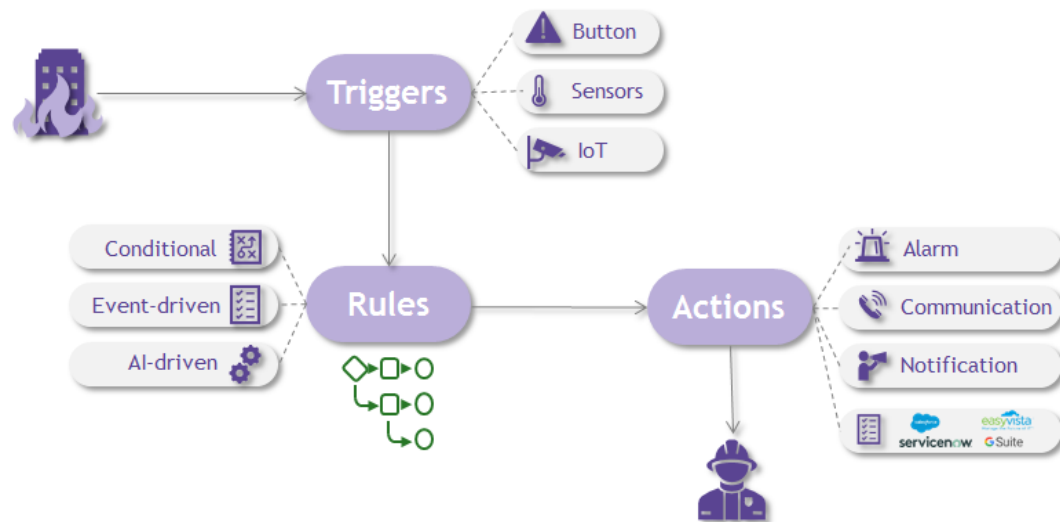
# NETWORK AUTOMATION - SECURE ONBOARDING



# DIGITAL TRANSFORMATION

Managing the flow of events.

- ✓ Events correlations
- ✓ Integration with business tools
- ✓ Advanced actions



Rules driven incident response

# BUSINESS PROCESS AUTOMATION - BASED ON IOT

## Chain of cold compliancy / Asset monitoring in hospital



>> Triggers >>

Abnormal Temperature or Humidity in drug storage

```
Device:iot$thing$CC00:9E:63:13:E4 reporting measure
Device is connected
Temperature is 23.80 degrees
Pressure is 1009.47 hPa
Humidity is 89 %
CO2 emissions is 714 ppm
Volatile organic compounds is 47 ppb
```

Create a case in IT Service Management platform



Crisis platform triggered



Push Case # and IOT data to stakeholders



Feed video stream to stakeholders

1 event → many actions | fully integrated  
| automated | real-time



# NETWORK PORTFOLIO

 Hardened

## WLAN

### OmniAccess Stellar



AP1222



AP1101



AP1221



AP1232



AP1201H



AP1251



AP1320



AP1360

### OmniAccess



OA4xxx



AP375

## LAN

### OmniSwitch

#### Core



OS6900



OS6865



OS6465



OS9900

#### Access



OS6450



OS2220



OS6560



OS6860

### Management Software

OmniVista 2500

OmniVista Cirrus

Proactive Lifecycle Management

### Location Based Services



### Asset Tracking



## SERVICES



Alcatel-Lucent  
Enterprise



# CONCLUSIONS

**Autonomous Network** enables Digital Transformation:

- ▶ Securely connect users and IoTs
- ▶ Improve cost savings and performance improvements
- ▶ Free up time for business innovation



# C O N T A C T U S



## WEBSITE

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