

- Device configuration and inventory data monitoring
- Logging and analyzing equipment events, detecting network issues
- Device configuration management
- Centralized firmware updating
- Device groups with different access rights
- System user rights and roles configuration
- User authorization via external LDAP/MSAD server
- Authentications and user actions logging
- Network maps with automatic detection of links between devices via LLDP
- GUI for configuring firewall on ESRs and WLCs
- Device terminal emulator
- Group configuration of devices with Jinja templates support
- Zero Touch Provisioning (ZTP) basic implementation
- IP fabric creation and monitoring
- Centralized management and monitoring of wireless network
- Support for Online/Offline ELM licensing
- FBWA equipment monitoring
- Integration with Peeper
- REST API for collecting data on devices, groups, events, and tasks



ECCM is a configuration monitoring and management service.

The service is managed via user-friendly web interface that provides convenient tools for customizing the service and network equipment to the user's needs.

Handling device configurations

According to user-defined rules, ECCM automatically searches the network for supported devices and starts monitoring all subsequent configuration changes.

The service allows a user to change configuration of specific devices manually. Each time a device configuration is changed, ECCM complements the incremental backup database. Any saved configuration version, as well as its differences from another selected version, can be viewed by a system user and applied to a device on user's command.

To manage firewalls on the ESR and WLC devices, a GUI is provided.

Network configuration automatization

The service minimizes labor costs required to reconfigure devices when replacing failed equipment with similar ones. It provides tools for generating configurations from templates and applying them to groups of devices.

Working with device firmware

One of the most important aspects of maintaining a high level of network security is timely updating the firmware of network equipment. ECCM makes it possible to update the firmware of devices individually or in groups.

The updating is launched manually.

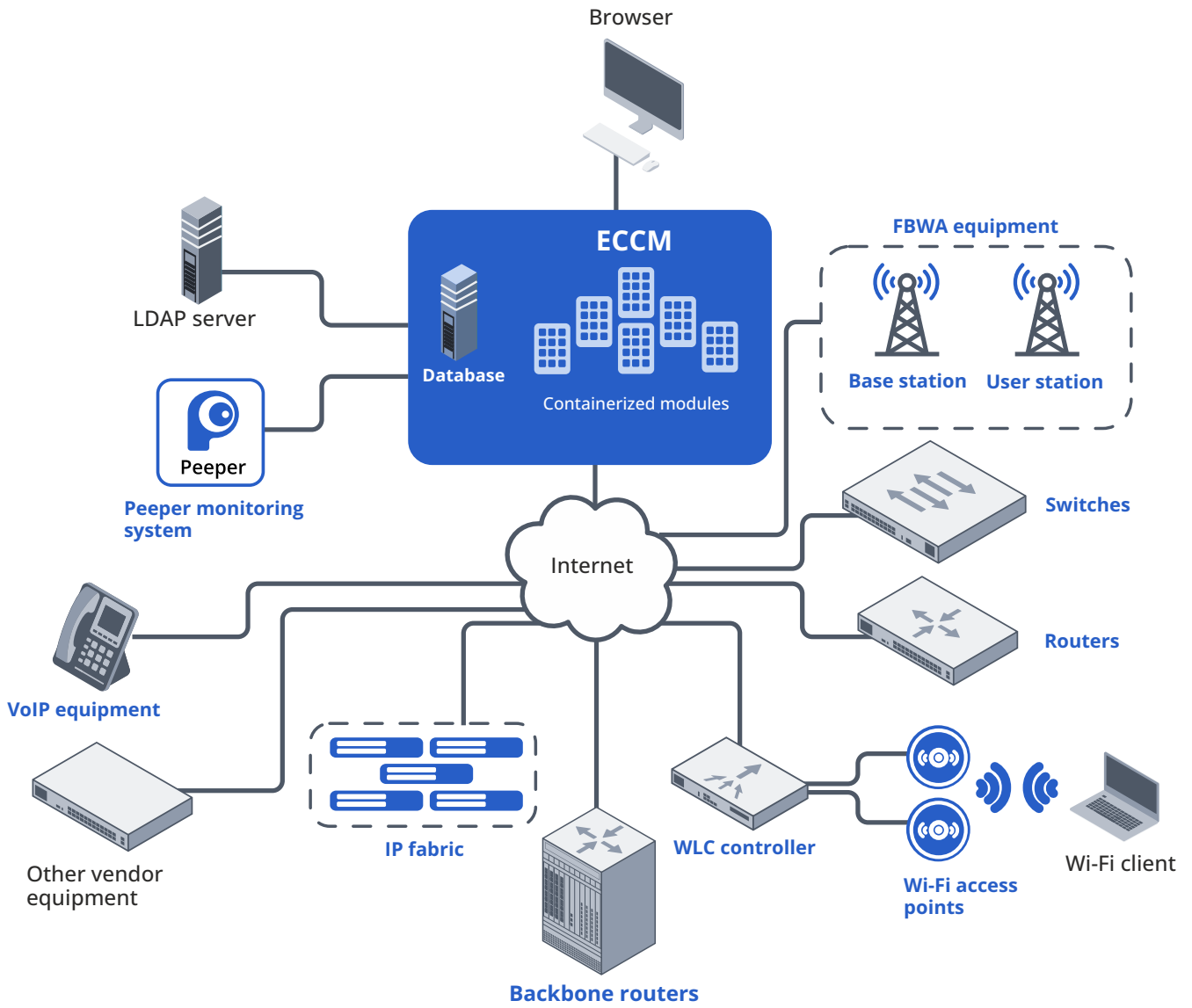
Event and issue management

ECCM implements services for collecting various data about network equipment, event logging, analyzing, issue detecting and sending notifications to users.

Features and capabilities

- Performing operations on individual devices: rebooting, firmware updating, configuration editing
- Preparing device configurations
- Using Jinja templates when preparing the configurations
- Configuring firewall on ESR service routers and WLC wireless access controllers
- Managing MES switch configurations via SNMP SET
- Template-based management of MES device configurations
- Group editing of device configurations
- Monitoring of device configuration changes
- Connecting to the device using a terminal emulator
- Service for storing firmware for devices
- Group update scheduler
- Maintenance of stacked switches
- Device grouping and user access restriction
- User roles with different rights
- User account blocking/unblocking
- IP address blocking
- Flexible configuration of password administration policies
- Integration with LDAP and Active Directory
- User authentication monitoring
- User action monitoring
- User session monitoring and management
- Real-time device state monitoring
- Collecting, storing, and analyzing inventory data and metrics from devices
- Device availability survey
- Detecting network issues based on event analysis, issue management
- Collecting, processing and storing wireless events
- Centralized management of WLC wireless configuration
- Monitoring and management of access points and wireless clients
- Receiving, filtering and analyzing SNMP traps of devices
- Viewing detailed information about accepted traps
- Monitoring and processing SNMP traps of other vendor devices
- Downloading and viewing MIB files of other vendor devices
- Receiving, filtering and analyzing Syslog messages from devices
- Creating user dashboards
- Template-based description of events in event generation rules
- Sending notifications about issues and events via email/telegram channels
- Ability to forward events and issues to an external SIEM system

Use case



Supported devices

| MES | ESR | ME | SMG ¹ | TAU | WLC | WB | WOP |
|------------------|-----------|--------------|------------------|------------|----------|------------|-------------|
| MES1024 | ESR-1x | ME2001 | SMG-2 | TAU-16.IP | WLC-15 | WB-3P-PTP2 | WOP-3ax-LR5 |
| MES11xx | ESR-15® | ME5000 | SMG-4 | TAU-24.IP | WLC-30 | WB-3P-PTP5 | WOP-3ax-LR6 |
| MES14xx | ESR-2x | ME5000M | SMG-200 | TAU-32M.IP | WLC-3200 | WB-3P-PTP6 | |
| MES21xx | ESR-30 | ME5100 | SMG-500 | TAU-36.IP | WLC-3250 | WB-3P-LR5 | |
| MES22xx | ESR-31 | ME5100S | SMG-1016M | TAU-72.IP | WLC-3350 | WB-3P-LR6 | |
| MES23xx | ESR-100 | ME5100 rev.X | SMG-2016 | | | | |
| MES2300-xx | ESR-200 | ME5200 | SMG-3016 | | | | |
| MES24xx | ESR-1000 | ME5200S | | | | | |
| MES2410-xx | ESR-1200 | ME5210S | | | | | |
| MES2420-48P | ESR-15xx | | | | | | |
| MES2420B-24D | ESR-1700 | | | | | | |
| MES2420D-24DP | ESR-3100 | | | | | | |
| MES31xx | ESR-3150 | | | | | | |
| MES33xx | ESR-3200 | | | | | | |
| MES3300-xx | ESR-3200L | | | | | | |
| MES3400-xx | ESR-3250 | | | | | | |
| MES35xx | ESR-3300 | | | | | | |
| MES3500(I)-xx(F) | ESR-3350 | | | | | | |
| MES3500I-8P8F | vESR | | | | | | |
| MES3510S-xx | | | | | | | |
| MES36xx | | | | | | | |
| MES37xx | | | | | | | |
| MES53xx | | | | | | | |
| MES5300-xx | | | | | | | |
| MES5305-48 | | | | | | | |
| MES5310-48 | | | | | | | |
| MES5320-24 | | | | | | | |
| MES53xxA | | | | | | | |
| MES54xx | | | | | | | |
| MES5400-xx | | | | | | | |
| MES5410-48 | | | | | | | |
| MES5500-xx | | | | | | | |
| MES5700-32 | | | | | | | |
| MES7048 | | | | | | | |

¹ SMG-2, SMG-4, SMG-200, SMG-500 — monitoring only; SMG-1016M, SMG-2016, SMG-3016 — for firmware version 3.20.5.X and later.

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Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.