- 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 wizard
- Centralized management and monitoring of wireless network
- Support for Online/Offline ELM licensing
- FBWA equipment monitoring
- Integration with Peeper

ELTEX Cloud Configuration Manager

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.

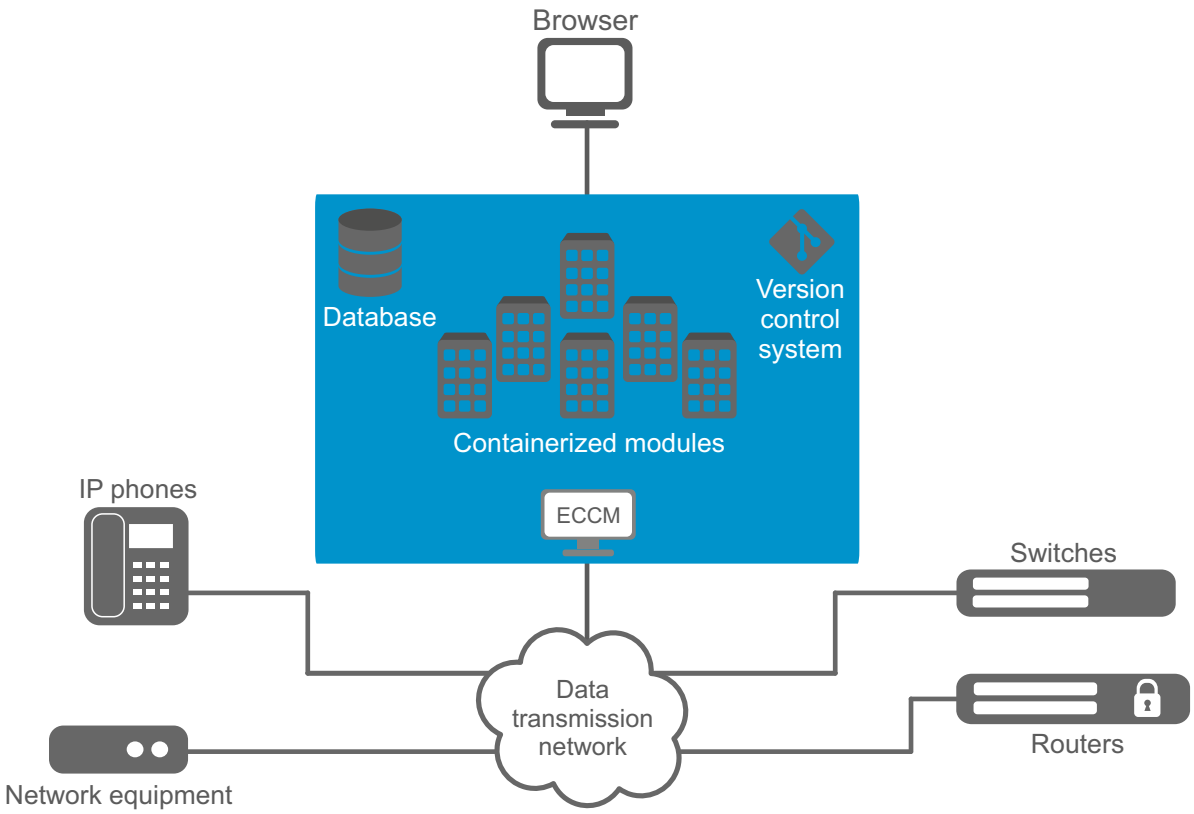
Event and issue management

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
- 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
- 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
MES1024	ESR-1x	ME2001	SMG-2	TAU-16.IP	WLC-15	WB-3P-PTP2
MES11xx	ESR-15®, ESR-15R FSTEC	ME5000	SMG-4	TAU-24.IP	WLC-30	WB-3P-PTP5
MES14xx	ESR-15VF FSTEC	ME5000M	SMG-200	TAU-32M.IP	WLC-3200	WB-3P-PTP6
MES21xx	ESR-2x, ESR-2x FSTEC	ME5100	SMG-500	TAU-36.IP	WLC-3250	
MES22xx	ESR-30, ESR-30 FSTEC	ME5100S	SMG-1016M	TAU-72.IP	WLC-3350	
MES23xx	ESR-31, ESR-31 FSTEC	ME5100 rev.X	SMG-2016			
MES2300-xx	ESR-100, ESR-100 FSTEC	ME5200	SMG-3016			
MES2310-xxDP	ESR-200, ESR-200 FSTEC					
MES24xx	ESR-1000, ESR-1000 FSTEC	ME5200S				
MES2410-xx	ESR-1200, ESR-1200 FSTEC	ME5210S				
MES2420-48P	ESR-15xx, ESR-15xx FSTEC					
MES2420B-24D	ESR-1700, ESR-1700 FSTEC					
MES2420D-24DP	ESR-3100					
MES31xx	ESR-3150					
MES33xx	ESR-3200, ESR-3200 FSTEC					
MES3300-xx	ESR-3200L, ESR-3200L FSTEC					
MES3400-xx	ESR-3250					
MES35xx	ESR-3300, ESR-3300 FSTEC					
MES3500(I)-xx(F)	ESR-3350					
MES3500I-8P8F	vESR					
MES3510(D)S-xx(F)						
MES36xx						
MES37xx						
MES53xx						
MES5300-xx						
MES5305-48						
MES5310-48						
MES5320-24						
MES53xxA						
MES54xx						
MES5400-xx						
MES5410-48						
MES5500-xx						
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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About ELTEX

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.