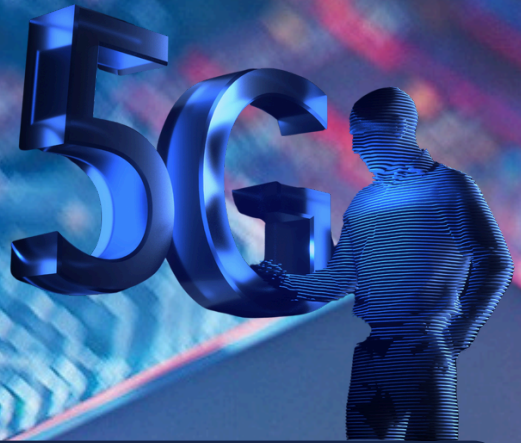




Architecture Independent O-RU M-Plane Solution



Speed up your 5G O-RU process with our **Architecture Independent** O-RU Management Plane Solution. It supports the Hierarchical model based on O-RAN M-Plane Version 12.0

Key Features

Start-Up Installation

- Transport Layer address setup via manual or DHCP
- Secure Call home procedures for NETCONF connectivity
- Transport Layer Initialization

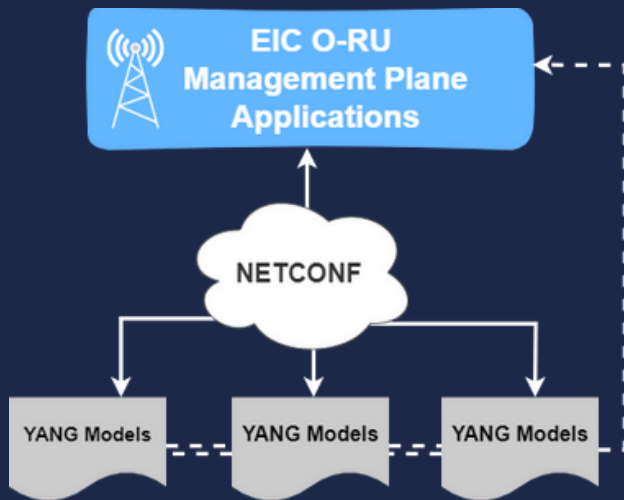
Software Management

- Software inventory, download, validation & activation
- Secure software updates with integrity checks
- Secure file transfer via sFTP/FTPeS

Configuration Management

- Retrieval of O-RU State
- NETCONF get-config & edit-config for parameter management
- Sets required parameters & retrieves equipment status
- Applies O-RU operational settings & retrieves real-time status





Performance Management

- Real-time monitoring via YANG Notifications
- File-based performance reporting

Fault Management

- Alarm subscription & notifications as per NETCONF Client
- Monitors potential errors and faults
- Provides detailed fault reports

File Management

- File retrieving, upload & download operations
- Secure and efficient file uploads using sFTP/FTPeS

Log Management

- Trace & Troubleshooting functionality

C/U-Plane Transport Connectivity

- Monitors C/U-plane & triggers alarms on failures

U-Plane Configuration

- Defines O-RU interfaces using o-ran-interfaces.yang
- Associates processing elements with C/U-plane endpoints
- Data flow mapping U-Plane endpoints between O-DU & EIC O-RU

Supervision of Netconf Connection

- NETCONF connectivity monitoring for persistent NETCONF session
- Monitors NETCONF session for persistent connectivity

S-Plane

- Enables precise synchronization for real-time operations
- Configures & monitors PTP parameters
- Supports LLS-C1/C2/C3/C4 synchronization topologies
- Sends PTP state change notifications

