Cisco Emergency Responder API Documentation

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API Configuration Overview

Cisco Emergency Responder offers a suite of Application Programming Interface (APIs) through which client applications can be integrated to access the server data and managing functionalities.

These APIs provide users the flexibility to manage their network or their customers' networks by providing services and make them available to their end users. Partners can easily integrate these APIs with their internal tools, systems, and applications. Using industry standard authentication and role-based authorization, these APIs provide a trusted scalable platform to support multiple deployment models.

APIs are introduced to better manage users and their roles remotely, and ELIN/ERL Management. Also, to ease inter-operability with Cisco Unified Communications Manager. For more information on the APIs and their configuration, see Cisco Emergency Responder (CER) API Documentation.

Role Permissions for Different API

Users obtain Cisco Emergency Responder system API access privileges via the roles that are associated to the access groups of which the user is a member. Each role contains a set of permissions that is attached to a specific resource or application, such as Access Points or Audit Log Configuration.

For a user who has Role Permissions as "ERL", the role may contain permission that allows the user to view or edit the Conventional ERL using APIs available in the application. In this case, the ERL can be created, updated, and deleted using the corresponding APIs.

Following table lists all the available resources in Cisco Emergency Responder API documentation and their access privileges information:

Table 1: Standard Resources and Their Privileges

Resource Permissions	Access Criteria
Access Point	Access to CER System Administrator and access to Access Points tab
Add Subscriber	Access to CER System Administrator and access to Add Subscriber

Resource Permissions	Access Criteria
ALI Formatting Tool	Access to CER System Administrator and access to ALI Formatting Tool
All Logs	Access to CER Serviceability and able to see all logs of CER
Audit Log Configuration	Access to CER Serviceability and change Audit Log Configuration
Call History	Access to CER System Administrator and access to Call History
Call Manager Details	Access to CER System Administrator and access to Call Manager Details
CER Groups in Cluster	Access to CER System Administrator and access to CER Groups in Cluster
Cluster DB Host setting	Access to admin utility page and Update Cluster DB Host Details
Control Centre	Access to CER Serviceability page and access control centre
CPU & Memory Usage	Access to CER Serviceability page and access to CPU And Memory Usage
Device SNMP Settings	Access to CER System Administrator and access to Device SNMP Settings
Disk Usage	Access to CER Serviceability page and access to Disk Usage
ERL	Access to CER System Administrator and access to conventional ERL
ERL Audit Trail	Access to CER System Administrator and access to ERL Audit Trail
ERL Debug Tool	Access to CER System Administrator and access to ERL Debug Tool
ERL Migration	Access to CER System Administrator and access to ERL Migration
Event Viewer	Access to CER Serviceability page and access to Event Viewer
File Management Utility	Access to CER System Administrator and access to File Management Utility
Functional role	Access to create, read, update, delete Role details

Resource Permissions	Access Criteria
National E911 Service Provider ERL	Access to CER System Administrator and access to National E911 Service Provider ERL
IP Subnet	Access to CER System Administrator and access to IP Subnet
License Management	Access to CER System Administrator and access to License Management
Mail Alert Configurations	Access to CER System Administrator and access to Mail Alert Configurations
Manually Configured Phones	Access to CER System Administrator and access to Manually Configured Phones
Change CCM Version	Access to admin utility page and Change CCM version
Off-Premises ERL	Access to CER System Administrator and access to Off-Premises ERL
OnsiteContact	Access to CER System Administrator and access to OnsiteContact
Pager and Email Alert Configurations	Access to CER System Administrator and access to Pager and Email Alert Configurations
Phone Search	Access to CER User and access to Phone search
Processes	Access to CER Serviceability page and access to Processes
PS ALI Convert	Access to CER System Administrator and access to PS ALI Convert
PS ALI Export	Access to CER System Administrator and access to PS ALI Export
Purge	Access to CER System Administrator and access to Purge
Run Tracking	Access to CER System Administrator and access to Run Tracking
Saml Sso	Access to CER System Administrator and access to Saml Sso
Tracking Schedule	Access to CER System Administrator and access to Schedule
Server	Access to CER System Administrator and access to Server settings

Resource Permissions	Access Criteria
Server Group	Access to CER System Administrator and access to Server Group
MIB2 system group configuration	Access to CER Serviceability page and access to system group configuration
SNMP V1/V2c configuration	Access to CER Serviceability page and access to SNMP V1/V2c configuration
SNMP v3 configuration	Access to CER Serviceability page and access to SNMP v3 configuration
LAN Switches	Access to CER Serviceability page and access to LAN Switches
Switch Port	Access to CER System Administrator and access to Switch Port
Synthetic Phone	Access to CER System Administrator and access to Synthetic Phone
Telephony	Access to CER System Administrator and access to Telephony
Unlocated Phones	Access to CER System Administrator and access to Unlocated Phones
Application User	Access to CER System Administrator and access to User management
User Setting	Access to create, read, update, delete User details
User Call History	Access to CER User and access to User Call History
User Group	Access to create, read, update, delete User Group details
National E911 Service Provider VUI Settings	Access to CER System Administrator and access to National E911 Service Provider VUI Settings
Web Alert	Access to CER User and access to Web Alert