INC Cloud – Intelbras Network Center Cloud

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Overview

INC – Intelbras Network Center Cloud is a INTELBRAS-proprietary comprehensive operation management and maintenance platform. Based on INTELBRAS unified O&M cloud platform (known as U-center), It provides a light-weight and multiservice platform to manage network and a powerful O&M service for small business. It uses Kubernetes for containerized applications and a fully distributed architecture to provide management of networks, terminals, users and service enabling features. With management and monitoring of multiple network services, the platform breaks the data barriers between services caused by isolated and vertical service deployment. INTELBRAS Network Center Cloud supports the delivery model of public clouds and provides customers with comprehensive network solutions to meet the needs of customers from different industries and operators.

Features

Cloud authentication

Support Facebook authentication, one-click authentication, fixed account authentication, Portal authentication, visitor QR code authentication, dumb terminal authentication, etc. Support the ability to customize the authentication page, full graphical configuration, what you see is what you get; support drag and drop to adjust the layout, support text, pictures, carousel diagrams, videos, authentication boxes, buttons and other parts of the customization. Support developer mode, support users to develop authentication pages by themselves; support separate allocation of permissions, and authorize operators. Customization and pages bring the ultimate experience to user operations.
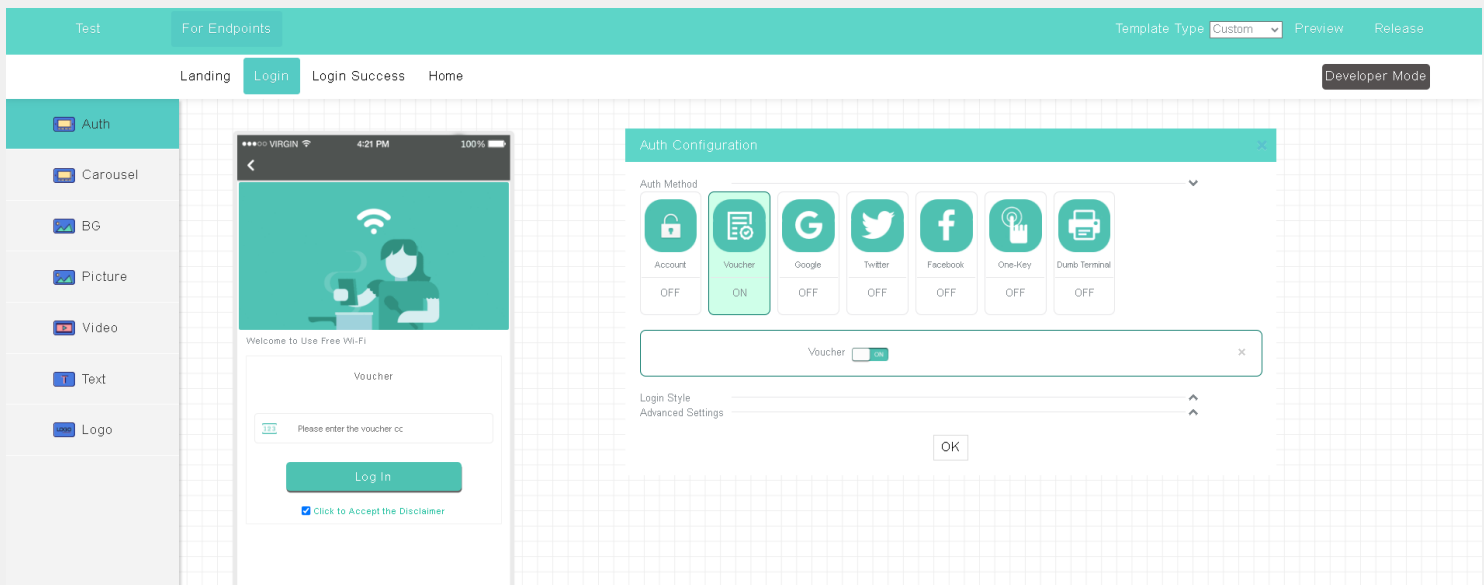
Figure 1 - authentication methods for users to choose

Network O&M

Support one-key inspection, one-key network optimization and other functions, enabling users to complete network detection and optimization with simple click operations. The intelligent operation and maintenance of Network Center Cloud makes the network resource information visible, automatically senses the hidden dangers of the entire network, and automatically eliminates the entire network failure. Tracking and automatically optimizing the network at all times, so that the network is always in the best state, providing users with an excellent online experience.
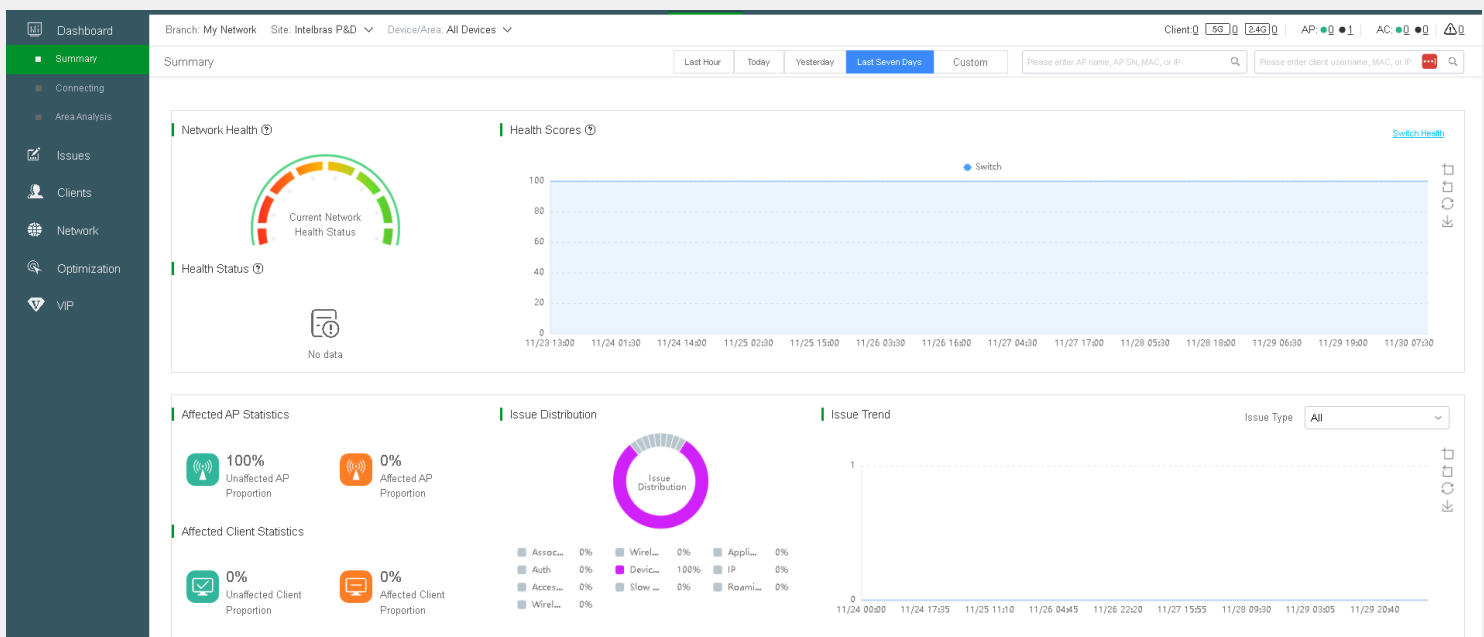

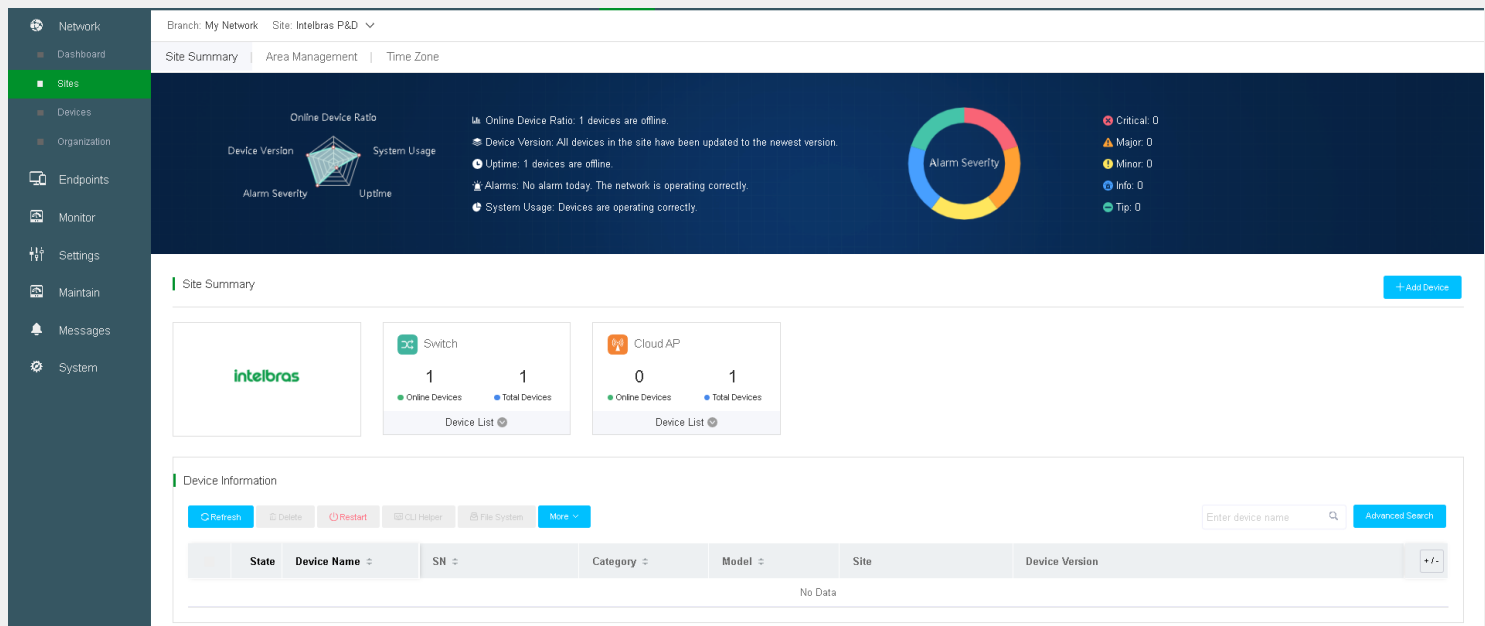*Figure 2 - Smart O&M escorts networks*

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Figure 1 - Configure from branch, site to device, easy deployment
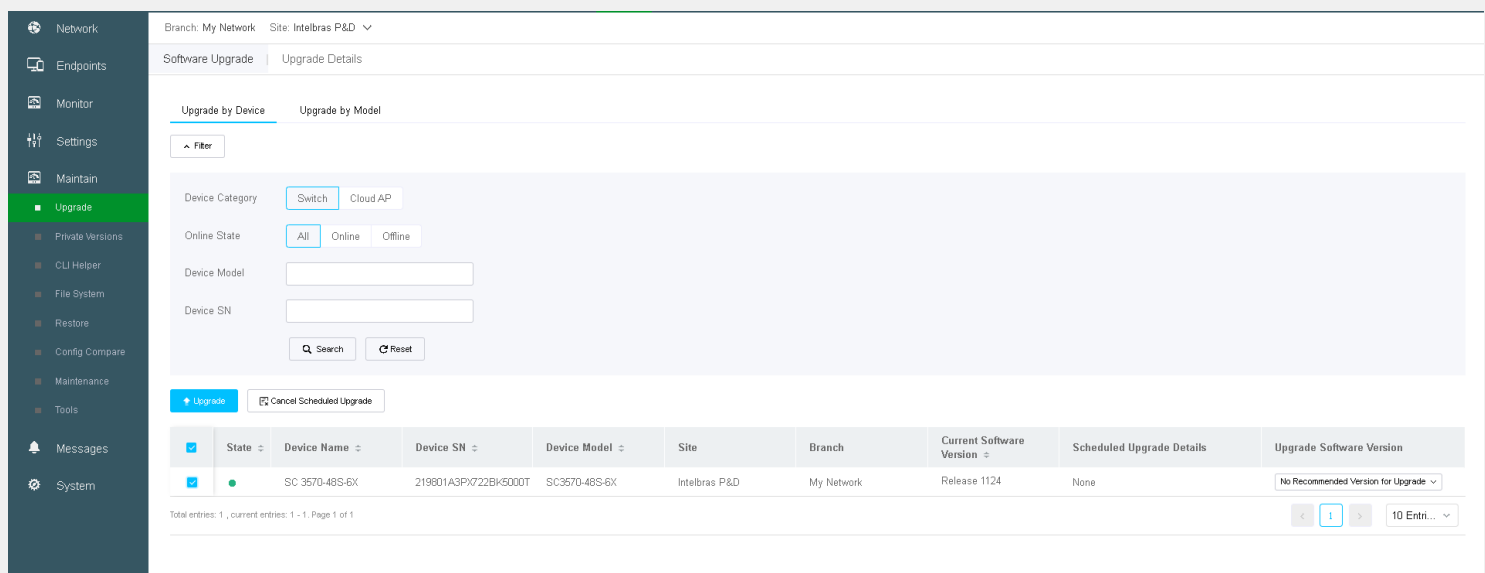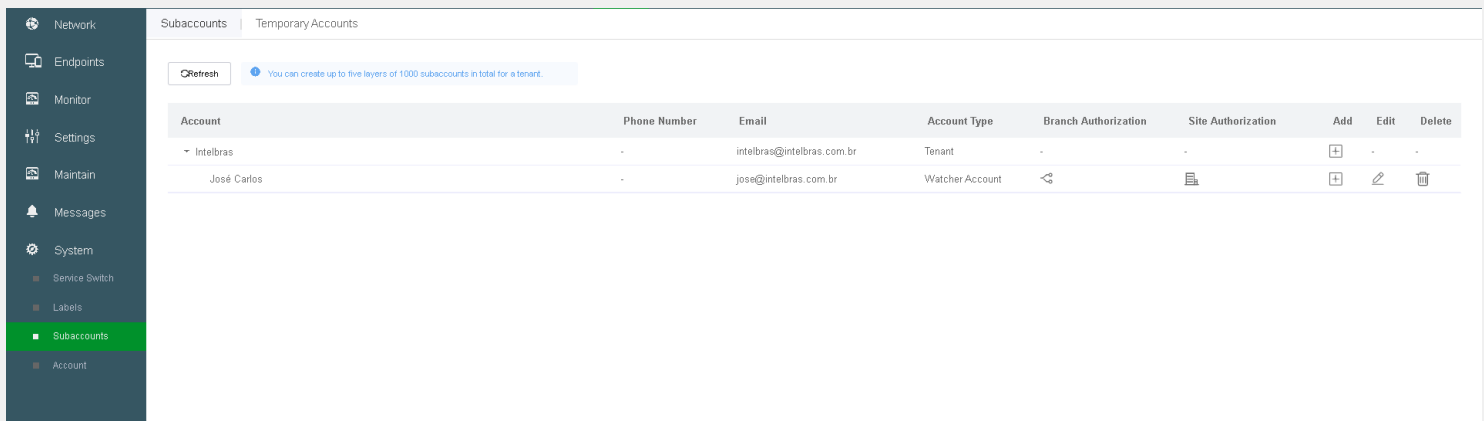
Software upgrade

Figure 2 - Device maintenance

Role-based access control

With role-based access control (RBAC), you can perform fine-grained access management of the Network Center Cloud platform. A user can create subaccounts with different user roles and authorize them with different sites or branches to separate rights and achieve hierarchical management.
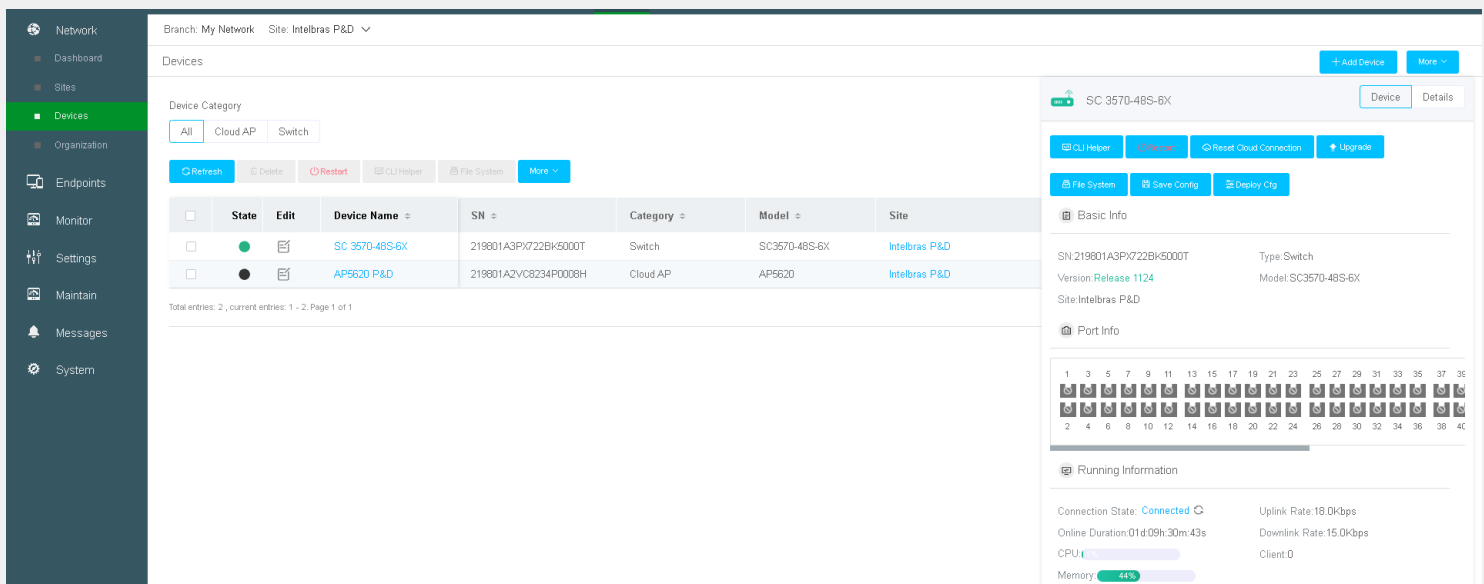
Figure 3 - Subaccount authority

Terminal management

The platform provides unified management of various terminals to reduce management costs.

Full network management

The Network Center Cloud platform supports full-standard network connection and management, wired and wireless integration, supports unified monitoring, configuration, maintenance, and operation of switches, WI-FI routers, wireless controllers, and provides unified cloud management.
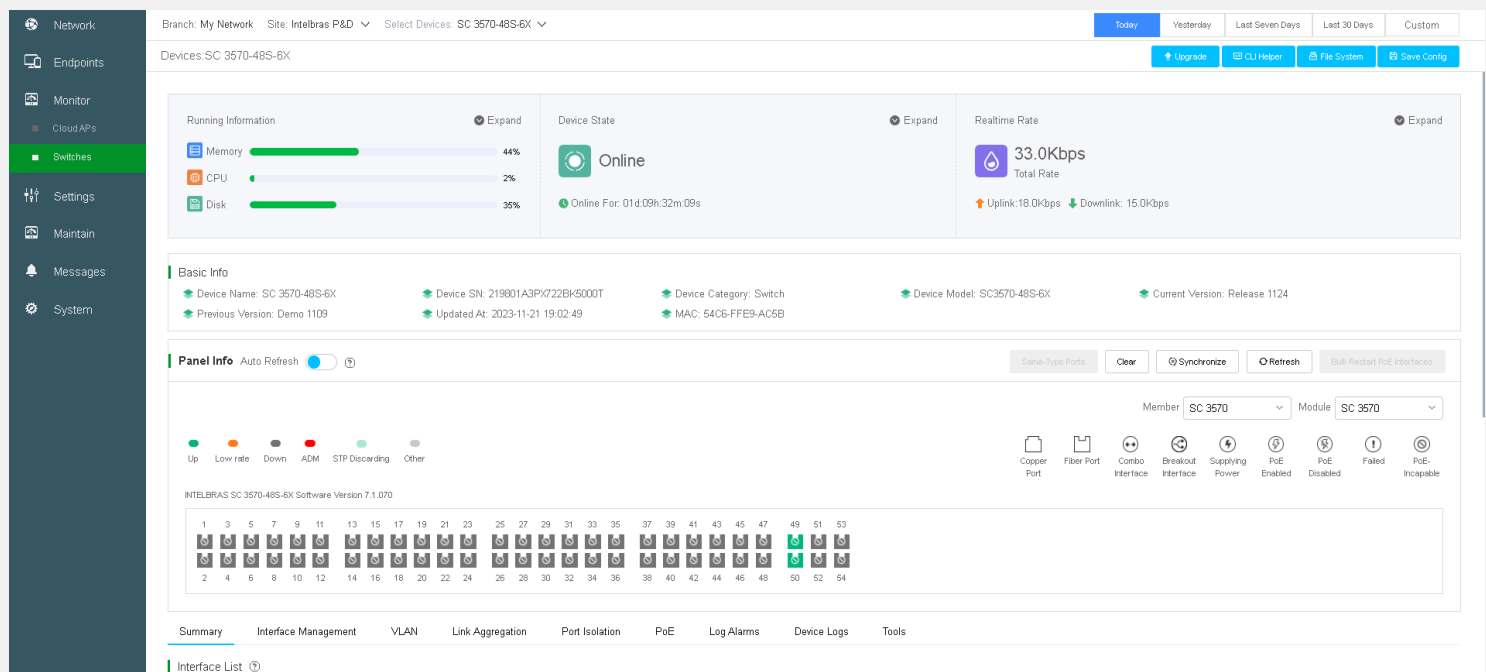

Figure 4 - Device management

Figure 5- Device Monitoring

Multi-service

The Network Center Cloud provides various business functions including cloud engineering survey, large-screen monitoring, PPSK, cloud authentication, hotel management, etc., which comprehensively shows the business capacity of Network Center Cloud in network deployment, network management, and customized services.

Mobile service capability

Network Center Mobile provides mobile operation and maintenance capabilities, and IT personnel can carry it with them and grasp the network operation status anytime and anywhere. When a network failure occurs, it can be monitored in real time and remotely processed in time, enabling zero distance operation and maintenance. The Network Center Mobile not only supports one-click diagnosis, real-time monitoring and alarm push, but also can remotely perform common operations such as version upgrade, configuration backup, configuration restoration, and file management of related devices.

Open API, application value-added, accelerate enterprise operation

Network Center Cloud provides a wealth of open interfaces such as passenger flow analysis, basic management, wireless services, authentication, operation and maintenance, and uses network data to empower customers to accelerate business value-added

Advanced Architecture design

The Network Center Cloud platform adopts an advanced full-containerization solution and a fully distributed deployment architecture design. Based on which, the computing resources can be adaptively adjusted and allocated according to business characteristics, and achieve the flexible expansion and user-unaware business iterative.

Ecosystem enablement

Supporting online developing capabilities for upper-layer app development and system collaboration and providing visible device management from the GUI, the platform supports end-to-end service deployment with low cost. INTELBRAS also provides a professional development lab to offer R&D-level support to business partners and customers.

Software Specifications

Features	Description
Deployment mode	Public cloud through virtualization platform
Multi-user management	Role-based access control
Authentication	Facebook authentication Account authentication One-key authentication Dumb terminal authentication
O&M	Intelligent operation and maintenance escort the customer network Network health monitoring Client connection snapshot Problem location and analysis One-click diagnosis and optimization VIP policy for AP and Client Client access analysis
Network management	Hierarchical and decentralized management Full network monitoring Sites management Devices management (including switches,routers,ac,cloud ap, firewall,acg, etc) Clients management Alarm management Operation logs Sub-accounts management
Multi-service	Hotel Management (Allows room-based network management) Custom Dashboard (Displays followed monitoring statistics on a dashboard)

Features	Description
Mobile APP (launching soon)	Mobile network management and monitoring Mobile devices operations Mobile MSP service Mobile network tools Mobile WLAN settings Mobile O&M
Service	Hotel Management Custom Dashboard Cloud Authentication Report Management
Technologies	The platform integrates a variety of advanced technologies including cloud computing, big data, AI, etc
Ecosystem enablement	Support of full network standards, system collaboration, and app development Support Google Map

Ordering Information:

Category	Product Description
AC Controller	Software INC Cloud p/ control Wi-Fi, 1 ano Software INC Cloud p/ control Wi-Fi, 3 ano Software INC Cloud p/ control Wi-Fi, 5 ano
AP and Switch	Intelbras Network Center Cloud 12 meses Intelbras Network Center Cloud 36 meses Intelbras Network Center Cloud 60 meses