

Cloud ACS

Elevate your business with cloud-based
TR-069 ACS & TR-369 controller in one



Introduction

Device management platforms undoubtedly give local internet service providers (ISPs) and enterprises plenty of benefits. They can help them with issues such as manual provisioning or bulk management of devices from different vendors. Software as a service (SaaS) business model for

remote device control not only ensures immediate implementation but also optimizes ongoing maintenance costs. It's a winning solution designed for efficiency and cost-effectiveness, preferred by many ISPs.

Cloud ACS

Cloud ACS is an auto-configuration server for device management with dual-stack support for TR-069 (CWMP) and TR-369 (USP). It was built as a SaaS version of our Unified Management Platform to control any Customer Premises Equipment (CPE).

Cloud ACS includes all the essential features of market-leading device management platforms, such as zero-touch provisioning, remote bulk management, advanced monitoring, and reporting. On top of that, as a cloud-based solution, it ensures

a much shorter onboarding process (as short as one to three months), regular and effortless updates, and extensive support.

The pay-as-you-grow pricing model is convenient for smaller ISPs, as the number of connected devices connected determines the monthly fee. We also provide a free, 14-day trial supervised by a dedicated expert, focused on training and platform set-up that best suits your business needs.



How Cloud ACS can support your business?



Internet Service Providers

Enhance customer satisfaction with remote device management and service provisioning, reducing operational costs and improving efficiency in network operations.



Telcos

Facilitate the rapid deployment of new services and ensure optimal network performance across diverse devices, enhancing subscriber experience and loyalty.



Retailers

Manage and secure in-store IoT devices and networks, ensuring uptime, enhancing customer experiences, and gathering valuable data for personalized services.



Enterprises

Secure your business with robust device management capabilities, ensuring efficient and reliable operation of the corporate network and connected devices.



Device manufacturers

Test your device and perform firmware updates to improve product reliability with our proven environment for TR-069 and TR-369 implementation.



Hospitality

Enhance guest experiences through infallible management of in-room smart devices, ensuring seamless connectivity and access to digital services.

Example use cases you can cover with Cloud ACS features:

- ✔ **Device provisioning and remote management**
Effortlessly activate services like Internet, VoIP, and WiFi with remote device provisioning. Upgrade services by pushing configuration updates without the need for physical access. Whether it's a higher internet package, a new VoIP line, or an additional guest WiFi network, Cloud ACS simplifies the process with flexibility and convenience.
- ✔ **Remote firmware updates**
Keep your devices secure and up to date by scheduling crucial firmware updates remotely.
- ✔ **Monitoring and diagnostics**
Provide all of the latest features, bug fixes, and security patches. Schedule maintenance during non-disruptive time slots to avoid inconveniencing end-users and maintain uninterrupted service quality.
- ✔ **Monitoring and diagnostics**
Choose key performance indicators vital to your business and monitor them regularly. Set thresholds to receive alerts when parameters deviate from your requirements. Proactive monitoring allows you to address issues before they impact service quality.

Group management

Efficiently organize devices into groups based on device type, localization, or service type. Tailor software improvements, track service quality in specific regions, and identify upsell opportunities by grouping end-users based on their subscription.

WiFi optimization

Optimize WiFi connectivity by selecting the best channels, scanning devices' neighborhoods, and avoiding interference. Utilize this feature as an on-demand fix action or leverage smart WiFi monitoring for automatic enhancements, guaranteeing optimal WiFi connection at all times.

Mesh graph

Gain insights into end-user home networks with a mesh graph. Understand device connectivity, verify signal strength, and suggest improvements to enhance data transfer quality between router, mesh AP, and connected devices.

User-friendly Customer Care tool

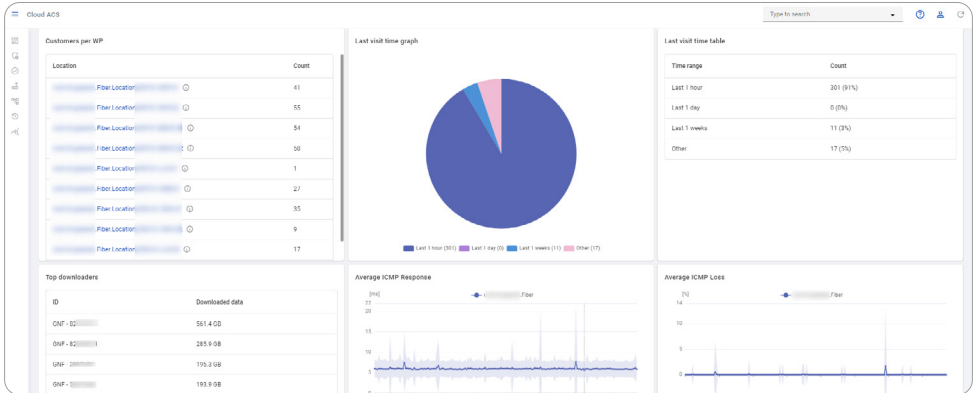
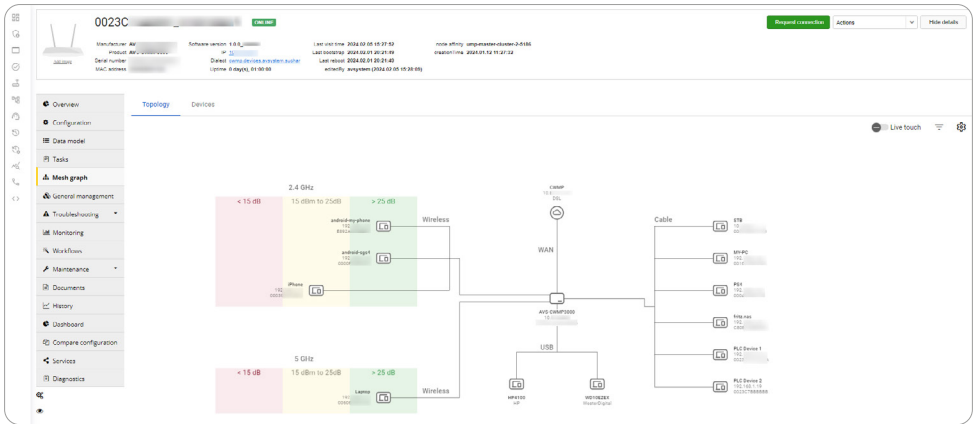
Empower your first-line support team with a user-friendly Customer Care tool. Verify signal and data transfer quality, troubleshoot effectively, and reduce churn.

Dual-stack support

Seamlessly transition your device pool to the latest management standards with dual-stack support for both TR-069 (CWMP) and TR-369 (USP). Prepare confidently for changes in the device environment without the need for system overhauls.

REST API integration

Integrate with third-party systems such as CRM or network monitoring systems through REST API to maximize network automation. Gain a comprehensive overview of all necessary information to efficiently manage your device pool.



Benefits



Control your entire network

Cloud ACS gives you total control over your network. It provides you with a unified overview of all your devices, regardless of the vendor. It also lets you remotely provision, upgrade, and manage devices in bulk.



Gather ultimate business intelligence

Cloud ACS comes with both extensive monitoring and reporting, giving you a thorough overview of the network. This provides you with the information you need to introduce improvements to your operations and upsell your services to customers.



Save on maintenance costs

Our solution is cloud-based and sold in a SaaS model. This means that you only pay for managing the devices that are actually in your pool and save on the hardware and maintenance costs that come with on-premise deployments.



Take the guesswork out of device management

Cloud ACS comes with an extremely easy-to-use customer care tool that even non-technical staff can navigate without difficulty. This ensures faster resolution of any customer issues – such as device reboots or password changes – without sending anybody to the field.



Expand your portfolio with a top-class ACS. Become our partner!

Available partner tracks:

✔ CPE Vendor

- Showcase devices in a WYSIWYG manner
- Perform device integration and test the platform
- Facilitate device management for your customers
- Maximize device performance

✔ Software integrator

- Broaden your offer with our entire portfolio
- Get a trusted, industry-proven partner
- Get new leads, provided by AVSystem
- Offer your customers vendor-agnostic solutions for all access technologies

✔ CPE Reseller

- Broaden your portfolio
- Provide end-to-end solutions for your customers
- Get a presentation platform for your CPEs' capabilities
- Gain a monthly revenue stream & constant contact with your customers

✔ Fiber Network Wholesaler

- ISP enablement platform – a complete portfolio of products to attract ISPs to become your partner
- Flexible cooperation models
- Interoperability testing of CPEs, to provide ISPs with curated hardware offer



AVSystem

Broadband services management and assurance on truly open standards.

AVSystem was founded in 2006 with a focus on providing automation solutions for connected device ecosystems. Although the company started by serving the telecommunications industry, it has since expanded its services to various sectors in over 60 countries. Catering local internet service providers as well as multinational telco operators and enterprises, we develop top-notch solutions dedicated to telecommunications, WiFi VAS, and the rapidly growing Internet of Things. Our goal is to create flexible and dynamic technology based on open standards accessible to everyone. We not only follow the newest trends but also co-create them with other IT industry pioneers by actively participating in organizations such as the Broadband Forum.

Get in touch!

sales@avsystem.com

Explore our ACS

Become our partner

avsystem.com