



## Speed up provisioning, minimize errors and reduce management costs with ZCorum's ACS and TR-069

Operators have evolved from being just carriers of the Internet to the supplier of all telecommunications needs to all devices. This is a boon for operators but it creates tremendous challenges. Managing all those devices efficiently with enough control to perform upgrades and downgrades, provide WiFi, initialize VoIP, and leverage technology for revenue generating opportunities is formidable. The industry spec, TR-069 is the way to do this efficiently. TR-069 is the bridge that communicates between CPE and an Auto Configuration Server (ACS) so operators can monitor, provision, and upgrade home networks.

### Auto Provisioning and Remote Management of CPEs

ZCorum's ACS is a hosted TR-069 platform that enables auto-provisioning and remote management of CPE. It has the ability to restore a modem's configuration, even if a modem dies or is set back to the factory default. This includes settings that were changed or added by your subscriber after the modem was installed, such as the WiFi pre-shared key and SSID, or port-forwarding rules for in home devices.

ZCorum's ACS can be used to manage any devices in the home that are behind the router, such as subsidiary WiFi access points used to extend the reach of the WiFi. Because the configuration is stored on the ACS, just a few clicks will get your customer back up and running right away.

### Device Management

ZCorum's ACS delivers comprehensive remote management of CPE that support the TR-069 standard - including modem/routers, firewalls, IPTV and set top boxes, VoIP gateways and phones, storage devices, media centers, etc.

### Open and Scalable Architecture

ZCorum will help you with all the tools and documents required to manage CPE, add new CPE types, and integrate with the system. New CPE types can be easily added without any knowledge of TR-069.

### The Unique Challenges of DSL Providers Solved!

DSL providers have been limited to manual management of their CPE devices.

Do you...

- have to open, connect, power-up and manually configure every modem before it goes out the door?
- have multiple levels of firmware running on various makes and models of modems that you'll never get around to updating because it would require rolling a truck to every home?
- have to ask the customer to reboot the modem for you?
- have an easy way to recover the last known configuration, including customer-specific ones like wireless security and firewall settings?



The ACS platform is hosted by ZCorum, eliminating equipment costs and server management. It reduces the time to deploy modems in the field and allows remote administration of the configuration, firmware and security settings of your deployed modems.

## Benefits

Roll out TR-069 Based Services

Experience Zero-Touch Provisioning

Deploy and Provision Automatically

Remotely View and Change:

- Device configuration
- Firmware and Parameters
- Update and modify software and service remotely
- Reduced technical support costs

Enhance Your Ability To:

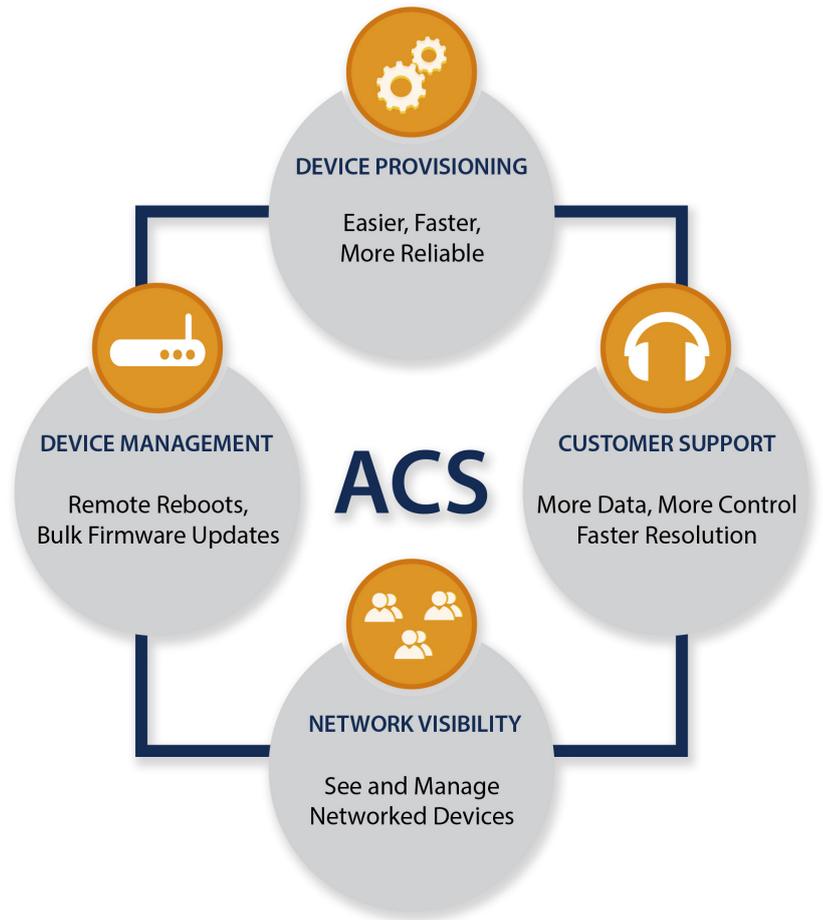
- Identify Device issues proactively by monitoring health, performance, and Signal strength
- Resolve issues with ease
- Activate new services
- Ability to maintain and monitor remote CPE units 24/7

Make Customizing Easy By:

- Grouping and Profiling: By Location, Customer, Type of Device, service or any Custom type or Combination
- Firmware and related configurations

Customer Complaints Resolution Made Simpler:

- Provides remote troubleshooting capability



- Auto Configuration
- Dynamic Service Provisioning
- Software and Firmware Management
- Status and Performance Monitoring
- Support for all Standard Data Models
- Support Vendor Specific Data Models
- Scalable for large networks



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