ACS Central
Simple | Hosted | Free

Comtrend's **ACS Central** is an online Auto-Configuration Server available to service providers who deploy Comtrend TR-069 enabled gateways. With an easy-to-use interface, ACS Central offers centralized remote management of commonly used features of gateways within the service provider's network at *no additional cost*.

ACS Central complies with Broadband Forum's TR-069 CPE WAN Management Protocol (CWMP). This hosted version supports the simple, foundational abilities of all ACS Systems. Service Providers that require remote management now have immediate access to gateways being installed in the field. With successful set-up of their ACS Central account, gateways will automatically join their groups and can receive instant software and/or configuration file updates. Service Providers set their parameters and logic, designating how often the CPE checks-in and what conditions should prompt changes in the CPE.

Benefits

Reduce Install Time
Service Providers can shift upgrades from the warehouse to the field by allowing automatic upgrades or changes to CPE configuration files.

Central Log In
Service Providers can use ACS Central to initiate direct log in and control of individual gateways via HTTP.

Manage Groups
Auto Provisioning removes the need to pre-populate the server with every unit. All CPE are added, grouped, and can be managed by model.

Unlike traditional cloud computing, where sensitive information is stored on remote, 3rd party servers, ACS Central is the control center that manages only the communication. Both, custom software and configuration files are stored on and within the Service Provider's network. ACS Central manages the incoming connection requests of the CPE, then as the parameters indicate, executes the instructions to upgrade/downgrade/or replace the configuration file. Ultimately, Comtrend's ACS Central allows a Service Provider to establish a TR-069 system with no up-front investment, meet basic remote management needs, and gain the ability to change to any standards-based ACS system in the future.

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To take advantage of ACS Central, a service provider needs to take only two steps:

1. Own and deploy Comtrend gateways with TR-069 enabled.

This requires a CPE to have the appropriate URL value to prompt the device to initiate connection.

2. Create an ACS Central account.

The Service Provider exchanges information with their sales representative (IP range of incoming CPE, models deployed, and software/configuration file locations), then returns the ACS Central account agreement… Done.

Comparison: ① Comtrend's Full ACS ② Full ACS w/API ③ ACS Central

	Main Function	Sub Function	①	②	③
1	Device Model	Select Model, Model Information, Statistics, Statistics Graph	•	•	•
2	Config File Management	Add, Edit, Delete	•	•	•
3	Firmware File	Add, Edit, Delete	•	•	•
4	Device Groups	Device Groups Summary	•	•	•
5	Device Groups	Add/Copy/Delete/Lock/Unlock, Upload Log File	•	•	
6	Device Groups	Export Device ID List, Device Status, Download Log	•	•	•
7	Devices	Batch Add/Edit/Delete/Copy Devices	•	•	
8	Devices	Batch Upload Customer Data File	•	•	•
9	Devices	Model Parameter Control, Parameter Discovery	•	•	
10	Devices	Schedule Inform, RPC Methods Test, Diagnostics	•	•	
11	Devices	Firmware Download per Device	•	•	•
12	Devices	Config File Download per Device	•	•	•
13	Devices	Device Logs, Recent Status	•	•	•
14	Global Home	Global Search/Global Summary	•	•	•
15	Account Management	Add/Lock/Edit/Delete User	•	•	
16	Account Management	Add/Edit/Delete Role	•	•	
17	Model Management	Add/Edit/Delete Model	•	•	
18	Model Management	Add/Import/Export/Copy/View/Delete Profile	•	•	
19	Model Management	Add/Import/Export/Delete TR-069 Parameter	•	•	
20	Model Management	Auto Provision (Auto Activation)	•	•	•
21	Model Management	Auto Backup Configuration Daily	•	•	
22	Monitor Logs	Event Log/Error Log/Session Log /Action Log	•	•	
23	System	Auto Backup	•	•	•
24	System	Manual Backup/Restore	•	•	
25	Northbound Interface API			•	

Not all features are listed above. | Features may be added, removed or changed without notice. | Firefox browser recommended.