

## Main Features and Benefit

- Manage all kinds of devices complied with TR-069 specification such as broadband gateway, XDSL router/modem, VoIP phone, wireless AP and Set-Top box.
- VigorACS server can be installed in the Windows, Linux and Sun Solaris.
- Intuitive Web-based GUI can be executed on all browsers like IE, Firefox, and Mozilla.
- Support scheduling firmware upgrade, configuration backup/restore and parameter profile deployment.
- Support auto-discovery to survey all TR-069 devices.
- Provide device inform management.
- Support security management.



VigorACS provides centralized device management for TR-069 based CPEs such as broadband gateway, xDSL router, VoIP gateway, and Wireless AP. VigorACS has device status, monitor status of devices, or perform scheduling tasks such as firmware upgrade, configuration backup/restore and parameter profile for mass deployment of CPE devices. It is easy to use through intuitive Web-based GUI with security management. VigorACS can be installed on different kinds of platform e.g. Windows, Linux and Sun Solaris.

# DrayTek

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## VigorACS

Professional TR-069 ACS



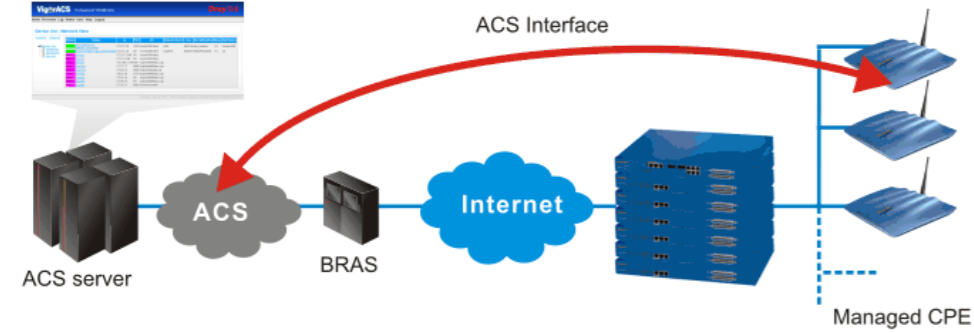


# VigorACS

## Professional TR-069 ACS

### System Architecture

The overview of VigorACS is shown on the following picture. VigorACS server can manage devices via TR-069 protocol to communicate with each other.



The screenshot shows the VigorACS web interface. At the top, there is a navigation bar with 'Home', 'Provision', 'Log', 'Admin', 'User', and 'Help' menus. Below the navigation bar, the 'Device List: Network View' is displayed. It includes a table with columns for Status, Name, IP, Port, URI, Manufacturer, OUI, Serial Number, Spec, and Hardware. The table lists several devices, including 'DrayTek\_00507F\_Vigor\_00507FB24058' and various 'Device' entries.

### Device Status

Monitor the status of the devices, IP address, version numbers and so on.

This screenshot shows the 'Device List: Network View' with expanded details for the first device. The table columns are: Status (green), Name (DrayTek\_00507F\_Vigor\_00507FB24058), IP (172.17.3.4), Port (80), URI (/cwm/CRN.html), Manufacturer (DrayTek), OUI (00507F), Serial Number (00507FB24058), Spec (1.0), and Hardware (20).

### Configuration Management

Manage the configuration of the devices. Operator can get/set parameters via VigorACS.

The screenshot shows the 'Management-DrayTek\_00507F\_Vigor\_00507FB24058' configuration page. It features two tables: 'Name Value' and 'Parameter Value'. The 'Parameter Value' table has columns for Name, Value, DB Value, Input Value, and Check. Parameters include 'CallerIDEnable', 'CallWaitingEnable', 'MaxSessions', etc. There is also a 'Method List' section with links for 'Reboot', 'Download', 'Refresh Parameter List', and 'Output Parameter File'.

### Auto Discovery

Once CPE sends an inform request to VigorACS, VigorACS will add the CPE to management system automatically.

The screenshot shows the 'Admin Device: DrayTek\_00507F\_Vigor\_00507FB24058' configuration page. It includes an 'Edit Device' form with fields for IP, PORT, URI, UserName, Password, and DeviceName. The 'DeviceName' field is pre-filled with 'DrayTek\_00507F\_Vigor\_00507FB24058'.

### Device Inform Management

VigorACS will store all inform requests to the system. Different types of inform messages can be queried on the system.

The screenshot shows the 'SetParameterValuesLog' page. It displays a table with columns for Device Name, IP, Username, Start Time, End Time, Parameter Name, and Result. The table shows several entries for 'Draytek\_2700' with various parameter changes and their results.

### Profile Management

A profile is a group of configuration parameters and created for provision. The function of profile management is to add, delete, and upgrade profiles.

#### Provision\_Profile

The screenshot shows the 'Provision\_Profile' configuration page. It includes a 'Network' dropdown set to 'Network View', a 'Device' dropdown set to 'DrayTek\_00507F\_Vigor\_00507FB24058', and a 'Profile Name' dropdown set to '2700\_profile2'. Below this is a table with columns for Title, Content, and CheckAll. The table lists various configuration items like 'InternetGatewayDevice', 'DeviceInfo', 'LANDevice', etc.

### Scheduling Provision Management

VigorACS can perform scheduling tasks such as firmware upgrade, configuration backup/restore, and parameter profile deployment.

#### Provision\_Provision

The screenshot shows the 'Provision\_Provision' page. It features a table with columns for File Name, Property, Size, and Last Modified. Below the table, there are options for 'Download' and 'Profile Data'. The 'Download' section has a 'FileType' dropdown set to '1 Firmware Upgrade Image' and a 'Profile Name' dropdown set to '2700\_profile2'. There is also a 'Trigger' dropdown set to 'now' and a 'Schedule Name' dropdown set to 'schedule\_now'. At the bottom, there is a 'Networks and Devices' section with a 'Select Devices' table.