

Main Features and Benefit

- Fully Complied with TR-069 Standard
- Device Auto Discovery
- Unlimited Network level to Group CPEs
- Status/Performance Monitor and Auto Configuration
- Dynamic Service Provisioning
- Topology Management
- Indicate VPN Connection on Topology
- Advanced Firmware Management
- Log System
- Security Management
- Northbound Interfaces



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 provisioning 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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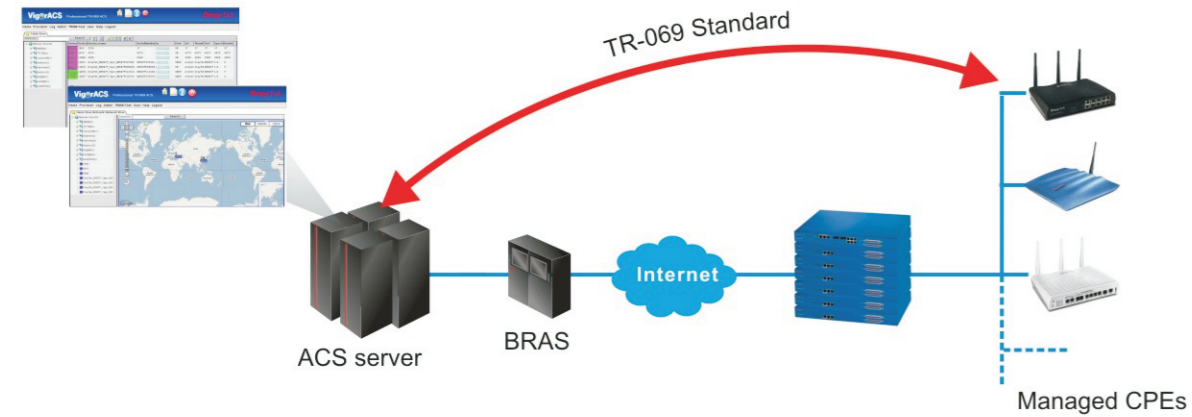
VigorACS

Professional TR-069 ACS



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.



Device Auto Discovery

Devices compiled with TR-069 standard can register to VigorACS automatically. All you have to do is to Set up ACS URL on devices.

The screenshot shows the 'Device Management' section of the VigorACS interface. It features a search bar and a table of discovered devices. The table columns include name, device name, serial number, address, IP, port, URI, user name, password, status, and device type.

name	Device	Device_name	SerialNo	Address	ip	Port	Uri	UserNa	Passwo	Status	DeviceTy
Network View(9989)	11998	9992	9992	172.17.3.1	80	9992	vigor	passwor	Disable	TR069	
99999(7)	11999	9993	9993	172.17.3.1	80	9993	vigor	passwor	Disable	TR069	
777766(9)	12000	9994	9994	172.17.3.1	80	9994	vigor	passwor	Disable	TR069	
yyooooo88(4)	12001	9995	9995	172.17.3.1	80	9995	vigor	passwor	Disable	TR069	
testnnn(10)	12002	9996	9996	172.17.3.1	80	9996	vigor	passwor	Disable	TR069	
networka(7)	12003	9997	9997	172.17.3.1	80	9997	vigor	passwor	Disable	TR069	
testcccc(19)	12004	9998	9998	172.17.3.1	80	9998	vigor	passwor	Enable	TR069	
testg66(13)	12010	testb	00507FC	172.17.3.1	8069	/cwm/cr	vigor	passwor	Disable	TR069	
test2666(3)	12011	DrayTek_00507F_Vigor_00507F223344	00507F2	172.17.3.1	8069	/cwm/cr	vigor	passwor	Enable	TR069	
test30333(4)	12021	DrayTek_00507F_Vigor_00507FD05608	00507FD	172.17.3.1	80	/cwm/cr	vigor	passwor	Enable	TR069	
test68(0)	12024	test33	ff	172.17.3.1	80	tt	tt	tt	Disable	TR069	
test74(0)	12025	test77	test77	172.17.3.1	77	77	77	77	Disable	TR069	
test77(0)	12026	test88	test88	172.17.3.1	88	88	88	88	Disable	TR069	
test90(1)	12027	test99	test99	172.17.3.1	99	99	99	99	Disable	TR069	
test90(1)	12028	test98	test98	172.17.3.1	98	98	98	98	Disable	TR069	
test22(0)	12029	test100	test100	172.17.3.1	100	100	100	100	Disable	TR069	
test45(0)	12036	DrayTek_00507F_Vigor_00507FC13164	00507FC	172.17.3.1	8069	/cwm/cr	vigor	passwor	Enable	TR069	
	12037	DrayTek_00507F_Vigor_00507FC35378	00507FC	172.17.3.1	8069	/cwm/cr	vigor	passwor	Enable	TR069	

Device Status

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

The screenshot shows the 'Table View' section of the VigorACS interface. It displays a table with columns for status, device name, serial number, IP, port, URI, manufacturer, OUI, and specification. The table lists various devices and their current status.

Status	Device_name	SerialNumber	Ip	Port	Uri	Manuf	Oui	SpecV	Hardw
Disable	2043	3766	37	172.17.3.223	80	37	37	37	37
Disable	6979	4973	4973	172.17.3.221	80	4973	4973	4973	4973
Disable	12004	9998	9998	172.17.3.120	80	9998	9998	9998	9998
Disable	12011	DrayTek_00507F_Vigor_00507F223344	00507F223344	172.17.3.277	8069	/cwm/cr	DrayTel	00507F	1.0
Disable	12021	DrayTek_00507F_Vigor_00507FD05608	00507FD05608	172.17.3.203	80	/cwm/cr	DrayTel	00507F	1.0
Disable	12036	DrayTek_00507F_Vigor_00507FC13164	00507FC13164	172.17.3.116	8069	/cwm/cr	DrayTel	00507F	1.0
Disable	12037	DrayTek_00507F_Vigor_00507FC35378	00507FC35378	172.17.3.115	8069	/cwm/cr	DrayTel	00507F	1.0

Auto Configuration

Auto Configuration of VigorACS can help administrator to set parameters of CPE to activate some services like PPPoE and VoIP.

The screenshot shows the 'Provision Global Setting' section of the VigorACS interface. It displays a 'Detail Window' for 'SettingProfileLog_Upload' and 'SettingProfileLog_SetValue'. The tables show parameters like serial number, flag, retry count, and various settings for internet gateway devices.

id	serialnumber	flag	retry_c	time	renew	current	username	action	file_id
9	00507FC35378	No Set.	0	2008年7月22日	8	YES	root		9
10	00507F223344	No Set.	0	2008年7月22日	8	YES	root		9

id	setting	parameter	value
9	10	InternetGatewayDevice.Layer3Forwarding.Forwarding.1.Enable	true
10	10	InternetGatewayDevice.Layer3Forwarding.Forwarding.1.DestIPAddress	172.17.3.150
11	10	InternetGatewayDevice.Layer3Forwarding.Forwarding.1.DestSubnetMask	255.255.255.0
12	10	InternetGatewayDevice.Layer3Forwarding.Forwarding.1.GatewayIPAddress	172.17.3.1

Dynamic Service Provisioning

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

The screenshot shows the 'Provision GlobalParameter_includenetwork' section of the VigorACS interface. It displays a table with columns for name and profile_id, listing various network profiles and their associated parameters.

name	profile_id
Network View(9989)	Empty
99999(7)	
777766(9)	
yyooooo88(4)	VPN
testnnn(10)	
networka(7)	
testcccc(19)	Empty
testg66(13)	VPN
test2666(3)	ADSL
test30333(4)	VOIP
test68(0)	WLAN
test74(0)	
test77(0)	
test80(1)	
test90(1)	
test22(0)	
test45(0)	VOIP

Advanced Firmware Management

Administrator can use advanced firmware management to manage CPE firmware easily.

The screenshot shows the 'Provision FirmwareUpgrade' section of the VigorACS interface. It displays a table with columns for name, model name, modem firmware, manufacturer, software version, firmware file, trigger name, status, event, and event type. The table lists several firmware upgrade events for different device models.

id	name	model_name	modem_firmw	manufacturer	software_ver	firmware_file	triggername	status	event	event_type
1	sample	Vigor2700 Series 100_A Annex_A	00507F	3.1.1.1_RC6	v2k7v_a_3.1.1.1_RC6.all	default	Disable	Nothing	Get Parameter Values	
2	2700	Vigor2900 Series 100_A Annex_A	00507F	3.1.1.1_RC8	/123_00507FC13164_20	default	Disable	Nothing	Vendor Configuration F	
3	2900	Vigor2700 Series 100_A Annex_A	00507F	3.1.1.1_RC9	/123_00507FC13164_20	default	Disable	Nothing	Vendor Configuration F	

Topology Management

VigorACS can intergate topology management with Map view.

The screenshot shows the 'Home View Network: Network View' section of the VigorACS interface. It features a world map with various network devices marked on it. A search bar is located above the map, and the map includes navigation controls like zoom in/out and map type selection (Map, Satellite, Hybrid).