

DrayTek

VigorACS

Professional TR-069 ACS



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.

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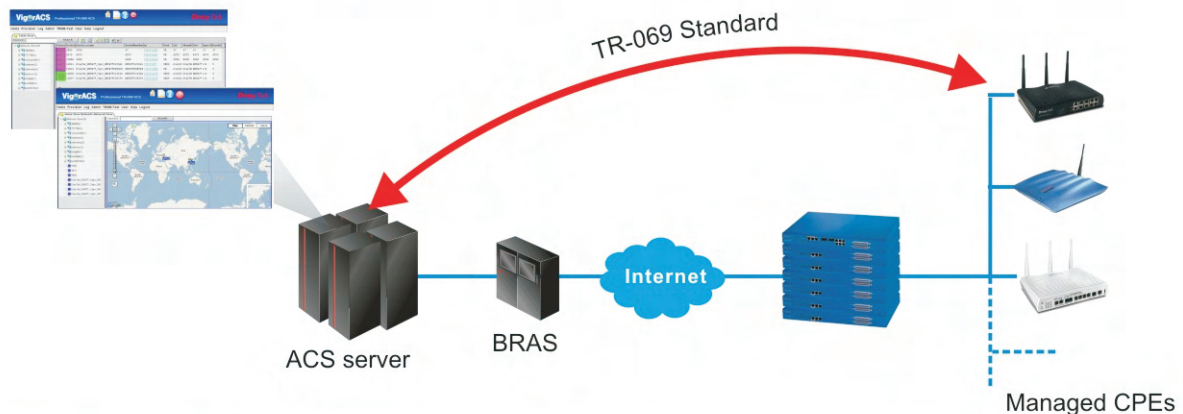
Main Features and Benefit

- 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



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.



Professional TR-069 ACS







Home Provision Log Admin TR069-Test User Help Logout


DeviceManagement

Keyword:

Search








name	Device	Device_name	SerialNo	Address	Ip	Port	Uri	UserNa	Passwo	Status	DeviceTy
Network View(9989)	11998	9992	9992	9992	172.17.3.1	80	9992	vigor	passwor	Disable	Tr069
99999(7)	11999	9993	9993	9993	172.17.3.1	80	9993	vigor	passwor	Disable	Tr069
777776(9)	12000	9994	9994	9994	172.17.3.1	80	9994	vigor	passwor	Disable	Tr069
yyooooo88(4)	12001	9995	9995	9995	172.17.3.1	80	9995	vigor	passwor	Disable	Tr069
testnnnn(10)	12002	9996	9996	9996	172.17.3.1	80	9996	vigor	passwor	Disable	Tr069
networka(7)	12003	9997	9997	9997	172.17.3.1	80	9997	vigor	passwor	Disable	Tr069
testcccc(19)	12004	9998	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_00507FD056D8	00507FD		172.17.3.2	80	/cwm/CR	vigor	passwor	Enable	Tr069
test68(0)	12024	test33	ff	tt	172.17.3.1	80	tt	tt	tt	Disable	Tr069
test74(0)	12025	test77	test77	77	172.17.3.1	77	77	77	77	Disable	Tr069
test77(0)	12026	test88	test88	88	172.17.3.1	88	88	88	88	Disable	Tr069
test80(1)	12027	test99	test99	99	172.17.3.1	99	99	99	99	Disable	Tr069
test90(1)	12028	test98	test98	98	172.17.3.1	98	98	98	98	Disable	Tr069
test22(0)	12029	test100	test100	100	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

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Device Status

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

Home Provision Log Admin TR069-Test User Help Logout												
Table View												
Keyword :	Search     											
- Network View(33) 99999(4) 777766(4) - yyooooo88(1) - testnnn(2) - networka(3) - testcccc(2) - testg66(7) - test2666(1) - test30333(2)	Status	Device	Device_name	SerialNumber	Ip	Port	Uri	Manuf	Oui	SpecV	Hardw	
	down	2043	3766	37	172.17.3.223	80	37	37	37	37	37	
	down	6979	4973	4973	172.17.3.221	80	4973	4973	4973	4973	4973	
	down	12004	9998	9998	172.17.3.120	80	9998	9998	9998	9998	9998	
	down	12011	DrayTek_00507F_Vigor_00507FD23344	00507F23344	172.17.3.77	8069	/cwm/C	DrayTel	00507F	1.0	5	
	down	12021	DrayTek_00507F_Vigor_00507FD056D8	00507FD056D8	172.17.3.203	80	/cwm/C	DrayTel	00507F	1.0	5	
	up	12036	DrayTek_00507F_Vigor_00507FC13164	00507FC13164	172.17.3.116	8069	/cwm/C	DrayTel	00507F	1.0	3	
	up	12037	DrayTek_00507F_Vigor_00507FC35378	00507FC35378	172.17.3.115	8069	/cwm/C	DrayTel	00507F	1.0	4	

Auto Configuration

VigorACS will retrieve all parameters of CPEs at the initial connection. Administrator can refresh all parameters at any time if CPE has new parameters.

The screenshot shows the VigorACS Professional TR-069 ACS interface. The top navigation bar includes links for Home, Provision, Log, Admin, TR069-Test, User, Help, and Logout. The main content area displays the configuration for a specific device, identified by the title bar as 'DrayTek_00507F_Vigor_00507FC13164'. The configuration is organized into a tree view on the left, with the 'InternetGatewayDevice' folder expanded. The right pane shows a table of parameters for this device.

Name	Value	IsWritable
InternetGatewayDevice.LANDeviceNumberOfEntries	1	
InternetGatewayDevice.WANDeviceNumberOfEntries	2	
InternetGatewayDevice.DeviceInfo		
InternetGatewayDevice.ManagementServer		
InternetGatewayDevice.Time		
InternetGatewayDevice.Time.NTPServer1	pool.ntp.org	✓
InternetGatewayDevice.Time.CurrentLocalTime	2008-07-24T03:23:00	
InternetGatewayDevice.Time.LocalTimeZone	+00:00	✓
InternetGatewayDevice.Time.LocalTimeZoneName	Greenwich Mean Time : Dublin	✓
InternetGatewayDevice.Time.DaylightSavingsUsed	false	✓
InternetGatewayDevice.Layer3Forwarding		
InternetGatewayDevice.LANDevice		
InternetGatewayDevice.WANDevice		
InternetGatewayDevice.Services		

At the bottom of the interface, a status bar provides additional information: Id: 12033, Ip: 172.17.3.116, Port: 8069, Uri: /cwm/CRN.html, Manufacturer: DrayTek, SN: 00507FC13164, Spec: 1.0, Hardware: 3.

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Dynamic Service Provisioning

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

The screenshot shows the VigorACS Professional TR-069 ACS interface with the 'Provision Global Setting' window open. The window has a 'Detail Window' tab selected, displaying two tables: 'SettingProfileLog_Upload' and 'SettingProfileLog_SetValue'.

SettingProfileLog_Upload

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 0	YES	root			9

SettingProfileLog_SetValue

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

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Advanced Firmware Management

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

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Provision_FirmwareUpgrade

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

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Topology Management

VigorACS can intergate topology management with Map view.

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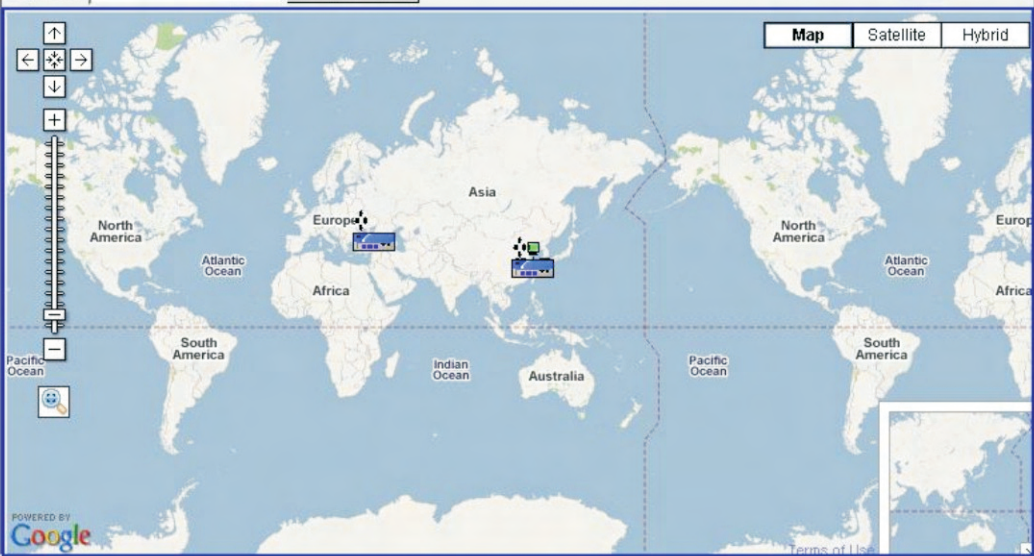
Home View Network: Network View

Network View(33)

- 99999(4)
- 777766(4)
- yyooooo88(1)
- testnnnn(2)
- networka(3)
- testcccc(2)
- testg66(7)
- test2666(1)
- test30333(2)
- 3766
- 4973
- 9998
- DrayTek_00507F_Vigor_005
- DrayTek_00507F_Vigor_005
- DrayTek_00507F_Vigor_005
- DrayTek_00507F_Vigor_005

Keyword: Search

Map Satellite Hybrid



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