

System Parameter Setting of VigorACS

Version 1.0

Summary

This application note describes the system parameter configuration functions of VigorACS. This document applies for VigorACS 1.1.1.1 or later.

References

- VigorACS User Guide.
- VigorACS Quick Start Guide.
- TR-069 specification.
- TR-104 specification.

Revision History

Issue	Date	Description
1	September 19, 2008	Initial release for VigorACS 1.1.1.1 or later, by Boham Liu.

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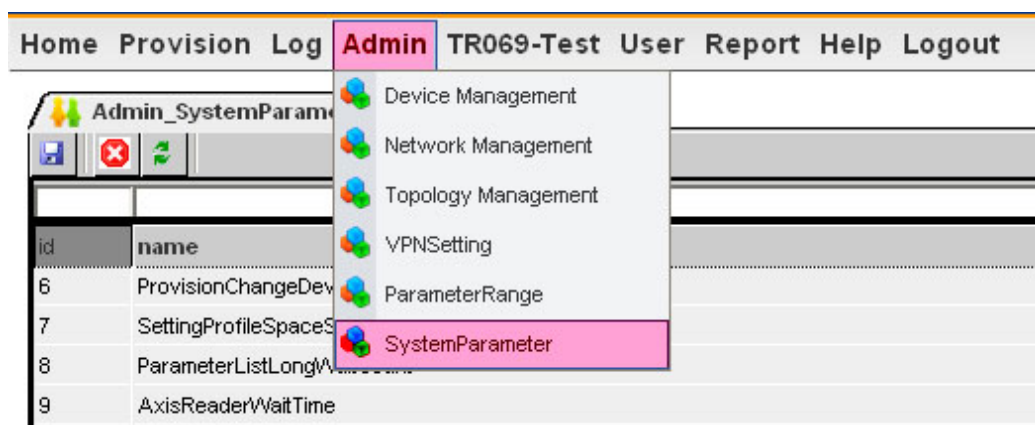
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1. Introduction

Centralized management systems need system parameters for further detailed and customized functions. VigorACS provides 21 system parameters for more customized settings, ex. **FirmwareUpgradeCount** allows users to define how many CPEs that can upgrade firmware through VigorACS at the same time, the purpose of this parameter setting is to set appropriate loading for hardware.

2. System parameter settings

To access the system parameter configuration function, click **Admin**→**SystemParameter**.



The system parameter table would show as following:

id	name	value
1	ProvisionKeepParameter	false
2	ProvisionWaitCount	3
3	ProvisionFactoryResetEnable	true
4	FirmwareUpgradeCount	50
5	ProvisionDeviceAutoEnable	true
6	ProvisionChangeDeviceNameEnable	true
7	SettingProfileSpaceSetEnable	true
8	ParameterListLongWaitCount	1200
9	AxisReaderWaitTime	20000
10	DefaultMapType	maps
11	RestoreSpaceSetEnable	false
12	GetSetParameterCount	20
13	IsDownloadUsedHttps	true
14	ProvisionProfileFormat	2
15	IsRebootAfterDownload	false
16	KeepProfileUpdateRule	1

The system parameter descriptions are as following:

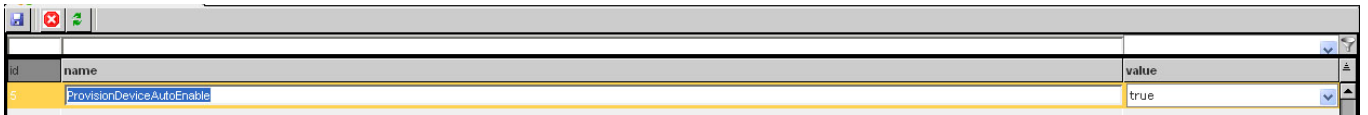
id	system parameter	Description
1	ProvisionKeepParameter	The value is set true or false . If the value is set false , VigorACS would disable Keep Profile function. The Keep Profile was disabled that if uploading a profile, the parameters would not be kept.
2	ProvisionWaitCount	The value is a positive integer . The value means how many times VigorACS would compare parameter values that get from CPEs and parameter values set within profiles, if the values are differ from each other (from CPEs and from profiles), then VigorACS would increase the count by 1. When the count increase to the value that users defined, VigorACS would process Keep Profile function. (For further detail of Keep Profile function, please reference the global parameter setting application note)
3	ProvisionFactoryResetEnable	The value is set true or false . If the value is set false , VigorACS would disable Keep Profile function when CPE parameters are set factory default.
4	FirmwareUpgradeCount	The value is a positive integer . The value indicates how many CPEs can upgrade firmware at the same time. Set a proper value to prevent hardware over loading and causing crash.
5	ProvisionDeviceAutoEnable	The value is true or false . If the value is set false , when a profile define a CPE with different name but same serial number, the CPE would not be added in Table View .
6	ProvisionChangeDeviceName Enable	The value is true or false . If the value is set true , when a profile define a CPE with different name but same serial number, VigorACS would modify current CPE name with that defined in profile.

7	SettingProfileSpaceSetEnable	The value is true or false . If the value is set true , VigorACS would allow users use space as character in parameter values. Ex. User can use the space character as their password.
8	ParameterListLongWaitCount	The value is a positive integer (ms).After upgrading firmware, VigorACS will scan and get all parameters to restore the parameter backup. The value determines how long the waiting time out is. This value multiply 50 is the max waiting time in millisecond. This parameter will take effect after VigorACS restart.
9	AxisReaderWaitTime	This parameter is abandoned and not for use.
10	DefaultMapType	The value is maps or ditu . maps as default Google map tool, and ditu is the API specific for China.
11	RestoreSpaceSetEnable	The value is true or false . If set false , when restore parameter backup, VigorACS would skip the parameter values contain space character and set them with default values. Otherwise VigorACS would set space character to those parameter values.
12	GetSetParameterCount	The value is a positive integer . When provisioning CPEs, VigorACS tries to get or set parameter from CPEs. This value determines how many parameter values can be get or set at the same time. Set this value properly to prevent CPEs crash or improve efficiency.
13	IsDownloadUsedHttps	The value is true or false . When CPEs connect to VigorACS using Https, users can set this parameter true for letting CPEs download file from VigorACS via Https, or set false via Http.
14	ProvisionProfileFormat	The value is 1 or 2 . This value indicates which format of text configured profile. If the value is set 2 (as the default format), the format is defined as “serial number, device name, isreboot, network, [parameter1, parameter2...]”.


		Otherwise, if the value is set 1 , the format is defined as “serial number, network_device name, isreboot, [parameter1, parameter2...]”.
15	IsRebootAfterDownload	The value is true or false . After downloading and upgrading the firmware, set this parameter true to reboot the CPE, or set false to let users reboot the CPE manually.
16	KeepProfileUpdateRule	The value is 1 , 2 or 3 . The value 1 means after uploading profile keep original Keep Profile setting and only add extra parameter settings (if the profile file contains more parameter settings). The value 2 means after uploading profile if the device name changed, delete original Keep Profile setting. The value 3 means after uploading profile delete original Keep Profile settings every time.
17	IsSetGlobalParameter	The value is true or false . If the value set false , VigorACS would disable global parameter configuration function. If this value set false , and users still set global parameters, the parameters won't be applied.
18	IsChangeSettingProfileIndex	This parameter is set only when users use Micronet CPE.
19	IsTurnOffPeriodicInform	The value is true or false . If PeriodicInform interval is too short, CPEs may sent too much inform to VigorACS and cause the server crash. Set this value true only if the case happened, after adjusting the PeriodicInform of CPEs remember to set this value false .
20	PollingDeviceCount	The value is a positive integer . The value determines the max number of CPEs to polling at one time. If this value set too small, it could cause overloading to server. But if this value set too big, it could make CPEs status refresh very slow. After change this parameter value, VigorACS need to restart to apply the change .
21	DeviceAutoEnable	The value is true or false . If the value is set true , the

		newly added device would be added in Table View after auto discovery and configuration .
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When setting system parameters double click the parameter record in system parameter table.



id	name	value
5	ProvisionDeviceAutoEnable	true

After editing the parameter, click  to save the system parameter. (Check the descriptions table above if VigorACS need to restart to apply the parameter change)