

How to manage the configuration file downloading

(KX-HDV1xx/230/330/430)

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Ver.1.2

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Abstract

This document describe about how to manage the configuration file downloading.

Revision history

Date	Version	Revision	Firmware version
Sep. 4, 2015	Ver. 1.0	Initial Release	All versions
Nov. 19, 2015	Ver. 1.1	HDV330 is added.	All versions
Sep.1, 2016	Ver.1.2	HDV430 is added.	All versions

Manage for Download timing of Configuration Files

The device can automatically download the configuration files when it starts up according to its setting.

Also depending on the settings, we can control the download timing. It can also download periodically, or download by synchronizing with SIP NOTIFY signal.

Please refer to the following sections for detail.

- 1-1. Parameters for determining the timing of downloading
- 1-2. Configuration for Automatic Download
- 2-1. Download by Synchronizing with SIP NOTIFY signal
- 2-2. Configuration for Synchronizing with SIP NOTIFY signal
- 3. Explanation of Setting Parameter

1-1. Parameters for determining the timing of downloading

Configuration Parameter (web user interface parameter)	Download Once at startup	Periodical Download in specified interval	Periodical Download at specified time
CFG_CYCLIC (Cyclic auto resync)	N	Y	Y
CFG_CYCLIC_INTVL (Resync Interval)	-	Interval in minutes "10080" is default	-
CFG_RESYNC_TIME (-)	-	-	Resync Time e.g. "02:00"
CFG_RTRY_INTVL (-)	-	Retry Count "30" is default.	-
Download configuration file in each settings	HDV1xx/230/330/430 Provisioning Server Power-on Configuration file Success	HDV1xx/230/330/430 Provisioning Server Power-on Configuration file Success CFG_CYCLIC_INTVL ERROR Retry CFG_RTRY_INTVL Success	HDV1xx/230/330/430 Provisioning Server Power-on Configuration file Success 02:00 Success 02:00 Success

(-)not effective

1-2. Configuration for Automatic Download

Setting method via WEB user interface

1. Enter the IP address into a PC's Web Browser. Login "Administrator".
2. Move to [Maintenance] - [Provisioning Maintenance] screen.
3. Enter the path of Configuration file.
4. Check [Cyclic Auto Resync] – "Yes".
5. Enter the interval of download.

The screenshot shows the Panasonic KX-HDV130 web interface. The top navigation bar includes Status, Network, System, VoIP, Telephone, and Maintenance. The Maintenance tab is selected. On the left sidebar, the Maintenance menu is expanded, showing Provisioning Maintenance, Firmware Maintenance, Upgrade Firmware, Export Logging File, Reset to Defaults, and Restart. The Provisioning Maintenance screen contains the following fields:

- Standard File URL: [Empty text box]
- Product File URL: [Empty text box]
- Master File URL: [Empty text box]
- Cyclic Auto Resync: Radio buttons for Yes (selected) and No
- Resync Interval: 10080 minutes [1-40320]
- Time Resync: [Empty text box] [00:00-23:59, NULL: Disable]
- Header Value for Resync Event: check-sync

Red boxes and numbers indicate the configuration steps: 1. Maintenance tab, 2. Provisioning Maintenance menu item, 3. Standard File URL field, 4. Cyclic Auto Resync Yes button, 5. Resync Interval field.

Setting method by Configuration file

1. Set the configuration file as follows.

```
CFG_STANDARD_FILE_PATH="http://provisioning.example.com/Config{mac}.cfg"  
CFG_CYCLIC="Y"  
CFG_CYCLIC_INTVL="10080"
```

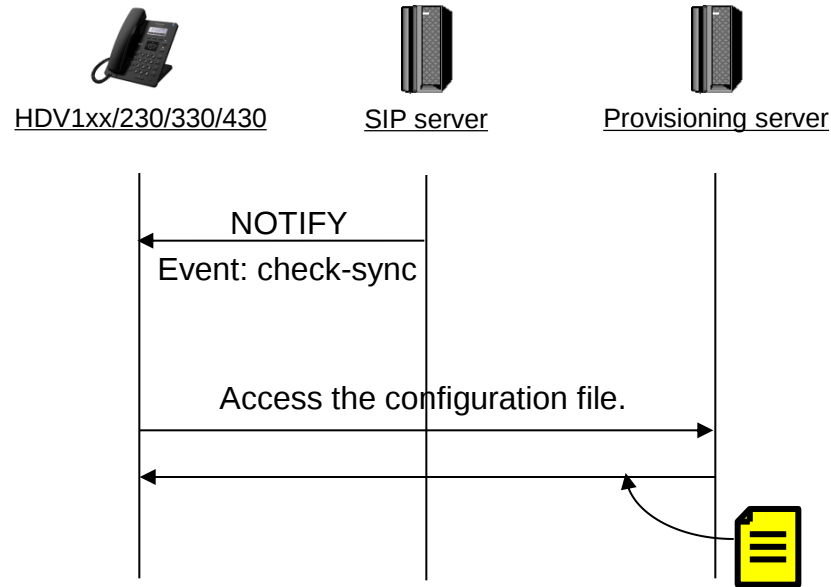
The URL is an example.

*CFG_CYCLIC_INTVL="10080" is default value. Value range is "1 – 40320".

2. Apply to the terminal.

2-1. Download by Synchronizing with SIP NOTIFY signal

“Event” header value is an example.



The following figure shows an example NOTIFY message from the server, directing the units to perform provisioning. The text "check-sync" is specified for "CFG_RESYNC_FROM_SIP".

```
NOTIFY sip:1234567890@sip.example.com SIP/2.0
Via: SIP/2.0/UDP xxx.xxx.xxx.xxx:5060;branch=abcdef-ghijkl
From: sip:prov@sip.example.com
To: sip:1234567890@sip.example.com
Date: Thu, 1 Jan 2009 01:01:01 GMT
Call-ID: 123456-1234567912345678
CSeq: 1 NOTIFY
Contact: sip:xxx.xxx.xxx.xxx:5060
Event: check-sync
Content-Length: 0
```

2-2. Configuration for Synchronizing with SIP NOTIFY signal

Setting method via WEB user interface

1. Enter the IP address into a PC's Web Browser. Login "Administrator".
2. Move to [Maintenance] - [Provisioning Maintenance] screen.
3. Specify the value of the "Event" header (typically "check-sync" or "resync" is set) to "Header Value for Resync Event".

The screenshot shows the Panasonic KX-HDV130 web interface. The top navigation bar includes Status, Network, System, VoIP, Telephone, and Maintenance. The Maintenance tab is selected. The left sidebar shows Maintenance, Provisioning Maintenance, Firmware Maintenance, Upgrade Firmware, Export Logging File, Reset to Defaults, and Restart. The Provisioning Maintenance section is active, showing fields for Standard File URL, Product File URL, Master File URL, Cyclic Auto Resync (Yes/No), Resync Interval (10080 minutes), Time Resync ([00:00:23:59, NULL: Disable]), and Header Value for Resync Event (check-sync). Red boxes and arrows indicate the steps: 1. Click 'Maintenance' in the top navigation bar. 2. Click 'Provisioning Maintenance' in the left sidebar. 3. Enter 'check-sync' in the 'Header Value for Resync Event' field.

Setting method by Configuration file

1. Set the configuration file as follows.

```
CFG_RESYNC_FROM_SIP="check-sync"
```

2. Apply to the terminal.

3. Explanation of parameter(1/2)

Configuration File Parameter (WEB user interface Parameter)	Value Range (default)	Description
CFG_CYCLIC (Cyclic auto resync)	Y/N (N)	Specifies whether the unit periodically downloads configuration files from the provisioning server.
CFG_CYCLIC_INTVL (Resync Interval)	1–40320 (10080)	Specifies the interval, in minutes, between periodic downloads configuration files from the provisioning server.
CFG_RTRY_INTVL (-)	1–1440 (30)	Specifies the period of time, in minutes, that the unit will retry downloading configuration files after download/parse error occurs.

3. Explanation of parameter(2/2)

CFG_RESYNC_TIME (-)	00:00–23:59 (Empty string) Note • If the value for this setting is any valid value other than an empty string, the unit downloads the configuration files at the fixed time, and the settings specified in "CFG_CYCLIC", "CFG_CYCLIC_INTVL", and "CFG_RTRY_INTVL" are disabled. • If the value for this setting is an empty string, downloading the configuration files at the fixed time are disabled.	Specifies the time (hour:minute) that the unit checks for updates of configuration files.
CFG_RESYNC_FROM_SIP (Header Value for Resync Event)	Max. 15 characters Note • If the value for this setting is any value other than an empty string (typically "check-sync" or "resync" is set), the unit will access the configuration files on the provisioning server when the SIP server sends an event to notify the unit. • If the value for this setting is an empty string, the unit will not access the configuration files on the provisioning server even if the unit receives a synchronization notification of an event.	Specifies the value of the "Event" header sent from the SIP server to the unit so that the unit can access the configuration files on the provisioning server.

How to access Web user interface

1. Confirm the IP address of device.

1-1 : [Menu](HDV1xx/230) / [HOME](HDV330/430)

→ [System Settings] → [Status] → [IPv4 Settings] → [IP Address]

1-2 : Confirm the IP address displayed on LCD.

2. Embedded Web

2-1 : [Menu](HDV1xx/230) / [HOME](HDV330/430)

→ [Basic Setting] → [Other Option] → [Embedded Web] → [On]

3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your device's URL to Web browser.

(http://your device's IP address)

3-3 : Enter Authentication ID and password and click "OK".

(Default : ID="admin", password="adminpass")