Provisioning sequence and timing of encryption keys

(KX-UT670)

No. 22-007

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Ver.1.0

Panasonic Corporation
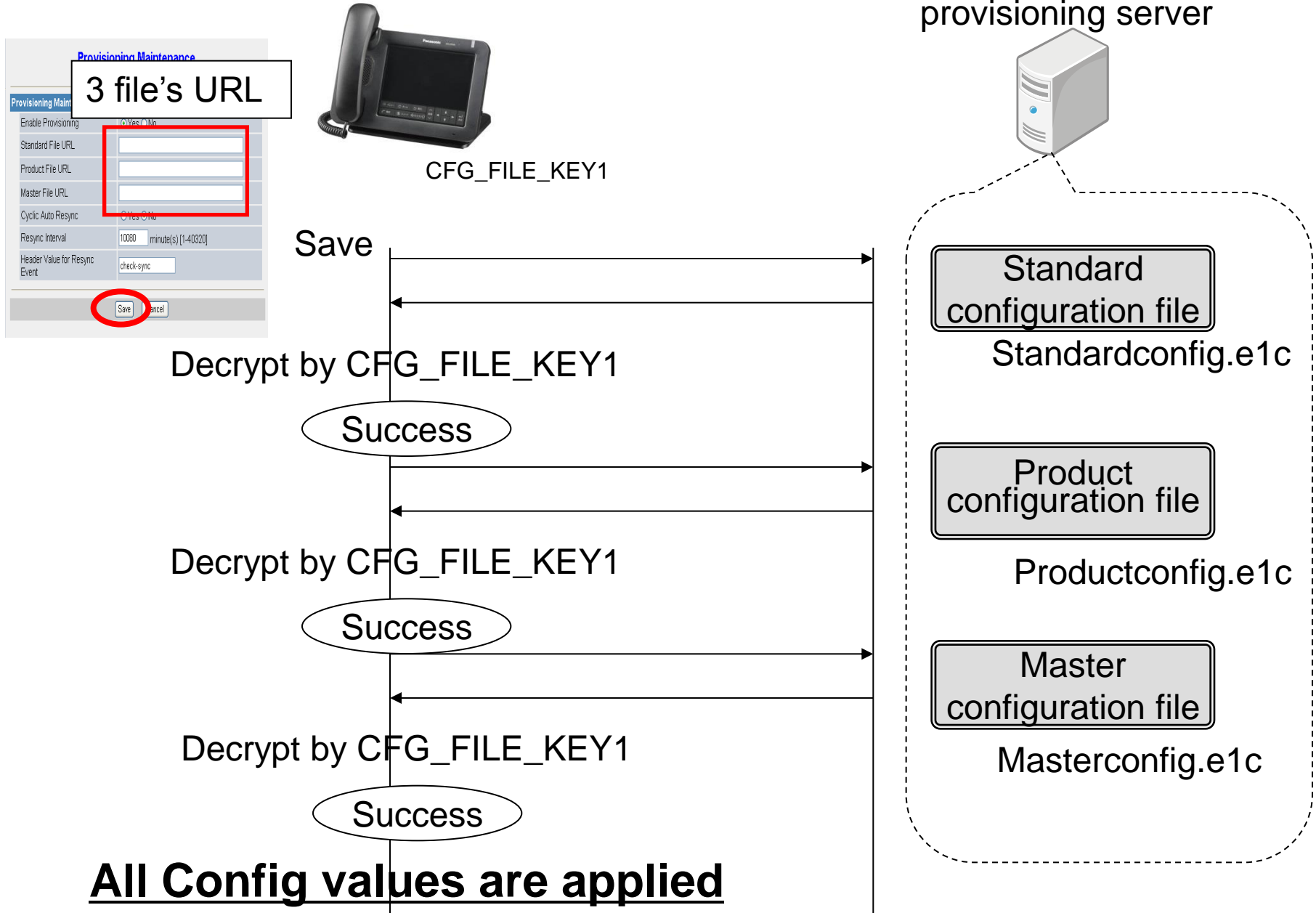
Abstract about this document

This document describe about the timing when CFG_FILE_KEY is applied to UT670 during provisioning process. During provisioning, UT670 use 3 types (Standard, Product, Master) of keys to decrypt each encrypted configuration files depend on the extension name. There is a situation UT670 fails to decrypt Product and Master file.
This document describes the provisioning sequence and how to use the Key files, also the case UT670 fails to decrypt files.

Revision history

Date	Version	Revision	Firmware version
Dec 22, 2011	Ver. 1.0	Initial release	All versions

1. Provisioning processing in UT670 (In case only Key number 1)

provisioning server

3 file's URL

Provisioning Maintenance

Provisioning Maint	
Enable Provisioning	Yes No
Standard File URL	
Product File URL	
Master File URL	
Cyclic Auto Resync	Yes No
Resync Interval	10080 minute(s) [1-40320]
Header Value for Resync Event	check-sync

Save Cancel

CFG_FILE_KEY1

Save

Decrypt by CFG_FILE_KEY1

Success

Standard configuration file

Standardconfig.e1c

Decrypt by CFG_FILE_KEY1

Success

Product configuration file

Productconfig.e1c

Decrypt by CFG_FILE_KEY1

Success

Master configuration file

Masterconfig.e1c

All Config values are applied

2. Problem case (case different key is used for 3 files)

When you input both Standard and Product File URL, and if Product configuration file use is set to use Key number 2 or 3 (extension set as "e2c" or "e3c"), it is failed to apply Product configuration file since key is not applied at that moment.

2 file's URL

CFG_FILE_KEY1

Include
CFG_FILE_KEY2

Save

Standard configuration file

Standardconfig.e1c

Decrypt by CFG_FILE_KEY1

different

Success

Product configuration file

Productconfig.e2c

Decrypt by default CFG_FILE_KEY2

Failure

(Because CFG_FILE_KEY2 is not yet applied at this moment)

All settings are **not** applied
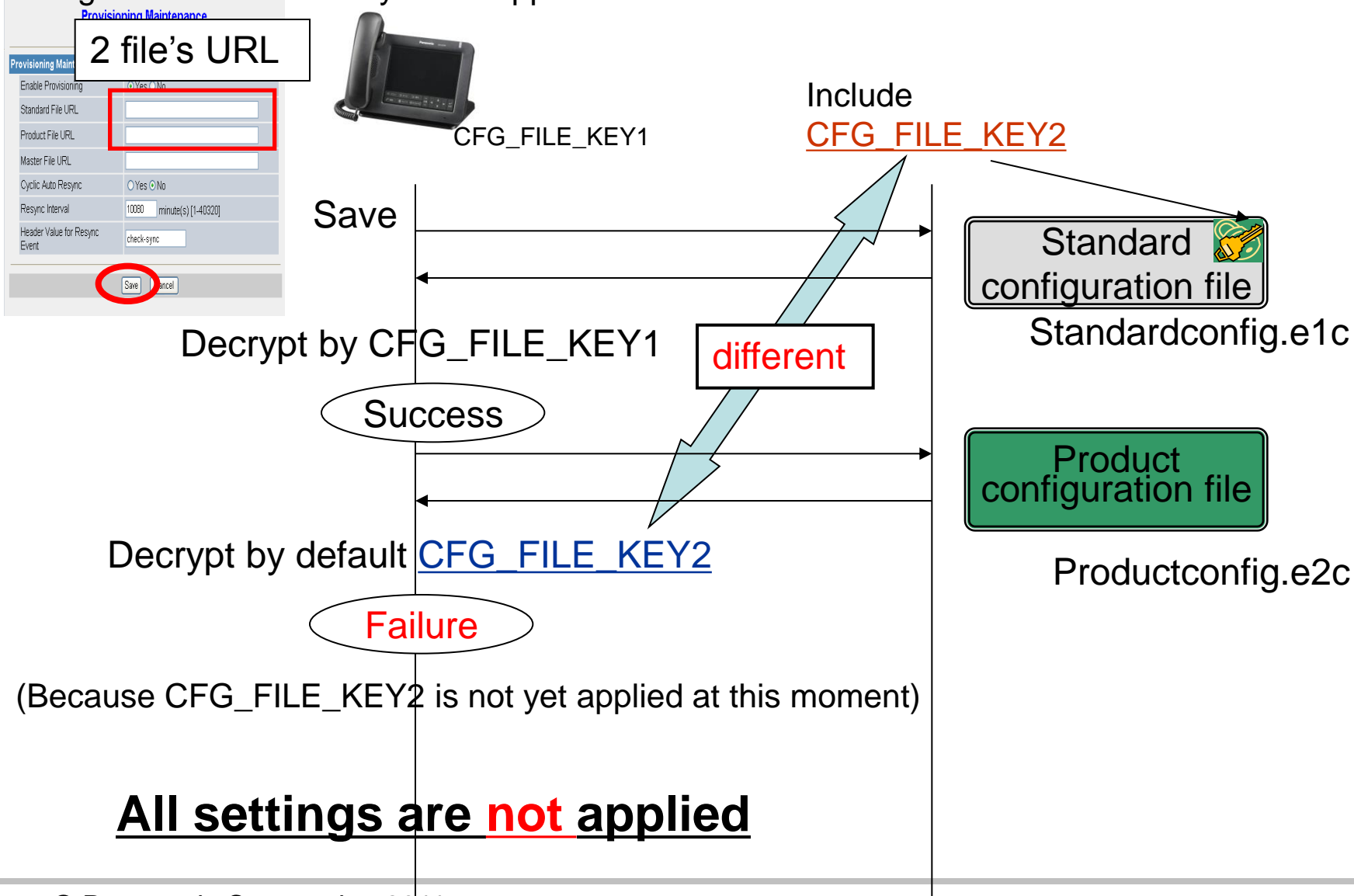
3. Solution

Please input Standard File URL only so that Key number 2 described in Standard configuration file will be used.

Provisioning Maintenance

1 file's URL

Provisioning Maint	
Enable Provisioning	⊙Yes ○No
Standard File URL	
Product File URL	
Master File URL	
Cyclic Auto Resync	○Yes ⊙No
Resync Interval	10080 minute(s) [1-40320]
Header Value for Resync Event	check-sync

Save Cancel

CFG_FILE_KEY1

Include CFG_FILE_KEY2

Save

Standard configuration file (Include ProductfileURL)

Decrypt by CFG_FILE_KEY1

CFG_PRODUCT_FILE_PATH

Success

Settings in the standard config file are applied
(CFG_FILE_KEY2 is applied)

Decrypt by CFG_FILE_KEY2

Product configuration file

Success

Settings in the product config file are applied

Productconfig.e2c