

Configure Provisioning Parameters on SPA100 Series

Objectives

Provisioning parameters control resync actions, with the exception of firmware upgrades.

The objective of this document is to show you how to change provisioning parameters in order to adjust when certain resync actions take place.

Applicable Devices

- SPA112
- SPA122

Step-by-step Procedure

Configuration Profile

Provisioning

Configuration Profile

Provision Enable:	<input type="text" value="yes"/>	Resync On Reset:	<input type="text" value="yes"/>
Resync Random Delay:	<input type="text" value="2"/>	Resync At (HHmm):	<input type="text"/>
Resync At Random Delay:	<input type="text" value="600"/>	Resync Periodic:	<input type="text" value="3600"/>
Resync Error Retry Delay:	<input type="text" value="3600"/>	Forced Resync Delay:	<input type="text" value="14400"/>
Resync From SIP:	<input type="text" value="yes"/>	Resync After Upgrade Attempt:	<input type="text" value="yes"/>
Resync Trigger 1:	<input type="text"/>		
Resync Trigger 2:	<input type="text"/>		
Resync Fails On FNF:	<input type="text" value="yes"/>		
Profile Rule:	<input type="text" value="/spa\$PSN.cfg"/>		
Profile Rule B:	<input type="text"/>		
Profile Rule C:	<input type="text"/>		
Profile Rule D:	<input type="text"/>		
Profile Name:	<input type="text"/>	Profile Region:	<input type="text"/>
Log Resync Request Msg:	<input type="text" value="\$PN \$MAC -- Requesting resync \$\$SCHEME://\$SERVIP:\$PORT\$PATH"/>		
Log Resync Success Msg:	<input type="text" value="\$PN \$MAC -- Successful resync \$\$SCHEME://\$SERVIP:\$PORT\$PATH"/>		
Log Resync Failure Msg:	<input type="text" value="\$PN \$MAC -- Resync failed: \$ERR"/>		
Report Rule:	<input type="text"/>		

Firmware Upgrade

Upgrade Enable:	<input type="text" value="yes"/>	Downgrade Rev Limit:	<input type="text"/>
Upgrade Error Retry Delay:	<input type="text" value="3600"/>		
Upgrade Rule:	<input type="text"/>		
Log Upgrade Request Msg:	<input type="text" value="\$PN \$MAC -- Requesting upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH"/>		
Log Upgrade Success Msg:	<input type="text" value="\$PN \$MAC -- Successful upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH -- \$ERR"/>		
Log Upgrade Failure Msg:	<input type="text" value="\$PN \$MAC -- Upgrade failed: \$ERR"/>		
License Keys:	<input type="text"/>		

General Purpose Parameters

GPP A:	<input type="text"/>
GPP B:	<input type="text"/>
GPP C:	<input type="text"/>
GPP D:	<input type="text"/>
GPP E:	<input type="text"/>
GPP F:	<input type="text"/>
GPP G:	<input type="text"/>
GPP H:	<input type="text"/>
GPP I:	<input type="text"/>
GPP J:	<input type="text"/>
GPP K:	<input type="text"/>
GPP L:	<input type="text"/>
GPP M:	<input type="text"/>
GPP N:	<input type="text"/>
GPP O:	<input type="text"/>
GPP P:	<input type="text"/>

Step 1. Choose **Voice > Provisioning** from the Phone Adapter Configuration Utility. This opens the *Provisioning* window.

Configuration Profile			
Provision Enable:	yes ▼	Resync On Reset:	yes ▼
Resync Random Delay:	2	Resync At (HHmm):	
Resync At Random Delay:	600	Resync Periodic:	3600
Resync Error Retry Delay:	3600	Forced Resync Delay:	14400
Resync From SIP:	yes ▼	Resync After Upgrade Attempt:	yes ▼
Resync Trigger 1:			
Resync Trigger 2:			
Resync Fails On FNF:	yes ▼		
Profile Rule:	/spa\$PSN.cfg		
Profile Rule B:			
Profile Rule C:			
Profile Rule D:			
Profile Name:		Profile Region:	

Step 2. Choose **Yes** from the *Provision Enable* drop-down list.

Step 3. Choose **Yes** from the *Resync On Reset* drop-down list. This triggers a resync after every reboot.

Note: Resync will not be triggered after reboots caused by parameter updates or firmware upgrades.

Step 4. Enter a value for the *Resync Random Delay* field. Default value is 2.

Note: The field is in units of 20 seconds (i.e. The default value of 2, represents 40 seconds)

Step 5. Enter a value for the *Resync Periodic* field. The default is 3600 seconds.

Note: If zero is entered in the *Resync Period* field, periodic resyncing is disabled.

Step 6. Enter a value for the *Resync Error Retry Delay* field. The default is 3600 seconds.

Step 7. Enter a value for the *Forced Resync Delay* field. The default value is 14,400 seconds.

Configuration Profile			
Provision Enable:	yes ▼	Resync On Reset:	yes ▼
Resync Random Delay:	2	Resync At (HHmm):	
Resync At Random Delay:	600	Resync Periodic:	3600
Resync Error Retry Delay:	3600	Forced Resync Delay:	14400
Resync From SIP:	yes ▼	Resync After Upgrade Attempt:	yes ▼
Resync Trigger 1:			
Resync Trigger 2:			
Resync Fails On FNF:	yes ▼		
Profile Rule:	/spa\$PSN.cfg		
Profile Rule B:			
Profile Rule C:			
Profile Rule D:			
Profile Name:		Profile Region:	

Step 8. Choose **Yes** from the *Resync From SIP* drop-down list.

Step 9. To trigger a resync after all firmware upgrade attempts, enable *Resync After Upgrade Attempts*

Step 10. Enter values for the *Resync Trigger 1* and *Resync Trigger 2* fields.

Note: When the logic equation in these two parameters evaluates to TRUE, a resync is triggered.

Step 11. Choose **Yes** from the *Resync Fails on FNF* drop-down list to activate the error resync timer when a file-not-found response is determined to be a failed resync attempt.

Step 12. Click the **Submit** button to save changes.

Firmware Upgrade

Step 1. Choose **Voice > Provisioning** from the Phone Adapter Configuration Utility. This opens the *Provisioning* window.

Firmware Upgrade	
Upgrade Enable:	yes ▾
Upgrade Error Retry Delay:	3600
Downgrade Rev Limit:	
Upgrade Rule:	
Log Upgrade Request Msg:	\$PN \$MAC -- Requesting upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH
Log Upgrade Success Msg:	\$PN \$MAC -- Successful upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH -- \$ERR
Log Upgrade Failure Msg:	\$PN \$MAC -- Upgrade failed: \$ERR
License Keys:	

Step 2. To enable firmware upgrade operations, choose **Yes** from the *Upgrade Enable* drop-down list.

Step 3. Enter a value in the *Upgrade Error Retry Delay* field, to set the retry interval in the case of a failed upgrade attempt. The default value is 3600 seconds.

Step 4. Enter a value in the *Downgrade Rev Limit* field. This enforces a lower limit on the acceptable version number during a firmware upgrade or downgrade. The default setting is empty.

Step 5. Enter a value in the *Upgrade Rule* field. This parameter defines upgrade conditions and associated firmware URLs.

Firmware Upgrade	
Upgrade Enable:	yes ▾
Upgrade Error Retry Delay:	3600
Downgrade Rev Limit:	
Upgrade Rule:	
Log Upgrade Request Msg:	\$PN \$MAC -- Requesting upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH
Log Upgrade Success Msg:	\$PN \$MAC -- Successful upgrade \$\$SCHEME://\$SERVIP:\$PORT\$PATH -- \$ERR
Log Upgrade Failure Msg:	\$PN \$MAC -- Upgrade failed: \$ERR
License Keys:	

Step 6. Enter a value for the *Log Upgrade Request Msg* field. This is the syslog message issued at the start of a firmware upgrade attempt.

Step 7. Enter a value for the *Log Upgrade Success Msg* field. This is the syslog message issued after a firmware upgrade attempt completes successfully.

Step 8. Enter a value for the *Log Upgrade Failure Msg* field. This is the syslog message issued after a failed firmware upgrade attempt.

Step 9. Click the **Submit** button to save changes.

General Purpose Parameters

General Purpose Parameters	
GPP A:	<input type="text"/>
GPP B:	<input type="text"/>
GPP C:	<input type="text"/>
GPP D:	<input type="text"/>
GPP E:	<input type="text"/>
GPP F:	<input type="text"/>
GPP G:	<input type="text"/>
GPP H:	<input type="text"/>
GPP I:	<input type="text"/>
GPP J:	<input type="text"/>
GPP K:	<input type="text"/>
GPP L:	<input type="text"/>
GPP M:	<input type="text"/>
GPP N:	<input type="text"/>
GPP O:	<input type="text"/>
GPP P:	<input type="text"/>

Step 1. Choose **Voice > Provisioning** from the Phone Adapter Configuration Utility. This opens the *Provisioning* window.

Note: These parameters can be used as variables in provisioning and upgrade rules. They are referenced by prepending the variable name with a "\$" character, such as \$GPP_A \$GPP_B.