



VoIP – Screenshot / Eurotunnel - Apixit

VERSION 1.0 - OCT 2025

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1 Photo de la face avant du 8 ports FXS : SN4141E/8JS8V/DC-CXR



2 Photo de la face avant du 4 ports FXS : SN4141E/4JS4V/DC-CXR



3 Release

```
OFC0D0>show version
Software Version:    3.16.2-19122
Hardware Version:   1
Hardware Revision:  2
OFC0D0>
```

```
OFC0D0>show system image
Software Image #1
```

```
=====
```

```
Image State:        active, next
Build Version:      3.16.2-19122
Build Date:         2019/11/14
Build Number:       19122
Build Type:         Release
```

```
Software Image #2
```

```
=====
```

```
Image State:        inactive
Build Version:      3.15.2-19042
Build Date:         2019/03/22
Build Number:       19042
Build Type:         Release
```

```
OFC0D0>
```



The screenshot shows the CXR management interface. On the left is a sidebar menu with categories: System, Management, Network, Routing, Telephony, SIP, FXS, FXO, VPN, Wizard, Save Config, and Reboot. The 'Firmware Upgrade' option is selected under the 'System' category. A red arrow points from this menu item to the main content area. The main content area displays a 'Firmware Upgrade' window with the following details:

Next Boot	
State	Running
Release Build	3.16.2-19122
Build Date	2019/11/14

State	Inactive
Release Build	3.15.2-19042
Build Date	2019/03/22

Buttons: Select For Next Boot, Upgrade, Reboot

4 Login / Password

Default : ip : 192.168.200.10/24

Login : admin

password: <Enter>

```

10.6.0.4 - PuTTY
Patton Electronics Company SN4141E/4JS4J08V
Release: 3.16.2-19122 2019/11/14
By logging in you agree to Patton EULA
https://www.patton.com/legal/eula-general.asp

0FC0D0 login: admin
Password:

0FC0D0>
  
```

Login

User Name:

Password:

[End User License Agreement \(EULA\)](#)

Accept EULA & Login

5 IP Address

5.1 Default: DHCP

- System >
- Management >
- Network >
- Routing >
- Telephony >
- SIP >
- FXS >
- FXO >
- VPN >
- Wizard
- Save Config
- Reboot

IP Interfaces - Context ROUTER

WAN

— Binding —

Linked To: Ethernet 0/0

— Profiles —

RIP: [dropdown]

— Addresses —

SLAAC addresses that use Stateless DHCP6 are denoted 'SLAAC+' in the type column.

Address Name	State	Type	IP Address
DHCP	UP	DHCP	10.6.0.4/16
LINK-LOCAL	UP	System	fe80::2a0:ba1f:fe0f:c0d0/64
WAN_STATIC	UP	Static	192.168.200.10/24

— Advanced —

Leave this table empty to add DHCP received default route to all routing tables.

Add specific routing tables to this table to apply the DHCP default-route to the selected routing tables.

Routing Table

[+ - / icons]

5.2 Configuration

Adresse ip par défaut du VOIP-4141: 192.168.200.10/24

The screenshot shows the configuration page for IP Interfaces on a Context ROUTER. The WAN interface is selected, and the 'Addresses' section is expanded. A table lists the configured addresses:

Address Name	State	Type	IP Address
DHCP	UP	DHCP	10.6.0.4/16
LINK-LOCAL	UP	System	fe80::2a0:baff:fe0f:c0d0/64
WAN_STATIC	UP	Static	192.168.200.10/24

The 'Edit IP Address' dialog is open, showing the configuration for the selected address. The 'Name' is 'DHCP' and the 'Address Type' is set to 'DHCP'. The dialog also includes fields for 'Accept Hostname', 'Accept DNS Servers', 'Accept Default Route', and 'Metric'.



IP Interfaces - Context ROUTER

WAN

Binding: Ethernet 0/0

Profiles: RIP

Addresses:

Address Name	State	Type	IP Address
DHCP	UP	DHCP	10.6.0.4/16
LINK-LOCAL	UP	System	fe80::2a0:baff:fe0f:c0d0/64
WAN_STATIC	UP	Static	192.168.200.10/24

Advanced: Leave this table empty to add DHCP received. Add specific routing tables to this table to apply.

Routing Table

Advanced: DHCP, Static, DHCP6, IPCP, L2TP, SLAAC, AUTO IPv6, VRRP

5.3 SIP – Authentication

Authentication Service

AS Configuration

Users

User Name	Password
4444

Edit User

User Name: 4444

Password:

Add: 4455 / SIP-4455

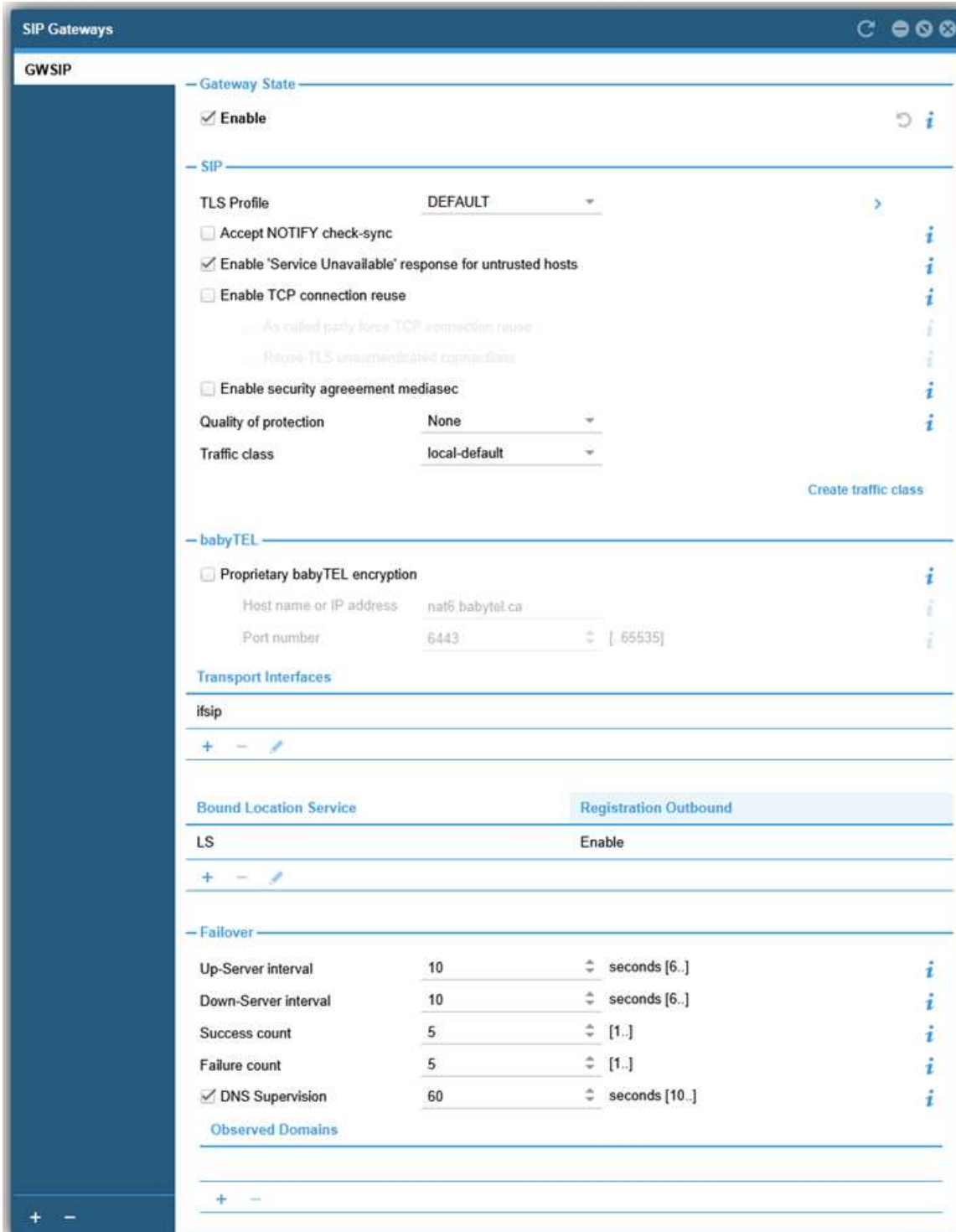
```

Configuration Files
startup-config      context cs SWITCH
                    no shutdown
shipping-config
CXR_4141E.txt       authentication-service AS
                    username 4444 password xhqTKKyHUAY= encrypted
                    username 4455 password 07onHRdKyqyG13aQtN5aEA== encrypted
    
```

```
11F66A(as) [AS] #username
 4455                Existing user-name
 4444                Existing user-name
 <username>         Authentication username
11F66A(as) [AS] #username 4466
 <cr>                Press ENTER to execute the command
 password           Sets authentication password (Default: no
                    password)
```



5.4 SIP Gateway



The screenshot shows the configuration page for a SIP Gateway named 'GWSIP'. The interface is organized into several sections:

- Gateway State:** Includes a checked 'Enable' checkbox.
- SIP:**
 - TLS Profile: DEFAULT
 - Accept NOTIFY check-sync:
 - Enable 'Service Unavailable' response for untrusted hosts:
 - Enable TCP connection reuse: (with sub-options: As called party force TCP connection reuse, Reuse TLS unauthenticated connections)
 - Enable security agreement mediasec:
 - Quality of protection: None
 - Traffic class: local-default
 - Button: Create traffic class
- babyTEL:**
 - Proprietary babyTEL encryption:
 - Host name or IP address: nat6.babytel.ca
 - Port number: 6443 [65535]
- Transport Interfaces:**
 - Interface: ifsip
- Bound Location Service:**
 - Service: Registration Outbound
 - LS: Enable
- Fallover:**
 - Up-Server interval: 10 seconds [6..]
 - Down-Server interval: 10 seconds [6..]
 - Success count: 5 [1..]
 - Failure count: 5 [1..]
 - DNS Supervision: 60 seconds [10..]
- Observed Domains:** (Empty list)



Transport Interfaces - Context GWSIP ↻ - 🔍 ✕

ifsip

— Binding —

None

IP Interface >

IP Interface	LAN	▼	
IP Address	LAN	▼	

— Transport Protocol —

Enable UDP/TCP

Port UDP/TCP	5060	↕	[1..65535] i
--------------	------	---	---

Enable TLS

Port TLS	5061	↕	[1..65535] i
----------	------	---	---

— Public NAT Address Spoofing —

All 3 items may either be configured separately or together. The explicit via-header and contact-header spoofing configuration has precedence over the nat-address spoofing configuration.

Enable public NAT address spoofing used in SIP requests i

Port	<input checked="" type="radio"/> Use the signaling port taken from SIP gateway <input type="radio"/> Static port	5060	↕
Public NAT Address	<input checked="" type="radio"/> Auto detect <input type="radio"/> Static IP address		

Enable public via-header spoofing used in SIP/SDP requests

Port	<input checked="" type="radio"/> Use the signaling port taken from SIP gateway <input type="radio"/> Static port	5060	↕
Public NAT Address	<input checked="" type="radio"/> Auto detect <input type="radio"/> Static host name		

Enable public contact-header spoofing used in SIP/SDP requests

Port	<input checked="" type="radio"/> Use the signaling port taken from SIP gateway		
------	--	--	--

+ -
GWSIP >

5.5 Location Service

Location Services - Domains

Match any domain

Host	Port
prd.cnam.apixit.fr	0
55.230.5.129	0

Location Services - Identities

Name	Group	Display	Phone Context	User
4444	DEFAULT			

Location Services - Identity Groups

Name	Group	Display	Phone Context	User
DEFAULT	none			

5.6 Telephony / Routing Tables – Context SWITCH

Routing Tables - Context SWITCH (RT_TO_FXS)

Match called-e164	Call Destination Type	Call Destination Name	Function Name
4444	dest-interface	IF_FXS_00	

Routing Tables - Context SWITCH (RT_TO_SIP)

Match called-e164	Call Destination Type	Call Destination Name	Function Name
.T	dest-interface	IF_SIP	

6 Backup / Wizard

The screenshot displays the Configuration Wizard (Version 1.7) interface. On the left is a navigation menu with options: System, Management, Network, Routing, Telephony, SIP, FXS, FXO, VPN, Wizard, Save Config, and Reboot. The main area shows a wizard selection screen with the following options:

- HTTPS Provisioning: Authentication Credential Settings**
Initial provisioning credentials for provisioning server authentication. The device is reset to the factory default settings. No action is taken when communication to provisioning server is not possible.
- Add new Wizard...**
Select a local wizard file and upload to device

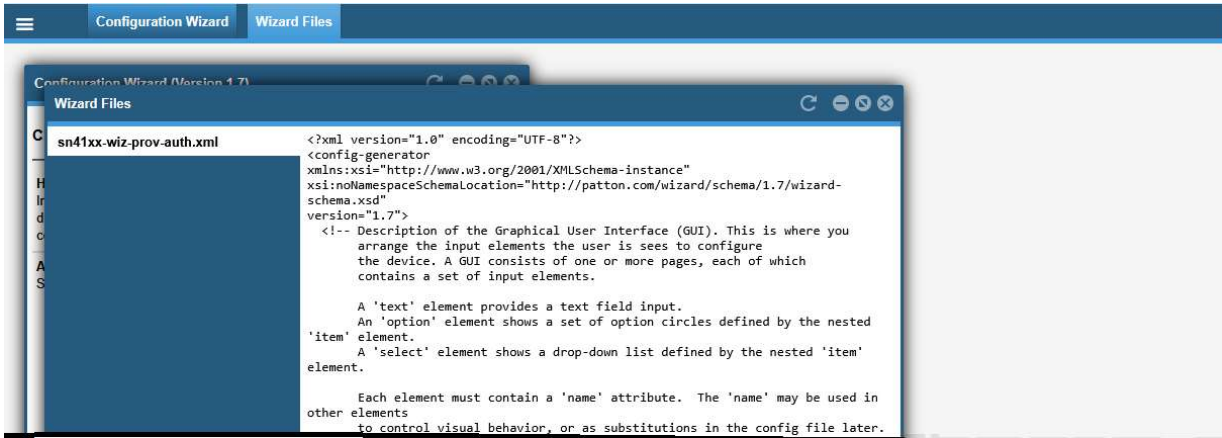
A red arrow points from the "Add new Wizard..." option to a "Wizard Files" window. This window shows a file named "sn41xx-wiz-prov-auth.xml" with the following XML content:

```
<?xml version="1.0" encoding="UTF-8"?>
<config-generator
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://patton.com/wizard/schema/1.7/wizard-
schema.xsd"
version="1.7">
  <!-- Description of the Graphical User Interface (GUI). This is where you
  arrange the input elements the user is sees to configure
  the device. A GUI consists of one or more pages, each of which
  </--
  <!-- Description of the provisioning server authentication. The device is
  reset to the factory default settings.
  No action is taken when communication to provisioning server is not
  possible. -->
</config-generator>
```

The "Wizard Files" window also has "Backup" and "Download" buttons. A second red arrow points from the "Add new Wizard..." option to a "Provisioning Setup" window. This window shows a "Credentials" section with the following fields:

- User Name: _____
- Password: _____
- Retype Password: _____
- Realm: _____

At the bottom of the "Provisioning Setup" window are buttons for "Back", "Preview", and "Apply & Reboot".

Configuration Wizard (Version 1.7)

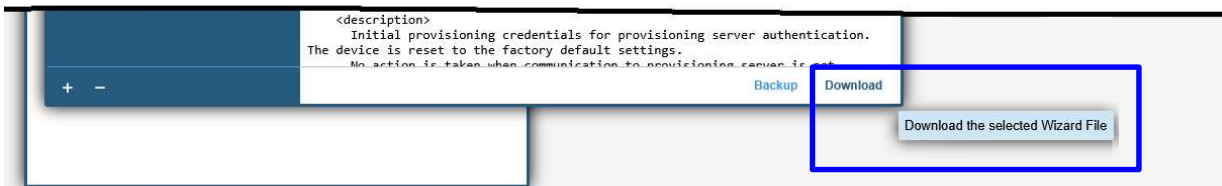
Wizard Files

sn41xx-wiz-prov-auth.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<config-generator
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://patton.com/wizard/schema/1.7/wizard-
schema.xsd"
version="1.7">
  <!-- Description of the Graphical User Interface (GUI). This is where you
arrange the input elements the user is sees to configure
the device. A GUI consists of one or more pages, each of which
contains a set of input elements.

  A 'text' element provides a text field input.
  An 'option' element shows a set of option circles defined by the nested
'item' element.
  A 'select' element shows a drop-down list defined by the nested 'item'
element.

  Each element must contain a 'name' attribute. The 'name' may be used in
other elements
to control visual behavior, or as substitutions in the config file later.
-->
```



<description>
Initial provisioning credentials for provisioning server authentication.
The device is reset to the factory default settings.
No action is taken when communication to provisioning server is not
successful.

Backup Download

Download the selected Wizard File

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<config-generator xsi:noNamespaceSchemaLocation="http://patton.com/wizard/schema/1.7/wizard-schema.xsd" version="1.7">
  <!--
    Description of the Graphical User Interface (GUI). This is where you
    arrange the input elements the user is sees to configure
    the device. A GUI consists of one or more pages, each of which
    contains a set of input elements.

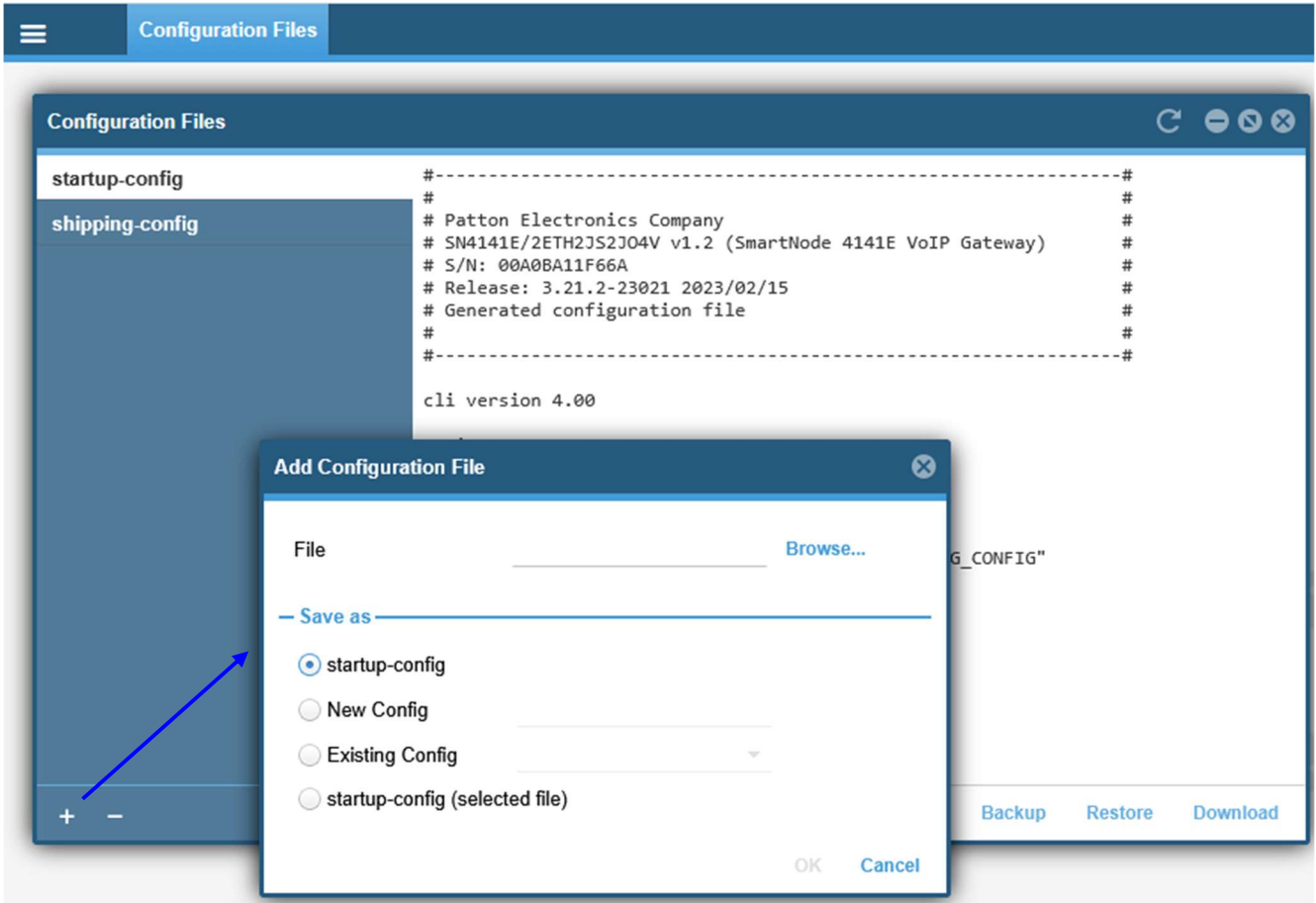
    A 'text' element provides a text field input.
    An 'option' element shows a set of option circles defined by the nested 'item' element.
    A 'select' element shows a drop-down list defined by the nested 'item' element.

    Each element must contain a 'name' attribute. The 'name' may be used in other elements
    to control visual behavior, or as substitutions in the config file later.
  -->
  <!-- Information displayed in the template selector -->
  <gui>
    <title>
      HTTPS Provisioning: Authentication Credential Settings
    </title>
    <description>
      Initial provisioning credentials for provisioning server authentication. The device is reset to the factory default settings. No action is taken when communication to provi:
    </description>
    <!--
      The reboot is after the provisioning config, not just after executing the wizard
    -->
    <reboot>false</reboot>
    <!-- ApplyButton text -->
    <action-label>Apply & Reboot</action-label>
    <action-tip>Apply the configuration and reboot the device</action-tip>
    <!-- This GUI has a single page only -->
  </gui>
  <!-- Page information -->
  <page>
    <title>Provisioning Setup</title>
    <group label="Credentials">
      <text name="provUsername" label="User Name" required="true"/>
      <password name="provPassword" label="Password" required="true"/>
      <text name="provRealm" label="Realm" tip="OPTIONAL: Define realm of the authentication domain. If not specified, these credentials are used for any realm."/>
    </group>
  </page>
</config-generator>
```



```
\\neptune\Produits\Notice\Negoce\Patton\SmartNode\SN4141\Backup_Wizard\sn41xx-wiz-prov-auth_DEFAULT.xml - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
sn41xx-wiz-prov-auth_DEFAULT.xml
56     product name as wildcard, e.g SN49. If two configs match for a given prod
57     SN49 and SN4970, the one that matches better (SN4970) is used. The same '
58     attributes may be used in the 'var' elements above.
59     -->
60     <config cli-version="4.0" product="SN41" file="startup-config">
61     snmp shutdown
62
63     actions
64
65     rule PROV_STARTUP
66     condition ip address:WAN.DHCP LINKUP initial
67     condition system ntp TIME_INITIALIZED
68     action 1 "provisioning execute PF_PROVISIONING_CONFIG"
69
70     profile aaa DEFAULT
71     method 1 local rule required
72     method 2 none rule required
73
74     console
75     use profile aaa DEFAULT
76
77     telnet-server
78     use profile aaa DEFAULT
79     no shutdown
80
81     ssh-server
82     use profile aaa DEFAULT
83     no shutdown
84
85
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184
185
186
eXtensible Markup L length : 7,580 lines : 186 Ln : 113 Col : 21 Pos : 5,302 Windows (CR LF) UTF-8 INS
```

6.1 Add Backup file (Example)

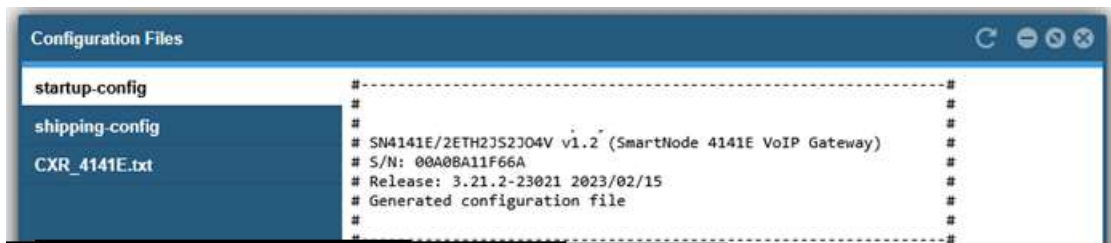


The screenshot shows the 'Configuration Files' window with a modal dialog titled 'Add Configuration File'. The dialog contains the following elements:

- File:** A text input field followed by a 'Browse...' button.
- Save as:** A section with four radio button options:
 - startup-config
 - New Config
 - Existing Config
 - startup-config (selected file)
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right.

The background window shows a list of configuration files: 'startup-config', 'shipping-config', and 'CXR_4141E.txt'. The content of 'shipping-config' is visible in the main pane:

```
#-----#
#
# Patton Electronics Company
# SN4141E/2ETH2JS2J04V v1.2 (SmartNode 4141E VoIP Gateway)
# S/N: 00A0BA11F66A
# Release: 3.21.2-23021 2023/02/15
# Generated configuration file
#-----#
cli version 4.00
```



This screenshot shows the 'Configuration Files' window after the backup file has been added. The file list now includes 'startup-config', 'shipping-config', and 'CXR_4141E.txt'. The content of 'shipping-config' is visible in the main pane:

```
#-----#
#
# SN4141E/2ETH2JS2J04V v1.2 (SmartNode 4141E VoIP Gateway)
# S/N: 00A0BA11F66A
# Release: 3.21.2-23021 2023/02/15
# Generated configuration file
#-----#
```



The screenshot shows a 'Restore Configuration File' dialog box with the following content:

- Message:** "Are you sure you want to overwrite the startup-config with this config?"
- Source File:** CXR_4141E.txt
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right.