

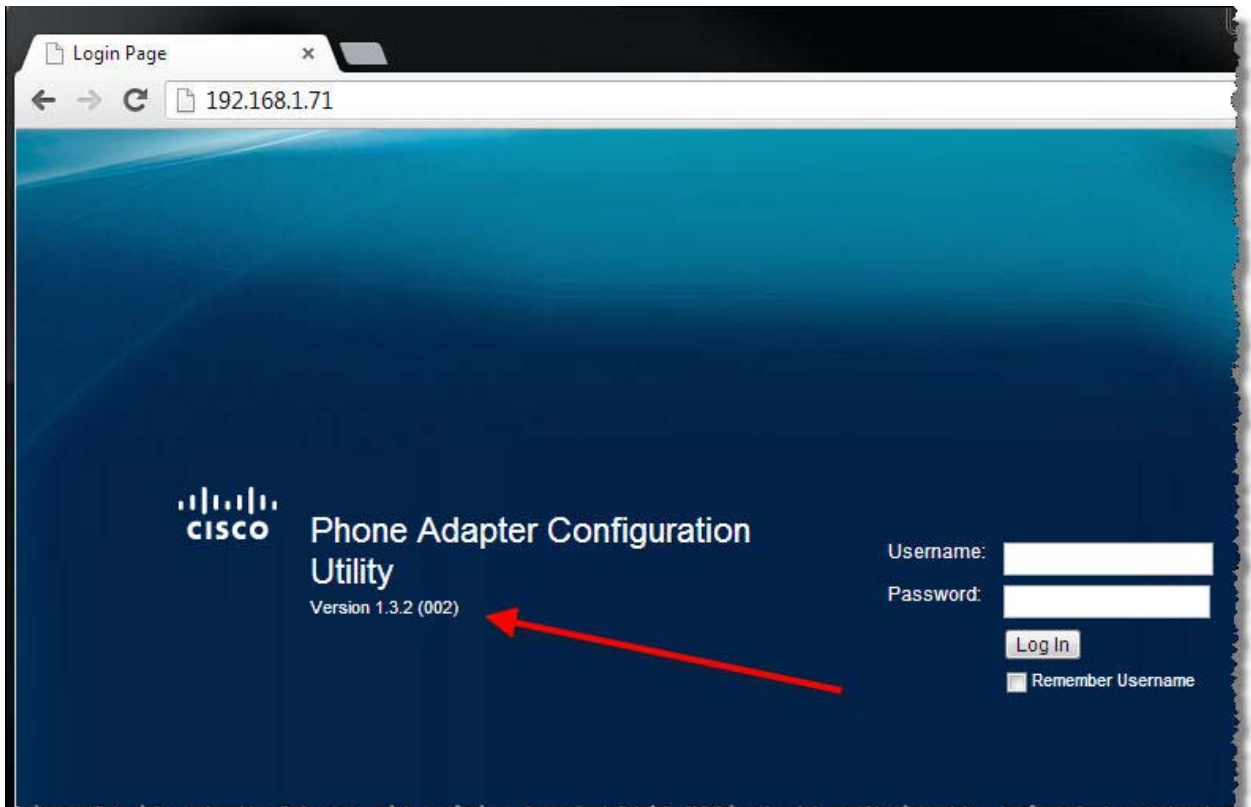


Determining SPA1xx / SPA232D ATA Firmware Version

At some point in time, you're going to want to know the version of firmware running on your SPA112, SPA122, or SPA232D ATA. Here are some ways to accomplish this:

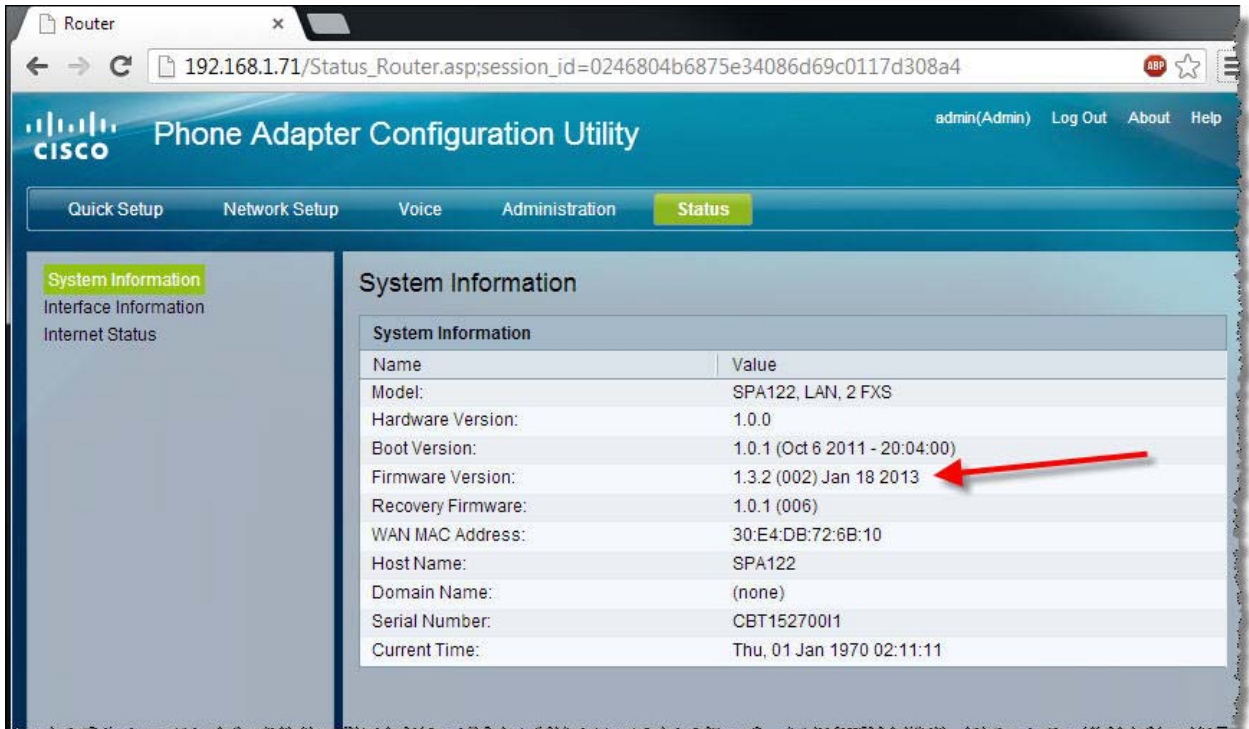
Using the Web-User Interface

<http://ataIPaddress>



Viewing the Status Page

<http://ataIPaddress> > log in > Status tab > System Information

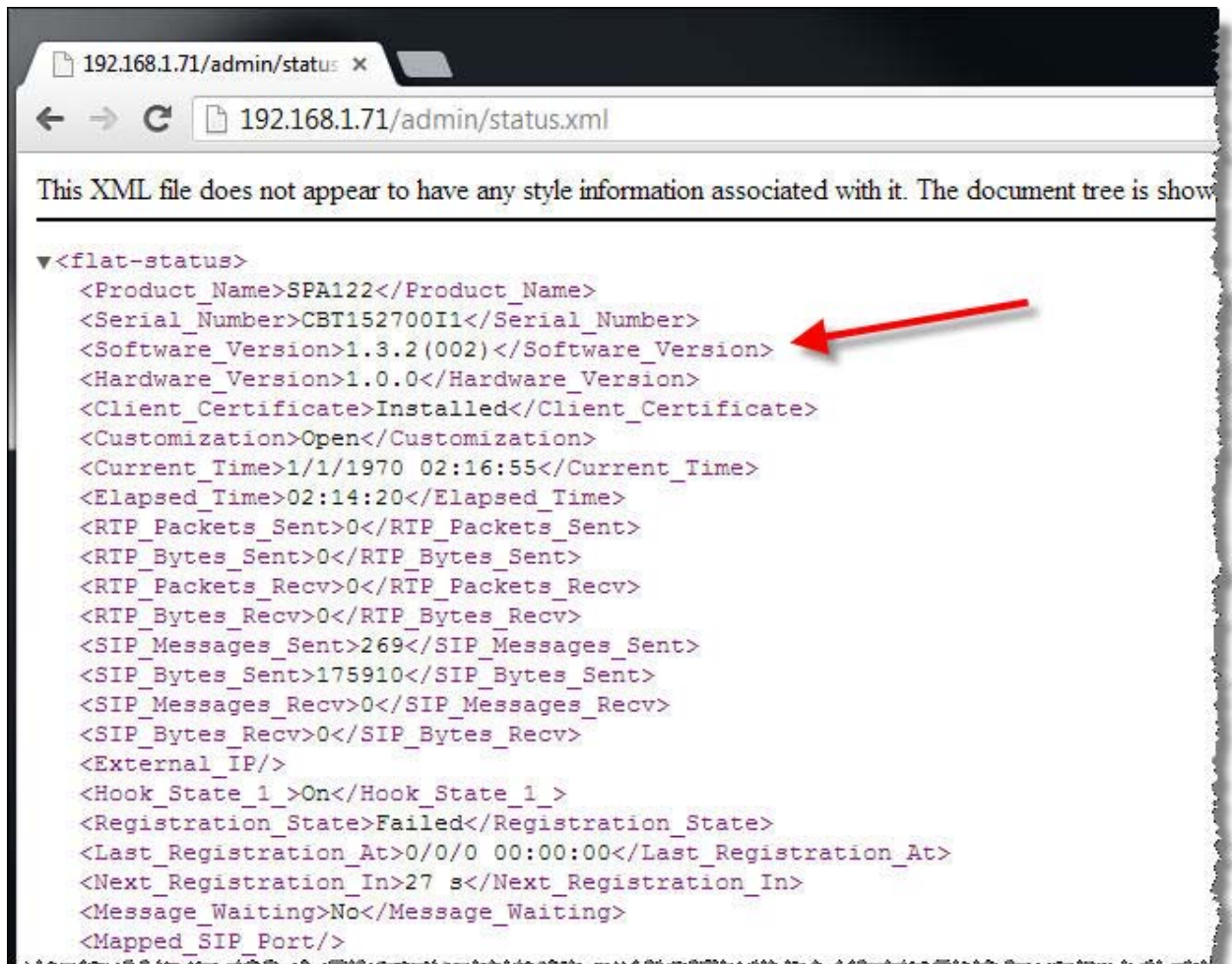


The screenshot shows the Cisco Phone Adapter Configuration Utility web interface. The browser address bar displays the URL `192.168.1.71/Status_Router.asp;session_id=0246804b6875e34086d69c0117d308a4`. The page title is "Phone Adapter Configuration Utility" and the user is logged in as "admin(Admin)". The "Status" tab is selected in the navigation menu. On the left sidebar, "System Information" is highlighted. The main content area displays a table of system information with a red arrow pointing to the "Firmware Version" row.

Name	Value
Model:	SPA122, LAN, 2 FXS
Hardware Version:	1.0.0
Boot Version:	1.0.1 (Oct 6 2011 - 20:04:00)
Firmware Version:	1.3.2 (002) Jan 18 2013
Recovery Firmware:	1.0.1 (006)
WAN MAC Address:	30:E4:DB:72:6B:10
Host Name:	SPA122
Domain Name:	(none)
Serial Number:	CBT152700I1
Current Time:	Thu, 01 Jan 1970 02:11:11

Viewing the status.xml Output

<http://ataIPaddress/admin/status.xml>

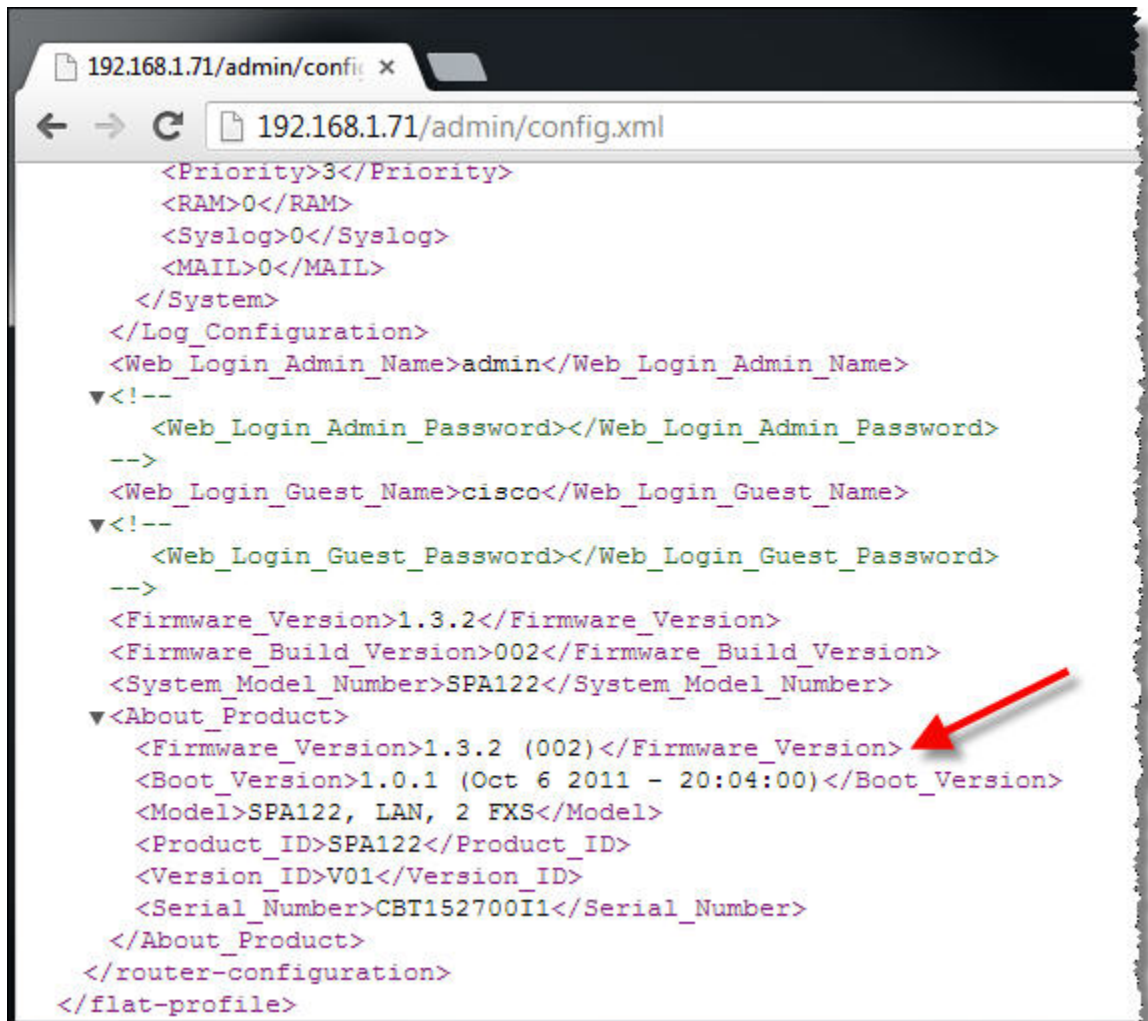


This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<flat-status>
  <Product_Name>SPA122</Product_Name>
  <Serial_Number>CBT152700I1</Serial_Number>
  <Software_Version>1.3.2 (002)</Software_Version>
  <Hardware_Version>1.0.0</Hardware_Version>
  <Client_Certificate>Installed</Client_Certificate>
  <Customization>Open</Customization>
  <Current_Time>1/1/1970 02:16:55</Current_Time>
  <Elapsed_Time>02:14:20</Elapsed_Time>
  <RTP_Packets_Sent>0</RTP_Packets_Sent>
  <RTP_Bytes_Sent>0</RTP_Bytes_Sent>
  <RTP_Packets_Recv>0</RTP_Packets_Recv>
  <RTP_Bytes_Recv>0</RTP_Bytes_Recv>
  <SIP_Messages_Sent>269</SIP_Messages_Sent>
  <SIP_Bytes_Sent>175910</SIP_Bytes_Sent>
  <SIP_Messages_Recv>0</SIP_Messages_Recv>
  <SIP_Bytes_Recv>0</SIP_Bytes_Recv>
  <External_IP/>
  <Hook_State_1_>On</Hook_State_1_>
  <Registration_State>Failed</Registration_State>
  <Last_Registration_At>0/0/0 00:00:00</Last_Registration_At>
  <Next_Registration_In>27 s</Next_Registration_In>
  <Message_Waiting>No</Message_Waiting>
  <Mapped_SIP_Port/>
```

Viewing the config.xml Output

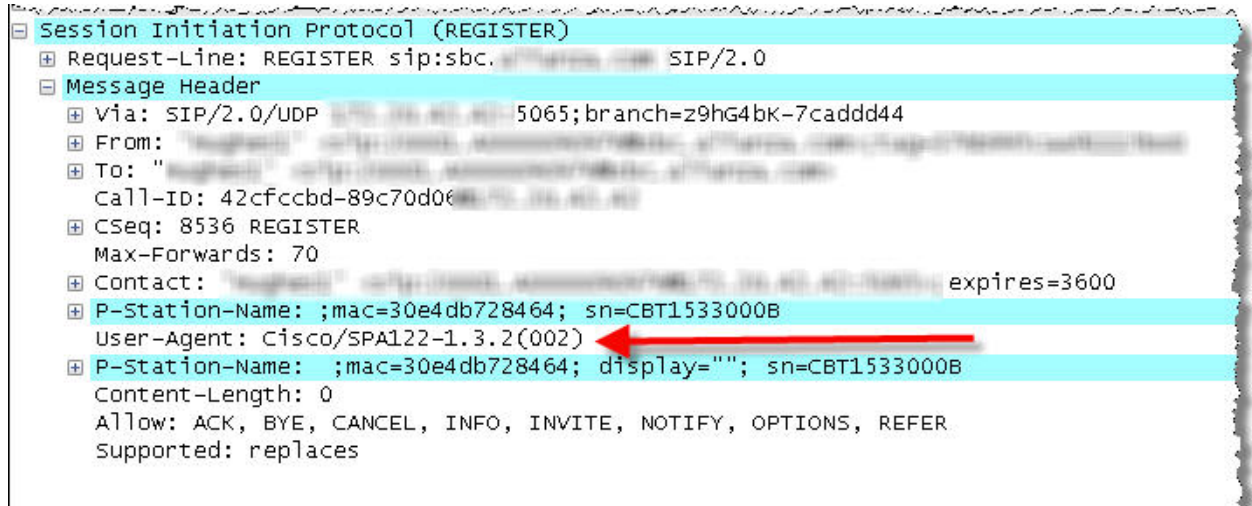
<http://ataAddress/admin/config.xml>



```
<Priority>3</Priority>
<RAM>0</RAM>
<Syslog>0</Syslog>
<MAIL>0</MAIL>
</System>
</Log_Configuration>
<Web_Login_Admin_Name>admin</Web_Login_Admin_Name>
▼<!--
  <Web_Login_Admin_Password></Web_Login_Admin_Password>
-->
<Web_Login_Guest_Name>cisco</Web_Login_Guest_Name>
▼<!--
  <Web_Login_Guest_Password></Web_Login_Guest_Password>
-->
<Firmware_Version>1.3.2</Firmware_Version>
<Firmware_Build_Version>002</Firmware_Build_Version>
<System_Model_Number>SPA122</System_Model_Number>
▼<About_Product>
  <Firmware_Version>1.3.2 (002)</Firmware_Version>
  <Boot_Version>1.0.1 (Oct 6 2011 - 20:04:00)</Boot_Version>
  <Model>SPA122, LAN, 2 FXS</Model>
  <Product_ID>SPA122</Product_ID>
  <Version_ID>V01</Version_ID>
  <Serial_Number>CBT152700I1</Serial_Number>
</About_Product>
</router-configuration>
</flat-profile>
```

Viewing User-Agent in a SIP REGISTER

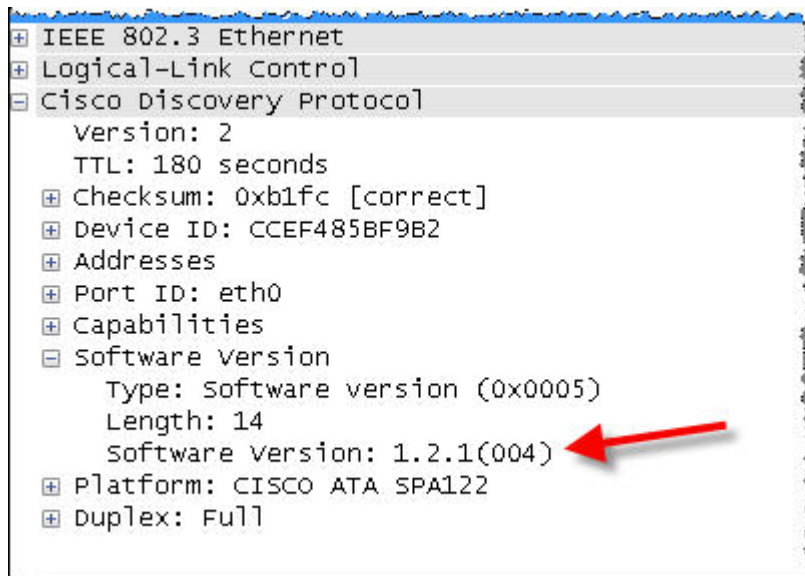
Use Wireshark to view the User-Agent information in a SIP REGISTER request
[information intentionally obscured]



```
Session Initiation Protocol (REGISTER)
  Request-Line: REGISTER sip:sbc.
  Message Header
    Via: SIP/2.0/UDP
    From:
    To:
    Call-ID: 42cfccbd-89c70d06
    CSeq: 8536 REGISTER
    Max-Forwards: 70
    Contact: expires=3600
    P-Station-Name: ;mac=30e4db728464; sn=CBT1533000B
    User-Agent: Cisco/SPA122-1.3.2(002)
    P-Station-Name: ;mac=30e4db728464; display=""; sn=CBT1533000B
    Content-Length: 0
    Allow: ACK, BYE, CANCEL, INFO, INVITE, NOTIFY, OPTIONS, REFER
    Supported: replaces
```

Viewing Software Version in a Cisco Discovery Protocol (CDP) Packet Frame

Use Wireshark to view the Software version information in a CDP packet frame
Note: this is from an older trace where the ATA had 1.2.1(004) installed



```
IEEE 802.3 Ethernet
Logical-Link Control
Cisco Discovery Protocol
  Version: 2
  TTL: 180 seconds
  Checksum: 0xb1fc [correct]
  Device ID: CCEF485BF9B2
  Addresses
  Port ID: eth0
  Capabilities
  Software Version
    Type: Software version (0x0005)
    Length: 14
    Software Version: 1.2.1(004)
  Platform: CISCO ATA SPA122
  Duplex: Full
```

Using the Interactive Voice Response (IVR) Feature of the ATA

Connect an analog phone to PHONE 1 port

1. dial **** even though no dial tone is heard
2. dial 150 when IVR is heard
3. version number is announced