

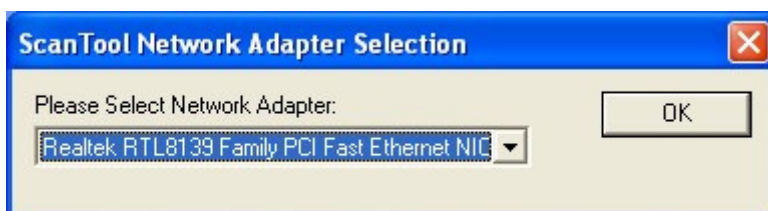
1. In order to load an image file to your AP/MP.11 unit you must use TFTP file transfer to do so. This is especially true when an AP or MP.11/ QB.11 unit is in “Boot Loader” mode. Boot Load mode is indicated by a single Red LED as demonstrated by the following image of an AP-600 or MP.11/ QB. 11 indoor unit.



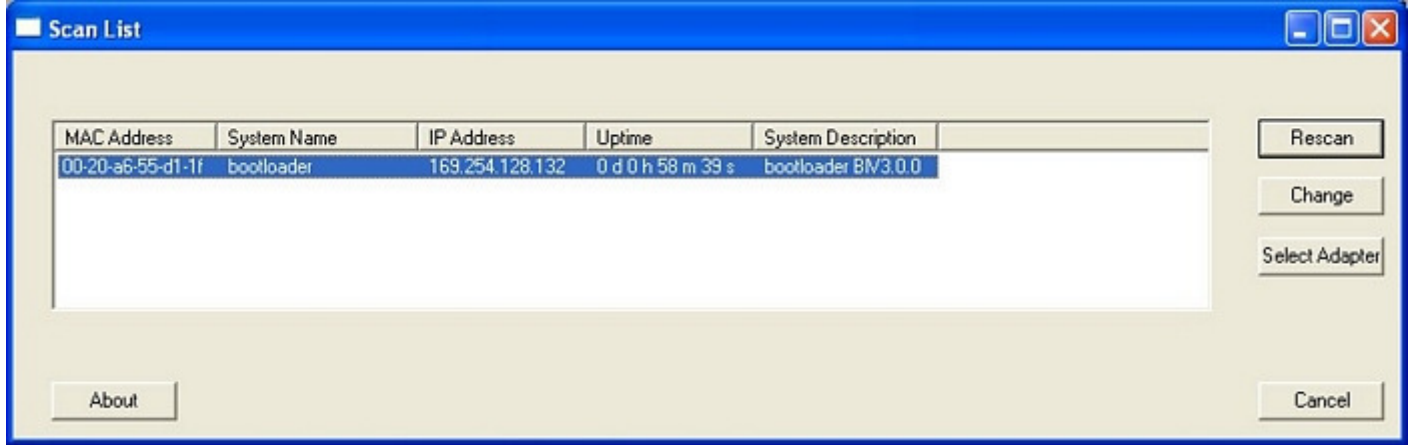
2. Boot Loader mode means your units image is either been corrupted or manually erased. The procedure to put a unit in Boot Loader mode is described in your products manual. This document is intended to walk you through the steps of setting up a SolarWinds TFTP server to upload your image file. If you have not installed the SolarWinds TFTP software, then you may locate a copy from the Extras folder in the Proxim software included with your product or by clicking [here](#), Answer ID 1376.

Once all the files have been downloaded you will need to connect to your unit using a cross over cable if connected directly to your PC or a straight pin (patch) cable if going through a switch. Once you have connected your device under test (DUT) you need to discover it using ScanTool. If you do not have ScanTool installed on your system (a copy is automatically installed after installing the software that came with your product), then please click [here](#), Answer ID 1735.

When you first run Scan tool, you will first need to select the network adapter your PC is using to connect to the DUT.

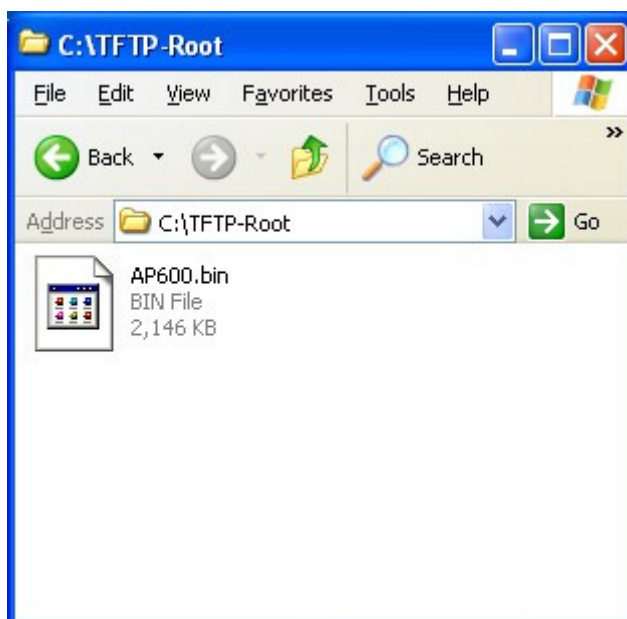


3. After you have selected your adapter click **OK**. This will scan and discover any Proxim AP or MP.11 product and display it regardless of IP or Subnet.

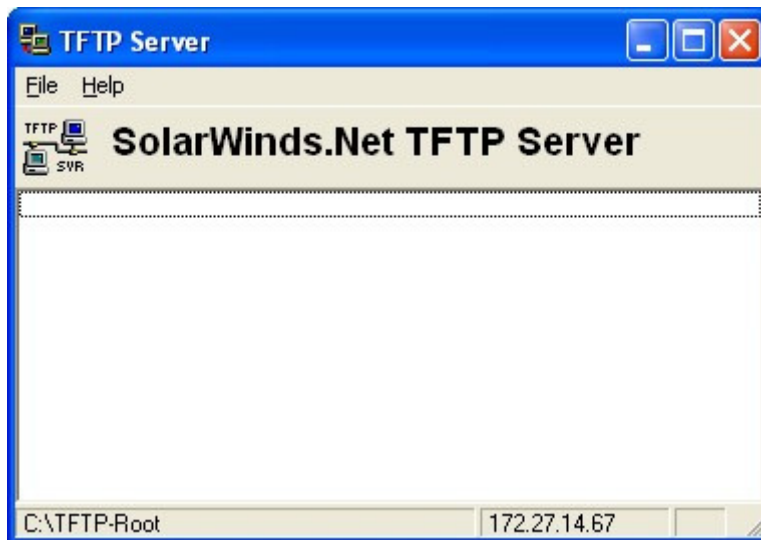


4. If you take a look at the figure above you will see the System Name is **bootloader** and the IP address is **169.254.128.132**. This is the default IP address of any AP or MP.11/ QB.11 that is set to Boot Loader mode. At this point, you should leave this window open in the background. You will return to this window once you have configured your TFTP application

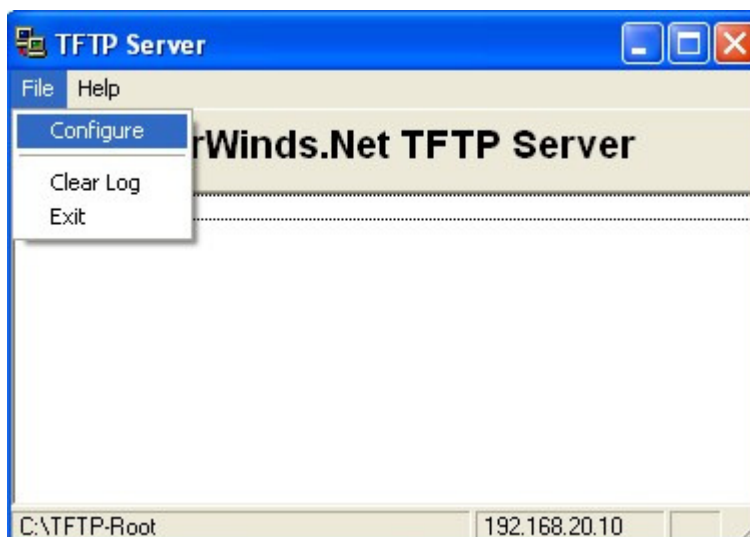
Next you will need to open the TFTP software. It is important to note that you should have already at this point downloaded image file you plan on uploading to your DUT. You must make sure you have saved the **.bin** image file in the root directory of your TFTP server. In SolarWinds case, this is located in **C:\TFTP-ROOT**.



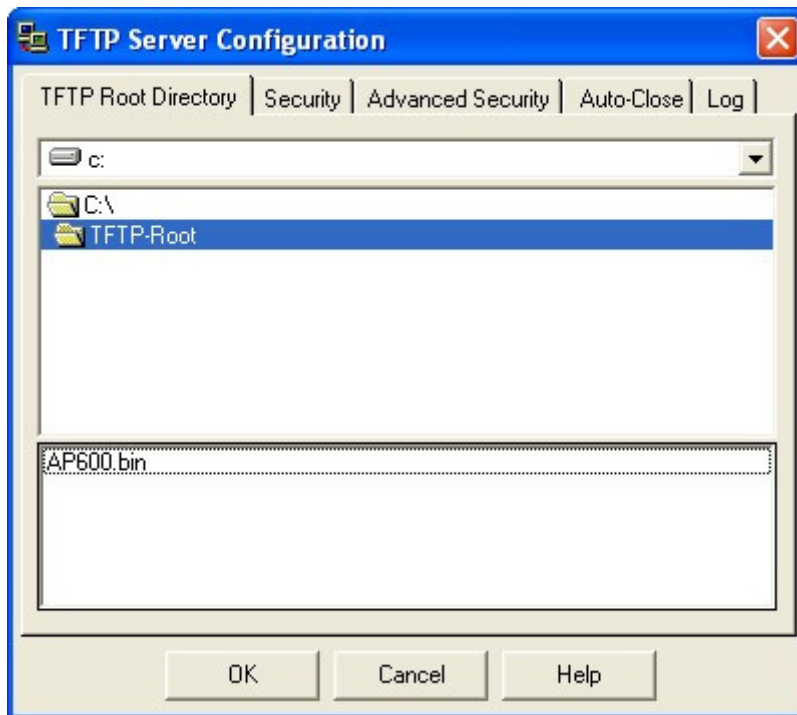
5. Once you have confirmed the file is located in the appropriate directory you must configure your TFTP server to talk to you AP or MP.11/ QB.11 unit. When you first run your TFTP application, you will start with the following screen:



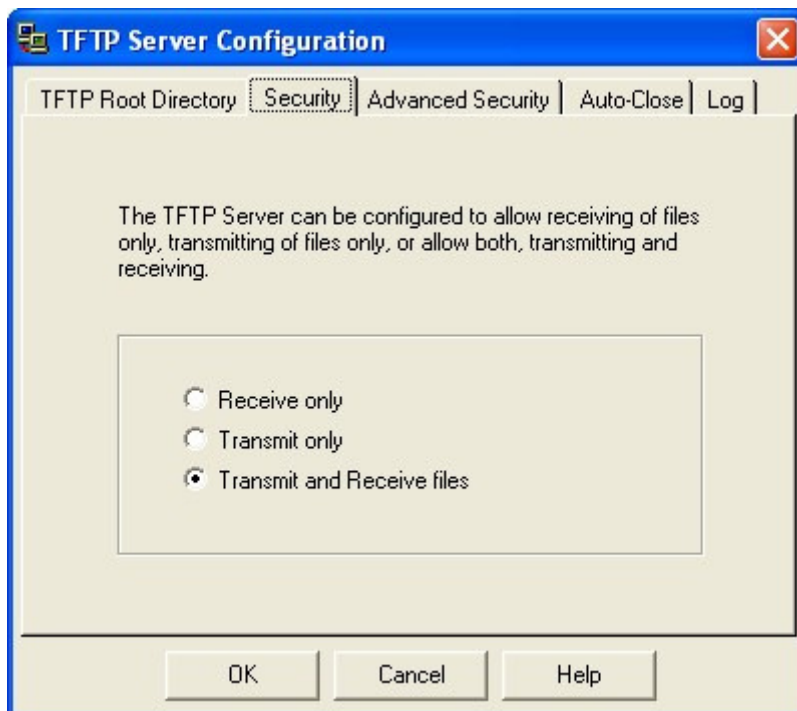
6. From this screen, please select **File** → **Configure** from the **Menu**



7. After selecting configure the window below will appear. From this window you need to confirm that your image file appears in the bottom portion of the window. Once you select the file you want uploaded click **OK**.

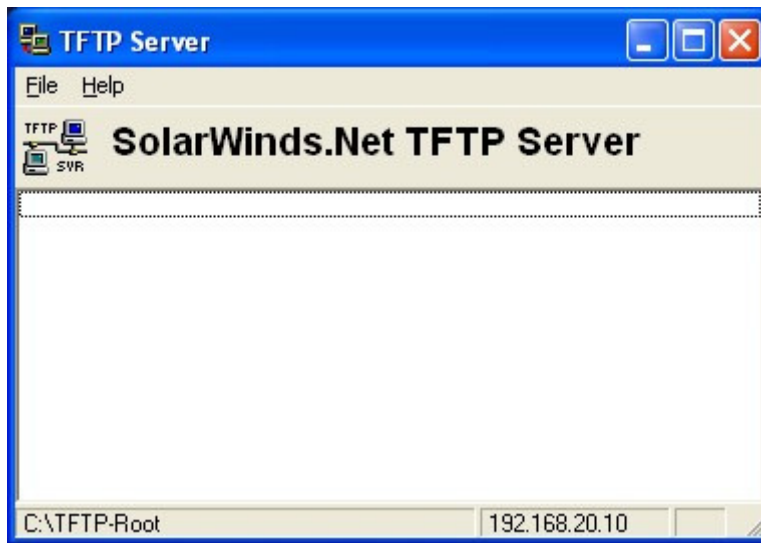


8. Next, click on the security tab and select the **Transmit and Receive Files** radio button and select **OK**.

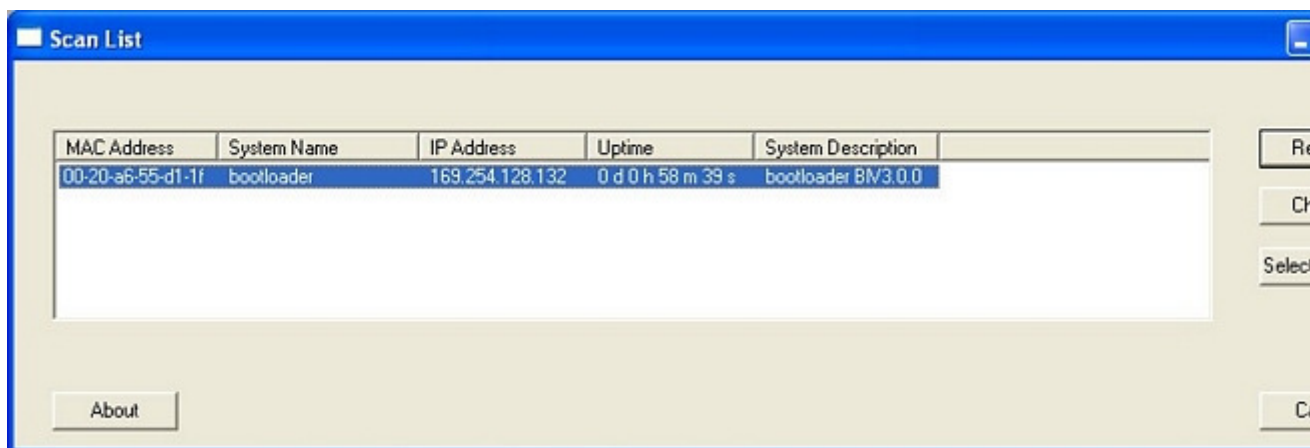


9. After selecting **OK** the window below will appear once again. This is your status window. This window will show the status of the upload once it is activated. At this

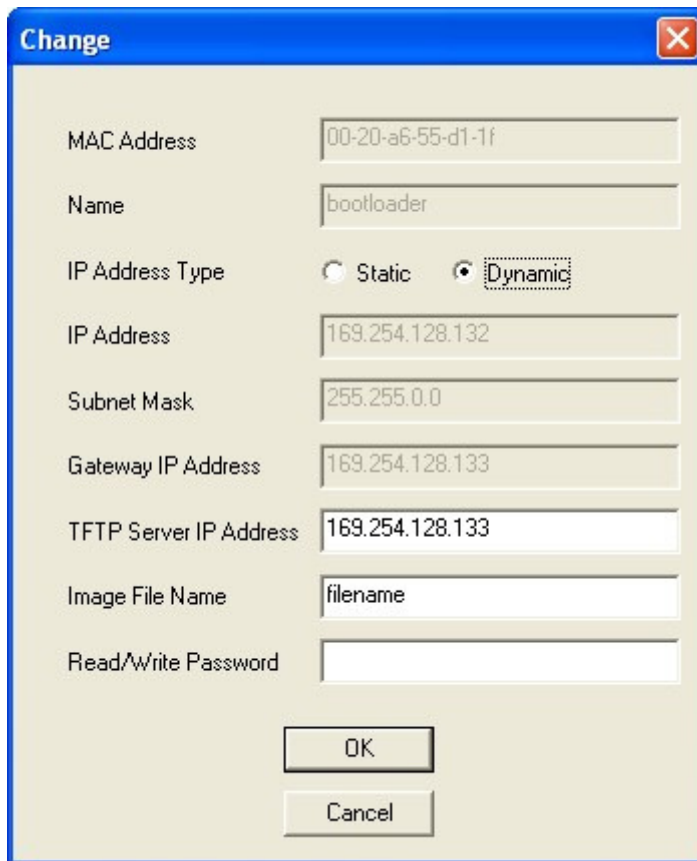
point you should just see a blank screen. Note the bottom of this window shows the IP address of your PC/ TFTP server. In this example the IP address of the server is **192.168.20.10**.



10. Now that you have your TFTP server running, you need to return to your ScanTool window from before.



11. Select the device that you want to change from the list. Next, select the **Change** button on the right. The following window will appear:



A screenshot of a 'Change' dialog box with a blue title bar and a close button. The dialog contains several input fields and radio buttons. The 'IP Address Type' section has two radio buttons: 'Static' and 'Dynamic'. The 'Dynamic' radio button is selected, and its label is highlighted with a dashed border. The 'IP Address' field is grayed out. The 'Static' radio button is unselected. The other fields are active and contain text.

Field	Value
MAC Address	00-20-a6-55-d1-1f
Name	bootloader
IP Address Type	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic
IP Address	169.254.128.132
Subnet Mask	255.255.0.0
Gateway IP Address	169.254.128.133
TFTP Server IP Address	169.254.128.133
Image File Name	filename
Read/Write Password	

OK

Cancel

12. You will notice that the IP address of the unit is grayed out. This is because the unit is currently set up for **DHCP**. Press the **Static** radio button and the IP address will become available.

Change

MAC Address: 00-20-a6-55-d1-1f

Name: bootloader

IP Address Type: ☒ Static ☐ Dynamic

IP Address: 169.254.128.132

Subnet Mask: 255.255.0.0

Gateway IP Address: 169.254.128.133

TFTP Server IP Address: 169.254.128.133

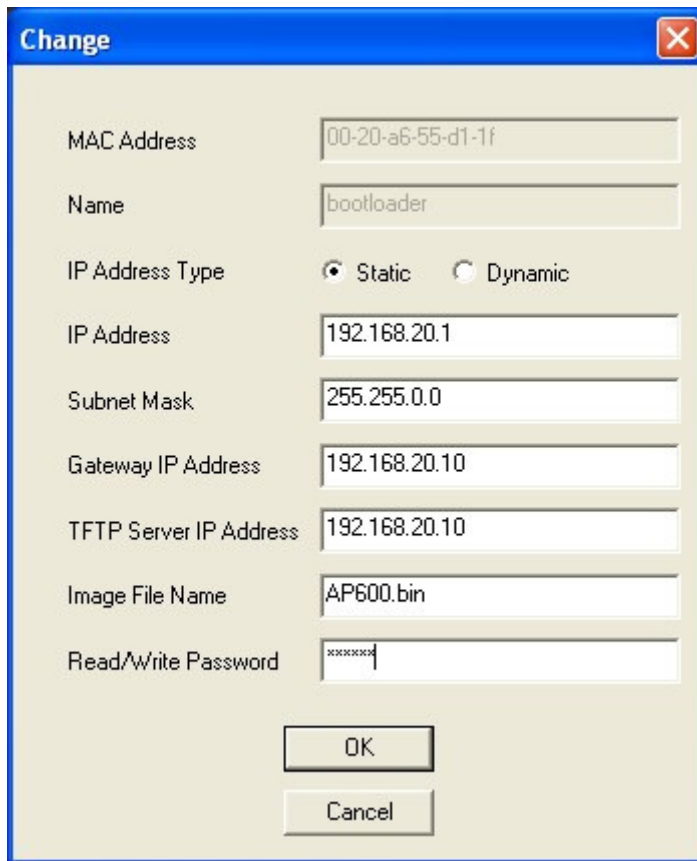
Image File Name: filename

Read/Write Password:

OK Cancel

- At this stage you can now change the IP address of the DUT. For example: My PCs current IP address is **192.168.20.10** with a **255.255.0.0** IP address. I will change the IP address of my DUT to **192.168.20.1** by deleting the current IP address and replacing it with the desired IP address and subnet. For upload purposes only use the IP address of your PC as the Gateway address. The TFTP server address will be the IP address of the PC which you set up the TFTP server in the prior steps.

Note: the image file name must be identical to that of the file saved in the TFTP root directory including the .bin extension and the read/write password is **public** by default.



A dialog box titled "Change" with a blue header bar and a red close button. It contains several input fields and radio buttons for configuring a device. The fields are: MAC Address (00-20-a6-55-d1-1f), Name (bootloader), IP Address Type (Static selected, Dynamic unselected), IP Address (192.168.20.1), Subnet Mask (255.255.0.0), Gateway IP Address (192.168.20.10), TFTP Server IP Address (192.168.20.10), Image File Name (AP600.bin), and Read/Write Password (xxxxxxxx). At the bottom are OK and Cancel buttons.

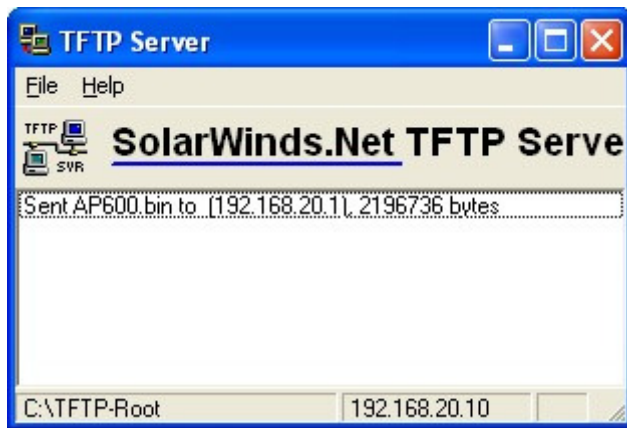
MAC Address	00-20-a6-55-d1-1f
Name	bootloader
IP Address Type	<input checked="" type="radio"/> Static <input type="radio"/> Dynamic
IP Address	192.168.20.1
Subnet Mask	255.255.0.0
Gateway IP Address	192.168.20.10
TFTP Server IP Address	192.168.20.10
Image File Name	AP600.bin
Read/Write Password	xxxxxxxx

OK Cancel

14. Once you have filled out the information above in its entirety, click the **OK** button. If all the parameters were set properly, the following window will appear:



15. During the upload process the LED status on your unit should vary and you should see the upload status on your TFTP server window. When complete, you should see the following on the TFTP status as well as two green LEDs on your unit.



16. This concludes the image update procedure using SolarWinds TFTP server application and the ScanTool Utility, and your unit should now be operational.

Notice: In some rare cases, you will notice that a unit that used to be a BSU or SU is now an SU with limited features. If this is the condition of your current unit, please refer to Answer ID [43](#) for information on how to restore the feature set to your current radio.