

Remote Management

How to Manage MobileBridge Remotely

In the CD coming together with MobileBridge, there is a management tool named as Scan Tools. This tool can be used to manage MobileBridge locally. But in many application scenarios, there is requirement on the remote management of MobileBridge. The Web Management Interface embedded in the MobileBridge can enable the administrator to do so.

During the configuration of MobileBridge, you may be required to input an IP address for Remote Management. MobileBridge will send a message to this predefined IP address each time when it boots up. The message contains the IP address of MobileBridge Wireless WAN port, for example: 220.207.81.86. Open you internet browser such as IE and type the MobileBridge IP address into the address bar (http:// 220.207.81.86), you will enter into the Web Management Page of MobileBridge as below:

System Status:

System Status	
Local IP Address:	172.16.0.1
Local IP Mask:	255.255.0.0
Wireless WAN IP Address:	220.207.81.86
System Description:	MB-8000 v2.02 (00003) SN-MB04TG010226
WLAN Card States:	Existence
WLAN Card Style:	Intersil wireless card
Wireless Internet Card States:	CDMA
Wireless Internet Card Style:	Sierra Air Card 555
Cable LAN States:	100M full
WLAN Name(SSID):	mbnet
UpTime:	0 days, 1:11:04 (hr:min:sec)

Wizard >>

Customize <<

Show wireless internet card signal strength:

Refresh

Strength:
excellent

System Logs:

System logs is the asynchronous information, used by agent to report some important events to the network management station. Each log identifies a specific severity level.

System Logs			
Index	Description	Severity	Time Stamp
1	Cold started	Informational	00 days 00:00:00
2	Link up	Informational	00 days 00:00:01
3	Link up	Informational	00 days 00:01:55
4	modem: command = ATZ	Informational	00 days 00:01:55

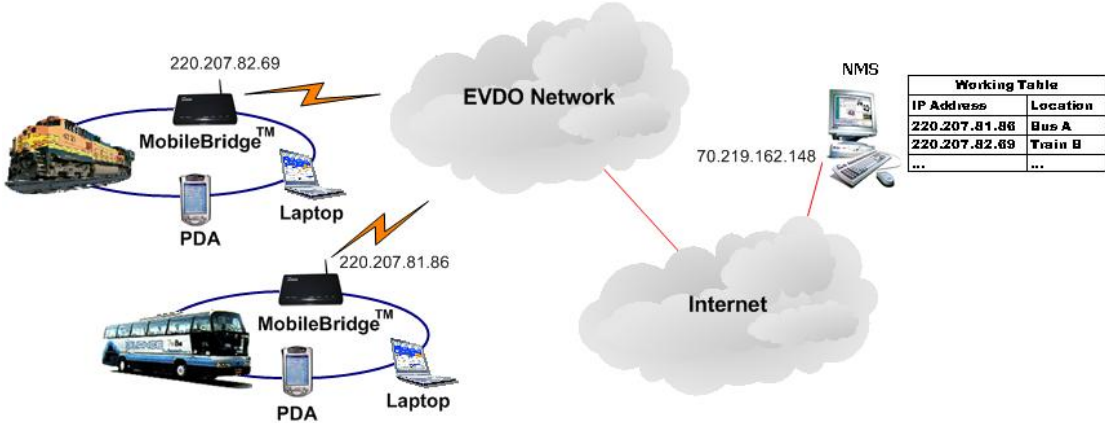
You can see the MobileBridge Wireless WAN port IP address in the red ellipse.

Convenience Management Method

This remotely management method makes it possible for the administrator to maintain multiple MobileBridge widely spread in a big area even among world wide.

Let's think about the example of a Mobile Hot Spot Operator. This company operates a Mobile Hot Spot system among the country using MobileBridge. Hundreds of MobileBridge are installed in Train, Bus, Ship and Taxi. The administrator wants to know if one MobileBridge installed in a bus works well or not. What can he do?

First, he needs to check the working table maintained by the management center. He finds the MobileBridge located in the Bus A has the IP address of 220.207.81.86. Then he opens his IE in the management computer, type `http:// 220.207.81.86` in the address bar.



After input the right username and password, he enters into the web management interface of MobileBridge. He reads carefully the following Syslog and knows the MobileBridge has run for more than 4 days.


194	Lcp Open	Informational	04 days 07:00:00
195	Lcp UP	Informational	04 days 07:00:09
196	pppLcpUp	Major	04 days 07:00:09
197	local address is 70.219.162.148 remote Addr is 66.174.209.5	Minor	04 days 07:00:09
198	Primary DNS address is 66.174.3.7 Secondary DNS Addr is 66.174.6.7	Minor	04 days 07:00:09
199	Opened PPP connection	Major	04 days 07:00:09
200	PPP_END: END Flags Changed	Minor	04 days 07:00:09

From the System status, he knows the WWAN signal is excellent. But he notices that the S/W version is 3.0(00009). He just got the latest version S/W v3.01 (00006). So he decides to upgrade the S/W remotely.

System Status:

System Status	
Local IP Address:	172.16.0.1
Local IP Mask:	255.255.0.0
Wireless WAN IP Address:	220.207.81.86
System Description:	MB8000 v3.0 (00009) SN-B05TG070036
WLAN Card States:	Existence
WLAN Card Style:	Intersil wireless card
Wireless Internet Card States:	EVDO
Wireless Internet Card Style:	Unknown Card
Cable LAN States:	10M full
WLAN Name (SSID):	MobileBridge
UpTime:	4 days, 7:47:25 (hr:min:sec) 4 days, 7:47:25 (hr:

Wizard >>
Customize <<

Show wireless internet card signal strength:

 Refresh
 Strength:
 good

He runs a TFTP server software in his computer and put the new MobileBridge software in the working directory. Then he goes to the page Set up -> Tools -> Download & Upload:

TFTP Information

Server IP Address:
 File Name:
 File Type: Server Key Password:
 File Operation:

He changes the **Server IP Address** to 70.219.162.148. Then he presses **OK** button. Observing the TFTP server display he sees downloading activity begin after a few seconds.

After downloading file he goes to the page Set up -> Tools -> Reboot to reboot the MobileBridge.

Please enter the time (in seconds) to
reboot:

You can see the remote management feature can make the maintenance of MobileBridge very conveniently.