

Resolving network issues in Windows PE

In the windows PE rescue environment, you may find that you can't connect to your network attached disk or another computer containing your backup. If this is the case, please use the following troubleshooting steps to resolve this issue.

To use a network location as a backup target or a restore source please see [Accessing network shares in Windows PE](#)

1. Ensure your computer is connected via a network cable. **Wireless (Wifi) network connections are not supported in windows PE.**

Make a note of the name of the server (NAS device or computer) and share name you normally connect with.

In a command window type the following (replacing <servername> with your server name).

```
ping <servername>
```

The ip address will be reported in and the reply responses.

2. Boot into the rescue environment.
3. Select the Restore -> View unsupported devices option. Are there any unsupported Network interface controllers listed? If so, you can locate a driver for a temporary solution, or for a permanent fix, add a driver and rebuild your rescue CD.
See the following article for further information. [Adding device drivers to Windows PE](#)

4. If you are confident that you have drivers for all relevant network devices have matching drivers loaded, select the **Others tasks -> Network Config** menu option.

The screenshot shows a 'Network Configuration' window with a title bar containing a close button. The main heading is 'Specify Network Address Settings'. Below this is a note: 'Contact your network administrator if auto assignment (DHCP) is not supported'. A dropdown menu shows 'Microsoft Virtual Machine Bus Network Adapter'. Under 'Specify Network Address Settings', there are two radio buttons: 'Obtain an IP address automatically' (selected) and 'Use the following IP address'. A 'Renew' button is next to the first option. Below the radio buttons are three rows of IP address input fields: 'IP address:' with values 10, 3, 2, 82; 'Subnet mask:' with values 255, 0, 0, 0; and 'Gateway:' with values 10, 0, 0, 1. Under 'Specify DNS Settings', there are two radio buttons: 'Obtain a DNS server automatically' (selected) and 'Use the following DNS server address'. Below these are two rows of DNS server input fields: 'Preferred DNS server:' with values 10, 0, 0, 1; and 'Alternate DNS server:' with values 255, 255, 255, 255. At the bottom are three buttons: 'OK', 'Cancel', and 'Apply'.

Network Configuration

Specify Network Address Settings

Contact your network administrator if auto assignment (DHCP) is not supported

Microsoft Virtual Machine Bus Network Adapter

☒ Obtain an IP address automatically

☐ Use the following IP address

IP address: 10 . 3 . 2 . 82

Subnet mask: 255 . 0 . 0 . 0

Gateway: 10 . 0 . 0 . 1

Specify DNS Settings

☒ Obtain a DNS server automatically

☐ Use the following DNS server address

Preferred DNS server: 10 . 0 . 0 . 1

Alternate DNS server: 255 . 255 . 255 . 255

Is there at least one network adapter listed. If not, you need to reconsider step 3.

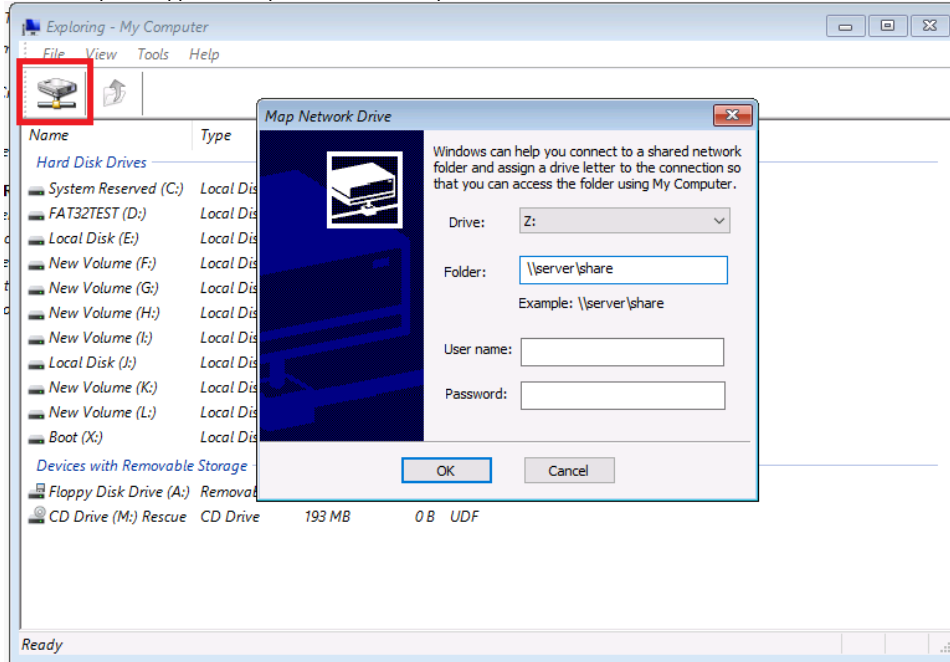
Do you have an ip address (other than 0.0.0.0)? If not, check your network cable, and then hit renew. Alternatively, if you don't have a DHCP server on your network then enter a valid ip address for your network. Hint all domestic routers and corporate networks have a DHCP server configured by default.

5. If you do have a valid IP address for your network, and you can still not browse to your network attached storage, confirm that you can map a drive.

To do this, start PE explorer (third icon from left on the taskbar).



The PE Explorer application opens. Click the 'Map Network Share' toolbar button:



You will need both the server name (or ip address) and the share name.

If this completes successfully, you will be able to access your network drive using the drive letter specified in the above dialog.