

Command reference

The following commands are supported by iPXE. Commands may be entered at the iPXE [command line](#) or used in a [script](#).

Boot commands	
autoboot	Boot system from network interface
Network interface commands	
ifstat	Display interfaces
ifopen	Open interfaces
ifclose	Close interfaces
ifconf or dhcp	Automatically configure interfaces
route	Display routing table
nstat	Display neighbour table
ipstat	Display IP statistics
vcreate	Create VLAN
vdestroy	Destroy VLAN
Image management commands	
imgstat	Display images
chain or imgexec or boot	Download and boot an executable image
imgfetch or module or initrd	Download an image
kernel or imgselect or imgload	Download and select an executable image
imgfree	Discard images
imgargs	Set image command-line arguments
imgtrust	Set image trust requirement
imgverify	Verify an image as trusted
SAN commands	
sanhook	Attach SAN device
sanboot	Boot from SAN device
sanunhook	Detach SAN device
fcstat	Display Fibre Channel ports
fcels	Issue Fibre Channel ELS request
Configuration setting commands	
config	Start interactive configuration tool
show	Display configuration setting
set	Set configuration setting
clear	Delete configuration setting
read	Prompt user to enter configuration setting
inc	Increment numeric value of configuration setting
login	Prompt user to enter user name and password

```
iPXE 1.0.0: -- Open Source Network Boot Firmware -- http://ipxe.org
Features: HTTP, DHCP, BOOT, and Image Cache. Copyright 2007-2010 Intel

iPXE> help

Available commands:
chain      exit      ifstat      goto      help
shell      autoboot  conf       dhcp      module
ifopen     ifclose  chain      ifconfig  image
initrd     boot     ifstat     ifconfig  login
imgexec    boot     ifstat     ifconfig  login
show      set      clear     route     autoboot

Type "commands --help" for further information.

iPXE> ifstat
eth0: 52:54:00:12:34:56 on PC100-00-0 (closed)
  (Link up, TX:0, RX:0, 0x0, 0x0)
iPXE> dhcp
dhcp (addr 52:54:00:12:34:56) .. ok
iPXE> route
eth0: 10.0.0.100/255.255.255.0 gw 10.0.0.1
iPXE>
```

Flow control commands	
<u>isset</u>	Test for existence
<u>iseq</u>	Test for equality
<u>goto</u>	Jump to script label
<u>exit</u>	Exit current shell or script
Menu commands	
<u>menu</u>	Create menu
<u>item</u>	Add menu item
<u>choose</u>	Choose menu item
Console management commands	
<u>console</u>	Configure console
<u>colour</u>	Define colour
<u>cpair</u>	Define colour pair
Form parameter commands	
<u>params</u>	Create form parameter list
<u>param</u>	Add form parameter
Miscellaneous commands	
<u>echo</u>	Print text to console
<u>prompt</u>	Prompt user to press key
<u>shell</u>	Start new interactive shell
<u>help</u>	Display list of available commands
<u>sleep</u>	Delay for fixed period of time
<u>reboot</u>	Reboot system
<u>poweroff</u>	Power off system
<u>cpuid</u>	Check x86 CPU feature
<u>sync</u>	Wait for background operations to complete
<u>nslookup</u>	Resolve host name to network address
<u>ping</u>	Check network connectivity
<u>pciscan</u>	Scan for PCI devices
Obscure commands	
<u>lotest</u>	Perform loopback testing
<u>pxebs</u>	Perform PXE boot server discovery
<u>time</u>	Measure time taken to execute command
<u>gdbstub</u>	Start remote debugging
<u>profstat</u>	Display profiling statistics

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References to "iPXE" may not be altered or removed.