

## Command-Line Interface

<https://campus.barracuda.com/doc/53248954/>

The command-line interface (CLI) is a powerful tool for executing commands and scripting on the Barracuda NextGen Firewall F-Series. Be aware that incorrect manual inputs can harm your system. The instructions in the CLI articles should be followed only by an expert admin user or as advised by [Barracuda Networks Technical Support](#). To open the CLI, you can either log in from the **SSH** page in Barracuda NextGen Admin or use your favorite SSH client to connect to the management IP address of the Barracuda NextGen Firewall F-Series. Use the **root** username and password to authenticate.

How to Use the CLI - General Instructions	Tools and Commands
<p>These articles describe the general structure and provide detailed instructions on all the operations that are manageable through the CLI.</p>	<p>These articles describe the commands and provide a range of useful examples to help you understand the CLI.</p>
<ul style="list-style-type: none"> <li>• <a href="#">Configuration Files and Tree</a></li> <li>• <a href="#">Maintaining Recipient Databases</a></li> <li>• <a href="#">How to Create PAR or PCA Files on the Command Line</a></li> <li>• <a href="#">How to Perform a Release Check</a></li> <li>• <a href="#">How to Configure SSH</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">phionctrl</a></li> <li>• <a href="#">acpfctrl</a></li> <li>• <a href="#">phion</a></li> <li>• <a href="#">Dynamic Network Start and Stop Scripts</a></li> <li>• <a href="#">mailctl</a></li> <li>• <a href="#">showbdb</a></li> <li>• <a href="#">statcheck</a></li> <li>• <a href="#">vpnadminctl</a></li> <li>• <a href="#">ktinactrl</a></li> <li>• <a href="#">admintcpdump</a></li> <li>• <a href="#">conftool</a></li> <li>• <a href="#">phibstest</a></li> <li>• <a href="#">speedtest</a></li> <li>• <a href="#">phionar and conftool</a></li> <li>• <a href="#">phionrcscleanup</a></li> <li>• <a href="#">Linux Networking Commands</a></li> </ul>

## Requirements

The following items are required in order to access the CLI:

- A console attached to the Barracuda NextGen Firewall F-Series or SSH access. For information on how to configure serial access, see [How to Enable System Access via Serial Console](#).
- An authorized user ID (root) and corresponding login password.
- The Barracuda NextGen Firewall F-Series IP or DNS name.
 

Shell access must be configured. An administrator does not actually have shell access in multi-administrator environments.
- An SSH client, for example PuTTY for Microsoft Windows® or SSH for Linux/Unix. (The SSH daemon runs on the Barracuda NextGen Firewall F-Series. For more information, see [How to](#)

[Configure SSH.](#))

- Barracuda NextGen Admin.

## Debug Command-Line Interface

A special type of command-line interface is accessible during the boot process. It is based on the *busybox* tool and allows you to perform a broad variety of standard debug and maintenance tasks in the Linux-based Barracuda OS.

To enter the debug command-line interface:

1. Press any key in the serial console when prompted during the boot process.
2. Select item **2 - Open Shell** from the ART boot menu.

```
[ 7.466846] Clocksource tsc unstable (de
[ 7.500349] Switching to clocksource jif
Loading pata_acpi module
Loading ata_generic module
+++ press any key to enter ART +++
Options:
1) Enter ART console
2) Open shell
q) Quit and continue boot sequence
ART>#
```

3. Now you may issue any *busybox* command you wish. The commands are directly linked; therefore, it is not necessary to prefix them with *busybox*

For more information about the command set available in *busybox*, see <http://www.busybox.net/>.

For general information about Linux CLI commands, see also [Linux Networking Commands](#).

## Figures

1. cli.png

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