



Coredump

For issues with a panicked computer, please follow the instructions below to gather logging.

Enabling Logging

Notes: If you have another Mac, you can try to set up the second Mac as a coredump server. Any Mac will work as a coredump server; you just need a gigabyte or so of free space per coredump). Important: The kernel dump client can only be configured to transmit on a hard-wired Ethernet port, either built-in or over Thunderbolt. There is no support for transmitting core dumps across the AirPort interface, USB Ethernet, or across third-party Ethernet interfaces. This is an issue for early MacBook Air models which have no built-in Ethernet or Thunderbolt interfaces.

For more information on kernel core dumps, please visit:

- [Technical Note TN2118](#)

1. On the server (non-panicking) machine run the following commands:

```
sudo mkdir /PanicDumps
sudo chown root:wheel /PanicDumps
sudo chmod 1777 /PanicDumps
sudo launchctl load -w /System/Library/LaunchDaemons/com.apple.kdumpd.plist
```

2. On the client (panicking) machine run the following commands:

```
sudo nvram boot-args="debug=0xd44 _panicd_ip=10.0.40.2 kdp_match_name=en7"
sudo reboot
```

Notes: Where 10.0.40.2 is replaced by the IP address of the server and en7 is replaced by the name of the client's Ethernet interface as described in [Specifying the Ethernet Interface](#).

You can use this command to show all of the network interfaces on the system:

```
ifconfig -a
```

You must reboot the client for the nvram settings to take effect.

If you hang, NMI the machine by hitting the buttons Left-⌘ + Right-⌘ + Power. This will generate a coredump file on the server machine in the directory /PanicDumps.

If you panic, the coredump file will be generated automatically on the server machine in the /PanicDumps directory.

3. Compress the coredump file saved to /PanicDumps, and attach that to the bug report.

Note: Coredumps are mostly zeros, so they compress very well (an average coredump of 500Mb will compress down to 30Mb or so), please compress it before trying to attach it to a bug report.