



# Removing All Data with the Wipe Appliance Operation

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This appendix describes how to use the Wipe Appliance operation to remove all data from the Threat Grid Appliance. It includes the following topics:

- [About Wipe Appliance, on page 1](#)
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- [Wipe Appliance and Clusters, on page 2](#)

## About Wipe Appliance

The Wipe Appliance boot option enables you to wipe the disks on a Threat Grid Appliance to remove all data prior to decommissioning or returning it to the Cisco Demo Loan Program.



### Note

The Wipe Appliance boot option should not be confused with [Data Reset](#), which prepares an appliance to restore a backup by clearing operating system logs and other state with the `destroy-data` command.



### Important

After performing the wipe appliance procedure, the Threat Grid Appliance will no longer operate without being returned to Cisco for reimaging.

## Wipe Appliance Procedure

This operation is only available in recover-mode tgsh, not tgsh as started from TGS Dialog. Perform the following steps to wipe all data from the appliance:

### Procedure

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- Step 1** Reboot the appliance (click the **Operations** tab, choose **Power**, and then click the **Reboot** button).

**Step 2** Press **F6** at the BIOS window for a list of possible boot targets, and choose **Recovery**.

The Threat Grid Shell opens in Recovery Mode. (See Figure 6 in [Resetting the Administrator Password](#))

**Step 3** Run one of the following commands in recovery-mode tgsh. These vary only in performance and (theoretically) level of security (although with modern drives, even the fast mechanism is likely to provide very good security).

- service start wipe-fast
- service start wipe-random
- service start wipe-3pass

Immediately after running any of these commands, the Wipe process will start.

The **Wipe Finished** window is displayed when the wipe operation is complete.

*Figure 1: Wipe Finished*

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nwipe 0.17 (based on DBAN's duipe - Darik's Wipe)
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Options                               Statistics
Entropy: Linux Kernel (urandom)       Runtime:      02:32:13
PRNG:   Mersenne Twister (mt19937ar-cok) Remaining:    07:06:30
Method: Quick Erase                   Load Averages: 1.99 2.13 2.20
Verify: Off                           Throughput:   4878 GB/s
Rounds: 1 (plus blanking pass)         Errors:       0

/dev/sda - LSI MR9271-Bi
(success) [173272 KB/s]

/dev/sdb - LSI MR9271-Bi
(success) [558960 KB/s]

Wipe finished - press enter to exit. Logged to STDOUT

```

**Step 4** Press **Enter** to exit.

## Wipe Appliance and Clusters

After performing a wipe operation, the Threat Grid Appliance will no longer operate unless it is returned to Cisco for reimaging. Wipe should only be used on a cluster node after that node has been flagged in the Admin UI as permanently removed.