

# Frost Info

## Please Note: Special Windows

Check the current system reservations using the 'showres' command. Reservations cause a queue drain on the reserved portion of the machine (often the entire machine), and with most users commonly running the maximum allowed wallclock time of 24 hours, this provides a multiple hour window before the reservation for shorter jobs to run.

- 08:00am - 10:00am MDT Fridays - "Jumbo Fridays" window, reserved weekly for half- and full-system jobs. If there is enough demand, this window may be extended to 12 noon.
- 07:00am - 12:00pm MDT Wednesdays - Announced in advance if required: System Maintenance window
- 10:00am - 12:00pm MDT Fridays - Announced in advance if required: Short system maintenance tasks and special job runs immediately following the Jumbo Fridays

Announcements will be sent out over the [bglusers@ucar.edu](mailto:bglusers@ucar.edu) mailing list, so please subscribe to it.

## Frost Overview

- [System Overview](#)
- [Hardware Overview](#)
- [Partition Layout](#)
- [File systems](#)

## Connecting

- [Requesting an Account](#)
- [Logging In](#)
- [Changing your password](#)
- [Transferring files](#)

## Compiling and Job Submission

- [Compiling](#): The cross-compile environment on Frost
- [Running](#): Using Cobalt on Frost (cqsub, cqstat, etc.)
- [Libraries available on Frost](#)
- [Tips for building your own libraries \(PETSc, Trilinos, etc.\)](#)
- [Mapping MPI processes to specific nodes](#)

## Debugging and Profiling

- [Common Problems](#)
- [Debugging](#): reading core files and monitoring stack and heap usage
- [Profiling code](#) with gprof, hpm, and friends
- [Common error codes](#)

## Frontend Tools

- [NCAR tools](#): Netcdf, nco, ncarg and ncl