

FermiGrid Bluearc Volumes

Volume	Size	Backup	GCE	OSE	Mounted
/grid/data	25T	N	RW	RWX	G,C,D
/grid/app	300G	Y	RW	RWX	G,C,D
/grid/fermiapp	1T	Y	RWX	RX	G,C,D
/<exp>/app		?	RWX	RX	G,C
/<exp>/data		?	RW	RW	G,C

Role of /grid/fermiapp

- Quota is limited and used space has doubled in last 3 months. Default quota 30GB/expt.
- Use it for software that
 - Is common to the whole experiment
 - Needs to be read and executed on grid nodes
- Not for non-grid-related purposes.
- Not an archive of all software versions that have ever existed
- Not a place for every user's custom compile.
- Backed up.

Role of /grid/data

- /grid/data
 - Transient data that needs to be analyzed a number of times
 - Temporary storage of data during and after grid jobs
 - Not backed up
 - Default quota 400GB/expt., Can ask for more on temporary basis

Role of /grid/app

- Application area writeable by outside grid jobs
- Default quota 30GB/expt.
- Backed up.

Role of experiment-specific areas

- All IF experiments have their own data and app areas on bluearc in addition to FermiGrid-specific ones.
- `/<exp>/app` has same mounting permissions as `/fermigrid/fermiapp`
- `/<exp>/data` is for data—can't be executable. Good place to put calibration files and the like.

Bluearc in general

- All areas served by BestMan gateway fg-bestman1.fnal.gov, can srmcp from off-site or on-site.
- Any of these areas could be served by Parrot
- Could they be mounted on the rest of FermiGrid? Maybe. Perhaps better if the request comes from IF group.