

MenloWare's policy-based storage management software allows companies to move from proprietary and expensive storage products to commodity hardware and software solutions.

MenloWare's Web application unifies the management of all of the storage components. From a single console, administrators can configure file systems, storage pools, storage volumes (LUNs), volume groups, ISNS discovery domains, and file system users.

In addition to storage provisioning, MenloWare provides real-time health monitoring for the storage arrays, servers, pools, and file systems. Users can also provide additional tests and customize the Web dashboard display.

Feature	Benefit
GUI provides support for iSCSI, ISNS, ZFS and other open storage protocols	Reduces costs by enabling transition to commodity hardware
Unified GUI for managing storage array, storage servers, and directory services	Reduces costs by simplifying storage management
Policy-based storage provisioning	Enables new services and gives more control to business application owner
Capacity on-demand; thin provisioning of file systems, volumes and volume groups	Reduces costs by improving operational efficiency

Managed Storage Components:

- Physical Disks
- Volume Groups
- Volumes
- Storage Pools
- File Systems
- Snapshots
- Users
- User Groups
- ISNS

File System Services:

- Provision
- Expand capacity (reservations, quotas)
- Delete file systems
- Monitor usage trends
- Schedule snapshots
- Recover snapshots
- Search snapshots
- Perform data scrubs
- Set properties (checksum, encryption, etc.)

Web Application:

- Firefox
- Internet Explorer

Role-based Access:

- Active Directory
- Linux passwords

Centralized Log:

- Solaris
- Linux
- Windows



Welcome, Brad Stone

Monitor Analyze Audit Admin

Home Applications Storage Presentation **Storage** Servers Networks Directories

Virtual | Physical

Storage Array: gsa5.proto.grid.dca

Disks

- gsa5.proto.grid.dca

Storage Arrays **Add**

- gsa5.proto.grid.dca
- gsa6.proto.grid.dca

Storage Pools

Pool	RAID	Current Size	Delete	Increment
0	6	2788 GB	✗	
1	6	2788 GB	✗	
5	1	278 GB	✗	
Pool1-RAID5-SAS-557	5	557 GB	✗	
Pool2-RAID5-SAS-1T	5	1115 GB	✗	

RAID Distribution

RAID	Current Size
0	0 GB
1	278 GB
3	0 GB
5	1673 GB
6	5577 GB

Unassigned Disks

Tray Slot	Serial Number	Size	Select
1 10	0724T17VXE 3LM17VXE	279	<input checked="" type="checkbox"/>
1 11	3LM11LP600009745UXA0	279	<input checked="" type="checkbox"/>

Assign To: New storage pool

RAID Level: RAID 0 RAID 1

Allocate Disks

Central Log

Refresh

Timestamp	Type	Src	Module	Message
02/13/2009 09:48:00	Error	smc1	gridManager	ZFSPoll ZFSPoll(): call to getAllFSStats failed. rc=1 serviceStatus=1 500 read timeout