

Configuring Storage Pools

See the following topics for information on storage pools:

- [About Storage Pools](#)
- [Managing Storage Pools](#)

About Storage Pools

A storage environment can be divided into storage pools. Each pool uses a profile that allows the storage pool to meet specific I/O requirements. Each array has a default pool that uses the default profile which implements RAID-5 storage characteristics. The default pool can be used in the most common storage requirements. The array also provides a set of storage profiles that satisfy certain I/O requirements. If none of the factory profiles are suitable for your site's needs, you can create a custom storage profile. When you create a new storage pool, you assign a specific profile to it.

To see the current storage pools, go to the Storage Pool Summary page, as described in [Displaying Pool Information](#).

Reconfiguring a storage pool consists of removing the storage pool and then creating a new storage pool. Storage pools can be expanded dynamically so you can remove unused virtual disks and add new virtual disks.

Note – You cannot delete storage pools that have volumes associated with them. Removing the storage pool destroys all stored data in the pool. The data can be restored from backup after new storage pools are added, but it is far easier to avoid the difficulty in the first place.

Related Topics

- [Managing Storage Pools](#)
- [About Virtual Disks](#)
- [About Volumes](#)

Managing Storage Pools

You can create, modify, and delete storage pools, and you can add storage to a pool.

Related Topics

- [About Storage Pools](#)
- [Displaying Pool Information](#)
- [Creating a Storage Pool](#)
- [Adding Storage to a Pool](#)
- [Modifying a Storage Pool](#)
- [Deleting a Storage Pool](#)

Displaying Pool Information

You can display summary and detail information on existing storage pools. You can also display summary information about the virtual disks and volumes that are associated with each pool.

To display information on pools:

1. Go to the Sun Web Console page and click SE6130 Configuration Service.
2. Click Storage > Logical > Pools.

The Storage Pool Summary page is displayed.

3. Click a pool name for detailed information on that pool.

The Storage Pool Details page for the selected pool is displayed.

4. Go to additional information and click any item for additional information associated with the selected pool.

The Summary page for the selected item is displayed.

Related Topics

- [Managing Storage Pools](#)
- [Creating a Storage Pool](#)
- [Adding Storage to a Pool](#)

Creating a Storage Pool

To create a storage pool:

1. Go to the Sun Web Console page and click SE6130 Configuration Service.
2. Click Storage > Logical > Pools > New.

The Create New Storage Pool page is displayed.

3. Specify a name for the new pool, using a maximum of 12 characters.
Valid characters include 0 to 9, A to Z and a to z, _ (underscore), and - (dash).
4. Select the storage profile with which you want to associate this pool, and click OK.

Related Topics

- [Managing Storage Pools](#)
- [Adding Storage to a Pool](#)
- [Modifying a Storage Pool](#)

Modifying a Storage Pool

To modify a storage pool:

1. Go to the Sun Web Console page and click SE6130 Configuration Service.
2. Click Storage > Logical > Pools.

The Storage Pool Summary page is displayed.

3. Click the storage pool that you want to modify.
The Storage Pool Details page for that pool is displayed.
4. Make the appropriate modifications, and click Save. If you have not yet clicked Save, you can click Reset to restore the previously configured values.

Related Topics

- [Managing Storage Pools](#)
- [Creating a Storage Pool](#)
- [Adding Storage to a Pool](#)
- [Deleting a Storage Pool](#)

Deleting a Storage Pool

You cannot delete storage pools that have volumes associated with them.

To delete a storage pool:

1. Go to the Sun Web Console page and click SE6130 Configuration Service.
2. Click Storage > Logical > Pools.
3. Click the check box for the storage pool that you want to delete. This enables the Delete button.
4. Click Delete. The selected storage pool disappears from the Storage Pools table.

Related Topics

- [Managing Storage Pools](#)
- [Creating a Storage Pool](#)
- [Adding Storage to a Pool](#)
- [Modifying a Storage Pool](#)

Storage Pool Summary Page

This page displays information about all storage pools. Click a pool name to view the details and additional information for that pool.

You can filter the pool listings by domain, thereby showing only those pools that are associated with that domain. Setting the filter configures the domain filter for volumes, virtual disks, pools, and initiator summary pages.

Field	Indicates
Name	The storage pool name.
Storage Profile	The storage profile associated with this pool.

Related Topics

- [About Storage Pools](#)
- [Managing Storage Pools](#)

Storage Pool Details Page

This page displays storage details for the selected pool, including available additional information.

TABLE 10-1 Storage Pool Details

Field	Indicates
Name	The storage pool name.
Storage Profile	The storage profile associated with this pool.
Configured Capacity	The storage capacity for the volumes that are configured for this pool.
Available Capacity	The remaining storage capacity that is available for creating volumes from this pool.

The additional information table provides related information. Click an item to see its details.

TABLE 10-2 Storage Pool Additional Information

Type	Number of Items
Volumes	The number of volumes in this pool.

Related Topics

- [About Storage Pools](#)
- [Managing Storage Pools](#)

Storage Pool Additional Information - Volume Summary Page

This page shows the volumes in the specified pool.

TABLE 10-3

Field	Indicates
Name	The volume name.
Type	The volume types are: <ul style="list-style-type: none">• Standard - A standard volume.• Snapshot - A snapshot volume contains the current volume snapshots.• Repository - A repository volume contains all existing volumes.• Source - A source volume for a snapshot.• Target - A target volume is where you want to save the snapshot.
Virtual Disk	The virtual disk that is associated with this volume.
Pool	The storage pool associated with this volume.
Capacity	The storage capacity that is allocated to this volume. The capacity is the usable size of the volume for data. You might need additional capacity for a snapshot reserve.

Related Topics

- [About Storage Pools](#)
- [Managing Storage Pools](#)