



# **Manage storage units**

ASA r2

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# Manage storage units

## Modify storage units on ASA r2 storage systems

To optimize performance on your ASA r2 system, you might need to modify your storage units to increase their capacity, update QoS policies or to change the hosts that are mapped to the units. For example, if a new, critical application workload is added to an existing storage unit, you might need to change the Quality of Service (QoS) policy applied to the storage unit to support the performance level needed for the new application.

### Increase capacity

Increase the size of a storage unit before it reaches full capacity to prevent a loss of data access that can occur if the storage unit runs out of writeable space. The capacity of a storage unit can be increased to 128 TB which is the maximum size allowed by ONTAP.

### Modify host mappings

Modify the hosts that are mapped to a storage unit to assist in balancing workloads or reconfiguring system resources.

### Modify QoS policy

Quality of service (QoS) policies guarantee that the performance of critical workloads is not degraded by competing workloads. You can use QoS policies to set a QoS throughput *limit* and a QoS throughput *guarantee*.


- QoS throughput limit

The QoS throughput *limit* restricts the impact of a workload on system resources by limiting the throughput for the workload to a maximum number of IOPS or MBps, or IOPS and MBps.

- QoS throughput guarantee

The QoS throughput *guarantee* ensures that critical workloads meet minimum throughput targets, regardless of demand by competing workloads, by guaranteeing that the throughput for the critical workload does not fall below a minimum number of IOPS or MBps, or IOPS and MBps.

### Steps

1. In System Manager, select **Storage**.
2. Hover over the name of the storage unit you want to edit.
3. Select ; then select **Edit**.
4. Update the storage unit parameters as needed to increase capacity, change the QoS policy, and update the host mapping.

### What's next?

If you have increased the size of your storage unit, you must rescan the storage unit on the host for the host to recognize the change in size.

# Move storage units on ASA r2 storage systems


If a storage availability zone is running low on space, you can move storage units to another storage availability zone to balance the storage utilization across the cluster.

You can move a storage unit while the storage unit is online and serving data. The move operation is non-disruptive.

## Before you begin

- You must be running ONTAP 9.16.1 or later.
- Your cluster must consist of four or more nodes.

## Steps

1. In System Manager, select **Storage**; then select the storage unit you want to move.
2. Select ; then select **Move**.
3. Select the storage availability zone you want to move the storage unit to; then select **Move**.


# Delete storage units on ASA r2 storage systems

Delete a storage unit if you no longer need to maintain the data contained in the unit. Deleting storage units that are no longer needed can help you free space needed for other host applications.

## Before you begin

If the storage unit you want to delete is in a consistency group that is in replication relationship, you must [remove the storage unit from the consistency group](#) before you delete it.

## Steps

1. In System Manager, select **Storage**.
2. Hover over the name of the storage unit you want to delete.
3. Select ; then select **Delete**.
4. Acknowledge that the deletion cannot be undone.
5. Select **Delete**.

## What's next?

You can use the space freed from the deleted storage unit to [increase the size](#) of storage units that need additional capacity.

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