Capacity Pools

ONTAP Select

NetApp
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Capacity Pools

Determine Capacity Pools license size for ONTAP Select

The licensed capacity for a Capacity Pool license is in full TB amounts, with a minimum of 2 TB. You calculate the licensed capacity by multiplying the amount of usable space by the overhead factor. The overhead factor estimates the ONTAP Select software overhead capacity to be taken from the usable space and it applies to determining the ONTAP Select capacity for NVMe, SSD, HDD, or virtual drives. The overhead factor differs between a single-node and multi-node (HA-pair based) clusters:

- Overhead factor for single-node clusters is 1.13
- Overhead factor for multi-node clusters is 2.67

You need to calculate the licensed capacity based on the usable space to ensure you have enough for your deployment. For example, you want 20 TB of usable capacity for an HA pair (10 TB per node):

- With an HA pair, the data is duplicated between both nodes for redundancy, so for 20 TB of usable data in an HA pair, you need to have 20 TB per node, in case one of the nodes goes offline.
- The factor of 2.67 doubles the capacity of each node and adds the overhead capacity (0.67) needed for ONTAP Select to function.
- The license capacity per node is 27 TB (10 x 2.67 = 26.7). For the HA pair, you require two 27 TB licenses to have 20 TB of usable capacity.

Description	Single-node	HA pair or mix of HA pair and single-node
Usable space	20 TB	10 TB per single-node cluster 20 TB for HA pair
Licensed space	23 TB (20 x 1.13 = 22.6, round up to next full TB)	54 TB (20 x 2.67 = 53.4, round up to next full TB)
Maximum usable space per node **Note**: The maximum managed space per node or HA pair is 400 TB	353 TB (400 / 1.13)	Per single-node in a cluster: 149 TB (400 / 2.67) Per HA pair in a cluster: 298 TB (2 x 149)

What's next

Acquire a Capacity Pools license for ONTAP Select

Acquire an ONTAP Select Capacity Pool license

You must acquire a license file for each Capacity Pool used by the ONTAP Select nodes. The license file defines the storage capacity and expiration for the pool. It is locked to the

License Manager through a combination of the unique license serial number assigned by NetApp and the License Lock ID associated with the Deploy instance.

Before you begin

- You must have the nine-digit license serial number assigned to the Capacity Pool by NetApp.
- You should wait at least 24 hours after the shipped date of your purchase order before acquiring a license file.
- You have reviewed the considerations for sizing a Capacity Pools license.

About this task

You must perform this task for each Capacity Pool used by the ONTAP Select nodes.

Steps

1. Log in to the NetApp Support site.
2. Select **Systems** > **Software Licenses**.
3. Type the license serial number for the Capacity Pool and select **Go!**.
4. On the license details page, navigate to the **Product Details** column.
5. Select **Get NetApp License File** on the appropriate row.
6. Type the License Lock ID for your ONTAP Select Deploy instance and select **Submit**.
7. Select the appropriate delivery method and select **Submit**.
8. Select **OK** on the delivery confirmation window.

After you finish

You must upload the license file to the Deploy administration utility before an ONTAP Select node can use the Capacity Pool.

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