StorageCraft Drive Recommendations

Select Recommended Drives for OneXafe 4412 and 4417

This document provides some examples of recommended drives for use with OneXafe based on different capacity requirements. This is not an exhaustive list. Currently over 50 different make, model, and capacity SAS/SATA drives are being successfully used with OneXafe. StorageCraft's unique architecture enables customers to often select the drive of their choice. OneXafe 4412 and 4417 supports up to 12TB drives.

For supported drives and recommendations for OneBlox 4312, please click here.

A few things to note:

- For smaller configurations of 8-12 drives in a OneXafe cluster, it's better to have similar, if not identical, capacity drives in the cluster. As the number drives increase in the cluster, the flexibility increases over time to mix different capacity drives.

- With the 4412 and 4417 models, higher performing drives will make a difference in application performance, including the number of drives/spindles within each OneXafe. This is true for both IOPS and throughput.

- Customers should consider the tradeoff of performance and cost when selecting drives for the 4412 and 4417. Nearly any SATA II, SATA III, and SAS drives between 1TB and 12TB in capacity are supported. However, Seagate 8TB Active Archive SMR drives are currently not supported. These drives were designed for different application workloads. Additionally, avoid drives less than 7200 rpm as the performance of the cluster will be degraded.

- While OneXafe supports many HDDs, we do not support drives that have Protection Information (PI) enabled. The difference in sector size is the reason for incompatibility.

- Please note that the manufacturers change the model numbers frequently and may have country specific model numbers that are not included below. The referenced model numbers are not the only models that will work with OneXafe 4412 and 4417.

Large Capacity Drives

Manufacturer	Capacity/Type
WD Gold	8TB, 10TB, and 12TB
WD Red Pro	6TB, 8TB, and 10TB
Seagate EXOS	10TB and 12 TB
Seagate EXOS E	6TB and 8TB