Drive Recommendations

Select Recommended Drives for OneBlox 4312

This document provides some examples of recommended drives for use with OneBlox 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 OneBlox. StorageCraft's unique architecture enables customers to often select the drive of their choice. OneBlox 4312 supports up to 8TB drives.

A few things to note:

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

• With the 4312, higher performing drives will make a difference in application performance, including the number of drives/spindles within each OneBlox. This is true for both IOPS and throughput. If possible, select 4KN format drives. They will perform better than the 512E format drives, but the 512E drives will work fine.

• Customers should consider the tradeoff of performance and cost when selecting drives for the 4312. Nearly any SATA II, SATA III, and SAS drives between 1TB and 8TB in capacity are supported. Please note SATA I drives are NOT supported with the 4312. HGST 8TB Helium drives and Seagate 8TB SATA drives are supported. However, Seagate 8TB Active Archive SMR drives are currently not supported. These drives were designed for different application workloads.

Large Capacity Drives

Manufacturer	Capacity/Type	Type/Model #	Price
HGST	8 TB	SAS HUH728080AL4204v	~$475
PR-NEOsT48BO6F	8 TB	SATA HUH728080ALN604	~$350
Seagate	8 TB	SAS ST8000NM0065	~$350
PR-NEOxl80BO6F	6 TB	SAS HUH728060AL4204	~$350
PR-NEOxlADBO6S	6 TB	SATA HUH728060ALN604	~$300
Seagate	6 TB	SAS ST6000NM0014	~$300
Seagate	6 TB	SATA ST6000NM0004	~$260

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 OneBlox 4312.