NetApp Operating Systems – Data ONTAP

- Data ONTAP is NetApp's most popular storage operating system.
- It runs on NetApp's Fabric Attached Storage FAS systems.
- FAS systems are designed as shared storage systems.
- They support varied workloads over a multitude of supported SAN and NAS storage protocols and have flexible features.

NetApp Operating Systems - SANtricity

- NetApp also offer E-Series systems which run on the SANtricity operating system.
- E-Series systems are designed to support applications that need dedicated SAN based storage, particularly where the application manages its own data.
- The E-Series systems evolved from the acquisition of Engenio in 2011.

7-Mode vs Clustered Data ONTAP

- Data ONTAP comes in two modes: 7-Mode and Clustered (also known as Cluster-Mode or CDOT).
- A FAS system can run either 7-Mode or Clustered, but not both at the same time.
- Both modes do exactly the same job. It is the operating system which controls everything on the storage system.

7-Mode vs Clustered Data ONTAP

- 7-Mode evolved from NetApp's original operating system, Data ONTAP 7G.
- Clustered Data ONTAP evolved from the acquisition of Spinnaker Networks in 2003 and Data ONTAP GX.
- Cluster-Mode is more scalable than 7-Mode.
- The early software versions of Clustered Data ONTAP were limited in features compared to 7-Mode.

Data ONTAP moving forward

- In versions earlier than 8.3, NetApp released Data ONTAP in both modes and customers could choose to deploy the full feature support of 7-Mode or the scalability of Cluster Mode.
- NetApp worked towards achieving feature parity on Cluster Mode over the last several software versions.
- Development of new features focused on Cluster Mode.
- From version 8.3 it is only available as Clustered.


FLACKBOX
www.flackbox.com