

## Basic Concepts for NetApp ONTAP 9.7 v2.2

This lab introduces the fundamental concepts of NetApp ONTAP. The lab user will configure a 2-node cluster running as a High Availability (HA) pair, provision aggregates, SVMs, LIFs, volumes, LUNs, protocols, and namespaces, and use Windows 2019 and Red Hat Enterprise Linux 7.5 clients to access the ONTAP storage using CIFS, NFS, and iSCSI. Although not specifically utilized in the lab workflows documented in the lab guides, this lab also includes an instance of Unified Manager 9.7. The SAN workflows demonstrated in this lab apply to both All SAN Array (ASA) and non-ASA systems like All Flash FAS (AFF).

The lab guide for this lab is once again broken out into 4 separate documents, as follows:

- NAS Services, System Manager Edition
- NAS Services, ONTAP CLI Edition
- SAN Services, System Manager Edition
- SAN Services, ONTAP CLI Edition

The System Manager Editions of these guide utilize "classic" System Manager, not the "new experience" System Manager preview included in ONTAP 9.7.

The NAS Services guides focus on configuring ONTAP and clients for CIFS and NFS, while the SAN Services guides focus on configuring ONTAP and clients for iSCSI. **You can safely complete the NAS and SAN guides in the same instance of the lab.** If this interests you, then for the best experience we recommend that you **complete the NAS guide first** (starting from the beginning of the guide), **then start the SAN guide in section 3.2** (as the sections prior to 3.2 are the same in both lab guides).

**The System Manager and ONTAP CLI Editions of the lab guide both produce the same ONTAP and client configuration, they just use different management interfaces to get there.** System Manager Edition is recommended for those who prefer using a graphical management interface, whereas the CLI Edition is recommended for those who prefer using the command line.

### Special Note: