

ONTAP software bundle update

ONTAP 9.13.1P1

Lenovo

ONTAP update overview

- The DM3010H supports ONTAP version 9.13.1P1 or later and introduces a new ONTAP software In-Product Automation (IPA) license key structure.
- There are two new ONTAP software bundles: Unified Complete and Unified Essential.
- Each DM Series system will be equipped with either two or four license keys, with one key allocated for the Software Bundle and one key for encryption on each controller.
- When upgrading to ONTAP 9.13.1 on existing DM Series systems (excluding the DM3010H), all defined license features will be transferred using the system's existing keys (legacy keys), rather than being displayed as a unified essential or unified complete key.
- With existing DM Series systems (excluding the DM3010H), customers can access LKMS and perform an equalization process, which will convert their legacy key into the corresponding key bundle associated with it.

Existing DM storage can be upgraded to ONTAP 9.13.1

For the DM Series (DM7100F, DM5100F, DM3000/5000)

- ONTAP Unified Premium → Lenovo Unified Complete Software
- ONTAP Unified Fundamentals → Lenovo Unified Essential Software

New ONTAP software bundles

License type	Feature name	Unified Complete	Unified Essential	Encryption Add-On
Controller-Based	NFS	v	v	
Controller-Based	CIFS	v	v	
Controller-Based	S3	v	v	
Controller-Based	FC	v	v	
Controller-Based	iSCSI	v	v	
Controller-Based	NVMeoF	v	v	
Controller-Based	SnapRestore	v	v	
Controller-Based	FlexClone	v	v	
Controller-Based	MTKM	v	v	
Controller-Based	SnapLock	v	v	
Controller-Based	Autonomous Ransomware Protection	v		
Controller-Based	SnapMirror Async	v		
Controller-Based	SnapMirror Sync/Bus. Cont.	v		
Controller-Based	SnapVault	v		
Controller-Based	SnapCenter	v		
Host-Based	SnapMirror Cloud	v		
Host-Based	S3 SnapMirror	v		
Host-Based	FabricPool	APOS		
Controller-Based	Volume Encryption			v
Controller-Based	Trusted Platform Module (TPM)			v

The DM3010H supports two new bundles:

- Unified Complete
- Unified Essential

For more information about After Point of Sale (APOS) service upgrades, refer to the [APOS Upgrade](#) website.

New ONTAP bundles and current DM bundles

License type	Feature name	(New) Unified Complete	Unified Premium	(New) Unified Essential	Unified Base	Encryption Add-On
Controller-Based	NFS	v	v	v	v	
Controller-Based	CIFS	v	v	v	v	
Controller-Based	S3	v	v	v	v	
Controller-Based	FC	v	v	v	v	
Controller-Based	iSCSI	v	v	v	v	
Controller-Based	NVMeoF	v	v	v	v	
Controller-Based	SnapRestore	v	v	v	v	
Controller-Based	FlexClone	v	v	v	v	
Controller-Based	MTKM	v	S&C	v		
Controller-Based	SnapLock	v	S&C	v		
Controller-Based	Autonomous Ransomware Protection	v	S&C			
Controller-Based	SnapMirror Async	v	v			
Controller-Based	SnapMirror Sync/Bus. Cont.	v	v			
Controller-Based	SnapVault	v	v			
Controller-Based	SnapCenter	v	v			
Host-Based	SnapMirror Cloud	v	HC			
Host-Based	S3 SnapMirror	v				
Host-Based	FabricPool	APOS	HC	APOS		
Controller-Based	Volume Encryption					v
Controller-Based	Trusted Platform Module (TPM)					v

- S&C = Security and compliance bundle
- HC = Hybrid cloud bundle