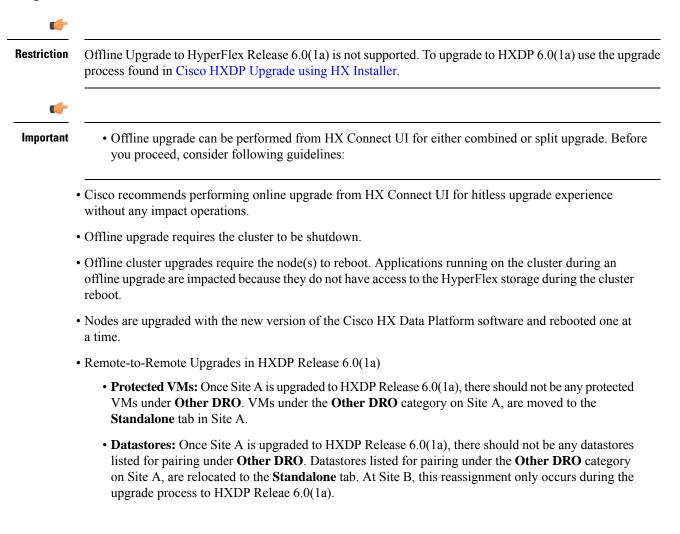


## **HyperFlex Offline Upgrade Workflow**

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## **Offline Upgrade Guidelines**



- Unmapping DRO datastore pairs simultaneously with any other Native datastore mapping or unmapping actions is not supported after upgrading the Site A and Site B clusters to HXDP Release 6.0(1a). Thus, unmapping of DRO datastores must be carried out individually.
- Offline cluster upgrades with nested vCenter is not supported.

## **Offline Upgrade Process Workflow**

Step	Description	Reference
1.	If UCSM (A-bundle) or UCS Server Firmware (C-bundle) upgrade is required, download Cisco UCS Infrastructure A, blade bundle B, and rack bundle C.	Software Download
2.	Upgrade Cisco UCS Infrastructure bundle as required.	Upgrade UCS Infrastructure Firmware
3.	Launch the vSphere Web Client and power down all user VMs (HyperFlex Controller VMs should stay powered on) residing on HX servers and all user VMs running on HX datastores. This includes VMs running on Compute-only nodes. After the VMs are shut down, verify the health state of the cluster and perform a graceful shutdown.ImportantHyperFlex controller VMs (stCtlVMs) must remain powered on.	For more details, see Shut Down and Power Off the Cisco HX Storage Cluster.
4.	(Optional) SSH to cluster management IP as admin user and disable the snapshot schedule.	Run the command stcli snapshot-scheduledisable.
5.	Log into HX Connect as admin user and perform either a combined upgrade or an individual component upgrade.	For a combined upgrade see Upgrading HyperFlex Data Platform Software, VMware ESXi, and Cisco UCS Server Firmware using HX Connect. For an individual component upgrade see Upgrade UCS Firmware, HX Data Platform and VMware vSphere - Individual Component Upgrade.
6.	Confirm the upgrade is complete and perform the post upgrade tasks .	Post Upgrade Tasks
7.	Start the cluster.	Preparing for HX Storage Cluster Maintenance
8.	(Optional) Enable snapshot schedule if it was disabled previously in step 4.	Run the command stcli snapshot-scheduleenable.