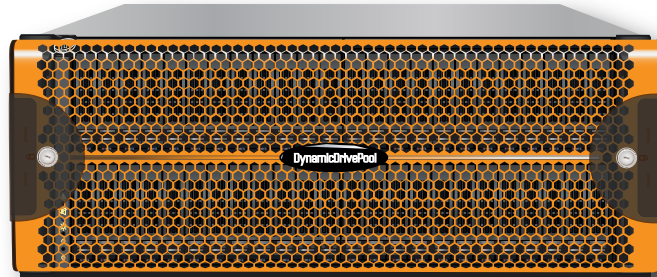


miniDDP

The miniDDP48D is a modular all flash Ethernet SAN Shared Storage Server in one box



The miniDDP48D has a built in metadata controller and can be configured with Raid 5 sets of SSDs. It currently can hold up to 48 SSDs with capacities of 1,2 and 4TB. It can be partly populated so additional SSD packs can be added later.

When SSDs are added later data can be redistributed automatically. An SSD pack consisting of 4 or 8 SSDs can be from 4 to 32 TB. With an EX card in the DDP additional storage arrays such as DDP16EX, DDP24EX and DDP60EXR can be added on the fly again with automated data redistribution. DDPs can be added on the fly as well with the upcoming V5 software version. This results in linear scaling of both capacity and bandwidth.

DDP conceptionally works with one virtual volume/filesystem which holds folders with volume properties, so called Folder Volumes. Data itself is stored in Data Locations. Quota can be assigned to Folder Volumes to manage capacity. Also Data Locations can be assigned to Folder Volumes. When balanced is selected incoming media is distributed over Data Locations.



In a setup with multiple DDPs one DDP functions as master but with parallel data access from to all DDPs. DDP storage or complete DDPs can be added without users noticing. There is no need for the administrator to make changes via the web interface, when Folder Volumes are set to balanced and caching. One web interface, one volume with folders and Folder Volumes: one name space.

All standalone DDPs use hardware Raid technology with redundant power supplies. Optionally 1GbE, 10GbE and 40/100 GbE ports can be added. Additional Raid cards can be added when expanding the DDP with DDP16EX or DDP60EX JBODs. SAS cards can also be added when using the DDP with LTO tape devices.

The supported operating systems are OSX, Windows and Linux. In order to guarantee the highest performance, an iSCSI initiator and AVFS client driver must be installed on each desktop. For clients wishing to use DDP as an NAS, no drivers are required.