



Hewlett Packard Enterprise

Oct 16, 2023

XP Product Management
Hewlett Packard Enterprise
xp-pm@hpe.com

HPE XP8 Storage Solid State Drives Statement of Drive Endurance

XP8 Storage Value to the Enterprise customers

HPE XP8 Storage array and associated services are designed for uninterrupted availability over extended product life cycles. Enterprise customers have deployed XP8 to support their most critical workloads where failure is not an option. These workloads often stay in production for many years after the initial installation of an XP8 array. Therefore, HPE is committed to providing warranty services to the installed XP8 systems, selected feature upgrades, appropriate operating system version upgrades, HBA and switch support, and other necessary services over a reasonable product lifetime to our XP8 customers.

XP8 Solid State Drives

For the HPE XP8 Storage Systems, HPE is not publishing any DDPD (Data Written Per Day) values for the Solid State Drives (SSD's) as HPE provides a flat warranty for the array for a 3-year period. For customers using an XP storage array this means that the DDPD values are irrelevant and HPE will replace drives before they reach end of available write endurance.

For a customer crossing the DDPD limit stated by a drive manufacturer is irrelevant (and HPE does not publish any limits in the product quick specs as different drive vendors will have slightly different DDPD rates) as the following two aspects apply:

- If the SSD drive in an XP storage array is worn out within the three years warranty, it will get replaced as a fix-on-failure with a spare part as part of the warranty provided by HPE for the XP storage array.
- If the XP drive is worn out in year 4 or later, it must be replaced by buying a new drive as a replacement. In some cases when using HPE GreenLake it will be replaced under the HPE GreenLake extended warranty, in other cases it shall be the customer responsibility.

In addition, the HPE XP8 storage system tracks all writes to SSDs and can report the percent of the total write limit that has been used. When a drive reaches 99% of endurance it will automatically "spare out" and a spare drive will automatically "spare in". A SIM warning will be sent when a drive reaches 95% of endurance to allow any SSD approaching the write limit to be proactively replaced before or when the drive would automatically spare out. In addition, customers can create an SSD wear report at any point of time to review the current write endurance on the installed drives in the HPE XP storage array.

© Copyright 2017, 2019, 2023 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

This data sheet is governed by the Hewlett Packard Enterprise current standard sales terms, which include the supplemental data sheet, or, if applicable, the Customer's purchase agreement with Hewlett Packard Enterprise.