#### **Insight, Analytics and Prescriptive**

#### **Innovative Visibility, Analytics and Intelligence**

DiskProphet® is a patented and intelligent data analytics solution that addresses the problem of data loss prevention in a unique way. With DiskProphet®, data is continuously collected from hard disks and solid state disks to not only predict behavior but to also provide prescriptive actions.

Supporting industry standard interfaces such as **SATA**, **SAS** and **NVMe**, it accurately predicts failure, fatigue, performance and usage trends to ensure that the storage infrastructure continues to operate optimally, ensuring a consistent experience for customers.

DiskProphet® in a glimpse!



**Key Features**

Fully Automatic Deployment

Based on a microservice design, DiskProphet® can be automatically deployed in environments without any major effort. Runs as Docker containers on physical machines or virtual machines, DiskProphet can be dynamically scaled vertically or horizontally.

Predictive Analysis

Being an analytics engine, DiskProphet® continuously collects metadata from disks to dynamically predict the behavior of disks including metrics such as performance, utilization, probability of failure and fatigue. These are then used to streamline and maintain the performance of the storage infrastructure.

Reporting and Open REST APIs

With enterprise reporting in HTML and CSV formats, DiskProphet® allows businesses to understand the state and health of its storage infrastructure and perform planning in advance through actionable insights. In addition, REST APIs allows for fine grained query of predictive results for further integration.

Improve Operational Efficiency

DiskProphet® improves the operational efficiency of scale-up and scale-out storage systems. On StellarFlash arrays, DiskProphet® performs automatic backup and snapshot configuration based on disk failure predictions. On Ceph, it applies predictive analysis to avoid performance degradation due to contention among Ceph OSDs when disks fail.