



Velocity Meets Durability (and DAOS!)

AI AND HPC DATA INFRASTRUCTURE SOFTWARE COMPANY

Revolutionizing Performance and Durability @Scale

Chris Girard – Head of Products



Our History & Future



2000's **Panasas**

Founded by Dr. Garth Gibson, co-inventor of RAID, as a startup focused on developing new storage technologies – Linux Based, Enterprise Class Parallel File System (PanFS)

2015

Created new approach to data protection at scale with File Level Erasure Coding (RAID6 + Triple Parity)

2020

PanFS 9.0 Flash Optimization - Dynamic Data Placement, New OSD v4 layer

2024 **VDURA**

> 40% New Employees

Two new major Software Releases
New Avnet Integrated Partnership (April)

Corporate Rebrand from Panasas to VDURA (May)

New Subscription Business Model launched (Q2)

New Hardware Partner Ecosystem (Q4)

Public Cloud Partnership Announcements (Future)

V5000

>100 Drives per server

Next gen Flash & HDD

Huge Improvements in Price/Performance/Capacity

Best in class Availability & Durability

PanFS- Continuous Investment >\$200M, Development and Capability

2004

Launched our first high-performance storage product for the enterprise market – ActiveStor Blade

2018

PanFS 8.0 - Moved off Blade architecture to Ultra Platform



2023 - New CEO and Mgmt Team

2025+ - AI Data Platform

Plan for multiple software releases:
Cloud Version (VPC)

AI Data Platform including RDMA support

AI Powered Data Orchestration and Tiering

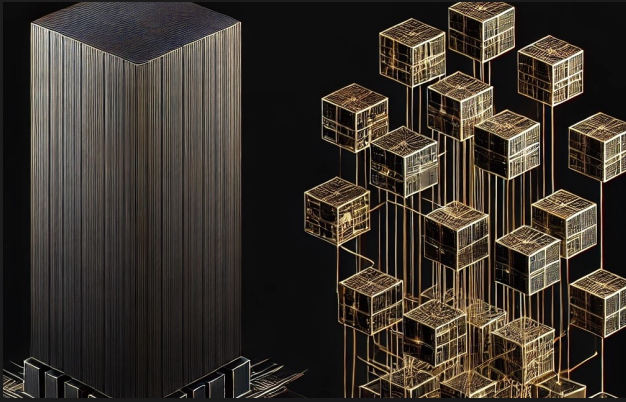
All-Flash Certified Platforms

Prototype of Ultra GbE support



V11 is a significant Modernization of the PANFS architecture

Reimagined as the VDURA Data Platform



The entire stack has been ported to a
Microservices Architecture

Two main constructs storing data in the platform:

1. VPODs are data stores for large files
2. VeLOs are data stores for metadata, small and hot files

2. **Velocity Layered Operations (VeLO)** is a **New Key Value Store** for small files and metadata optimized for flash



Based On

