

# Pure Storage: Your OpenStack Storage Solution

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#### Happy 15th Birthday to OpenStack from another 15 year old...









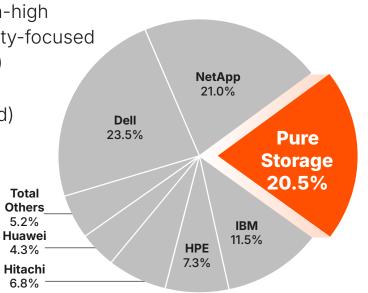


#### Who are Pure Storage?

- Founded in 2009
- Fastest growing enterprise company
- All-Flash storage platforms

On-prem arrays designed for ultra-high performance all the way to capacity-focused

- Cloud-based array (Azure + AWS)
- Single operating system for all
- NPS score of **81** (3rd party verified)





IDC Quarterly Enterprise Storage Systems Q2 2024



**Total Others** 5.2%

4.3%

Hitachi 6.8%

#### **Proven Leadership over a Decade**



Always Improving Non-disruptively

**Consistent Unified Platform** 

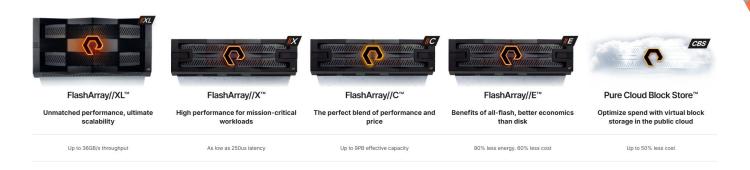
### **Pure and OpenStack**

- First in-tree Cinder driver in Juno (2014 H2)
- Continuous contributor to OpenStack
- In-tree Manila driver in Xena (2021 H2)
- Contributed to 26 projects
- Only vendor to support all approved Cinder storage protocols
- Integrated into multiple deployment methods
- Only NVMe-TCP certified driver for Red Hat OpenStack deployments
- Preferred storage platform for Canonical OpenStack



# **OpenStack Integrations**

- FlashArray™ for Cinder
- FlashBlade<sup>®</sup> for Manila
- FlashArray is #1 after Ceph for Block Storage OpenStack User Survey 2024
- All block protocols supported iSCSI, FC, NVMe-RoCE and NVMe-TCP
- Averages an industry-leading 5:1 data reduction with a total efficiency of 10:1 (including thin provisioning)



Uncomplicate Data Storage, Forever

#### **Cinder Features**

- Active/Active support
- Multi-backend with enhanced scheduling capabilities
- Full replication support (async, sync, trisync [3-site])
- Front-end storage Quality of Service
- Consistency groups, included replicated
- Full snapshotting capabilities, including snapshot restore
- Dynamic Oversubscription
- Enabling VMware migrations support for vVols from 2025.1 (Epoxy)
- Backend for Glance stores and glance image-cache



# **Ceph-less OpenStack is possible**



Ceph has historically been used to facilitate all your storage needs in one platform...

Do the same, and more, with **Pure Storage** 

	Ceph	Pure Storage
Block Storage	✓	✓
File Storage	✓	✓
Glance Store and/or Image Cache	✓	✓
Swift support	✓	✓
Nova ephemeral storage	✓	✓
Keyless Data-at-Rest Encryption	×	✓
Replication	×	✓
Storage Quality of Service	X	✓
Consistency Groups	×	✓
External management	✓	×

#### **OpenStack Partnerships**















#### More Information...

Come chat at our booth whilst enjoying your coffee

