

# PURE STORAGE FLASHSTACK – HIGH PERFORMANCE AND SIMPLICITY FOR ORACLE SOLUTIONS

## Two FlashStack configurations:



FlashStack with Pure Storage FlashArray™ products for scalable, high-performance, all-flash infrastructure



FlashStack with Pure Storage FlashBlade™ products for data warehousing, analytics, or artificial intelligence (AI)

## The Challenge: Data Center Complexity

Your organization changes rapidly and depends on scalable, high-performance databases to drive business applications for online transaction processing (OLTP), data warehousing, and business analytics. Your team depends on you to provide copies of data on demand from these databases to serve development, testing, analytics, and business-continuity needs. You need infrastructure solutions that are highly available and that provide secure environments for multi-cloud deployments.

## The Solution: FlashStack Converged Infrastructure for Oracle Solutions

It's time to make IT infrastructure work for you. The Pure Storage® FlashStack™ solution is a flexible, all-flash converged-infrastructure solution that can massively improve the performance of your transactional Oracle® database workloads. It combines best-in-class compute and networking components from Cisco with Pure Storage all-flash storage in an integrated architecture that modernizes your operational model and keeps you ahead of business demands.

## Scalable, High-Performance, All-Flash Infrastructure

FlashStack converged infrastructure provides enterprise-grade reliability and performance coupled with consumer-level simplicity and efficiency.

### TRANSACT FASTER

FlashStack with FlashArray lets you accelerate and consolidate your Oracle environment with enterprise NVMe Express® (NVMe™) technology that enables secure high performance for all Oracle workloads. You can recover Oracle databases faster while eliminating 30–50% of your backup infrastructure.<sup>1</sup> You can also use snapshots to efficiently service multiple IT needs such as testing, development, and backups.

### MODERNIZE DATA WAREHOUSING AND ANALYTICS

Developed jointly with Cisco, the Pure Storage FlashStack converged infrastructure solution abstracts hardware into software for non-disruptive changes, allowing you to seamlessly deploy new technology without having to re-architect. You can refresh your aging Oracle data warehouses while jump starting your next-generation analytics initiatives using FlashBlade, part of the FlashStack portfolio. FlashBlade is a revolutionary storage solution for custom scalability, increased capacity, and intensive analytics workloads — including non-Oracle data types such as Apache® Hadoop® and Apache Spark™.

## REDEFINE BUSINESS CONTINUITY AND DISASTER RECOVERY

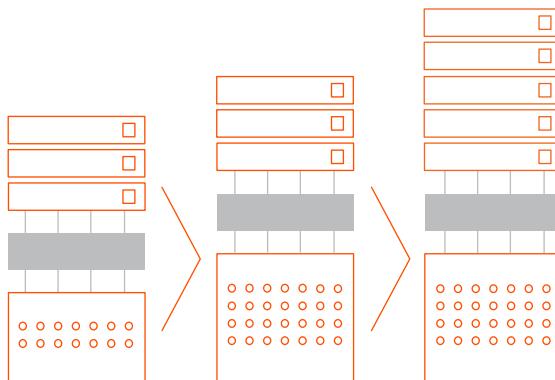
FlashStack delivers high availability (HA) by making use of Cisco® and Pure Storage technologies. Cisco UCS®, Cisco Nexus® switching with ACI Anywhere, and Purity ActiveCluster together provide these capabilities. Purity ActiveCluster, included with Pure Storage FlashArray solutions, is simple to set up and provides comprehensive recovery for efficient business continuity.

## LOWER THE COSTS OF USING ORACLE DATABASE

Deploy a fully tested, validated reference architecture for Oracle databases. No storage-tier planning or tuning is required. FlashStack with FlashBlade can deliver up to 3x faster analytics and save in total cost of ownership (TCO) — including licensing costs — compared to legacy purpose-built proprietary appliances.<sup>2</sup> You can also avoid expensive and disruptive forklift upgrades with Cisco UCS Infrastructure and Evergreen™ Storage by subscription. The Evergreen maintenance model keeps your technology current and your capacity at the right size, growing as your Oracle data needs grow.

## ARCHITECT ONCE, ADOPT NEW TECHNOLOGY NON-DISRUPTIVELY

- Fully modular and non-disruptive architecture
- Deploy new technologies seamlessly
- No need to rearchitect your data center solutions



### Superior Performance

- Eliminates storage I/O wait times. Boosted Oracle performance by 3X – No tuning required
- Eliminates time spent on constantly modifying database statements to boost performance



### Improved Developer Productivity

- Speeds app development – Makes full copies of app environments and provisions in seconds
- Requires less developer time spent managing and performance-tuning legacy applications



### Simplicity

- Reduces risk with pretested, validated, repeatable designs
- Ensures a consistent setup for all databases and Oracle RAC with Cisco UCS® Service profiles



### Improved Economics

- Reduces data for smaller storage and server footprint
- Eliminates the need to license Oracle compression and encryption

<sup>1</sup> Pure Storage. Simplify Production web page. [www.purestorage.com/why-pure/simplify-production.html](http://www.purestorage.com/why-pure/simplify-production.html).

<sup>2</sup> Pure Storage. "Modern Data Warehouse." 2018. [www.purestorage.com/content/dam/purestorage/pdf/Solution%20Brief/modern-data-warehouse.pdf](http://www.purestorage.com/content/dam/purestorage/pdf/Solution%20Brief/modern-data-warehouse.pdf).