SAP HANA SUPERCHARGED

Maximize the Power of SAP HANA with SAP-Certified
100% Flash Infrastructure

NEXT-GENERATION SAP

SAP HANA will enable a new generation of applications, capable of analyzing large quantities of data in real-time. HANA takes advantage of main memory (RAM) and the data processing capabilities of multicore processors to deliver better performance for analytical and transactional applications.

It's a powerful system, whose performance is directly tied to the performance of its underlying infrastructure – particularly its storage component. Traditional disk-based storage simply can't meet the performance needs of HANA and is inherently too complicated to manage.

POWERED BY PURE

Pure Storage FlashArray//m meets and exceeds the HANA challenge with consistent all-flash performance and multiple enhancements to HANA's capabilities – faster queries, faster restart times, additional data reduction, built-in encryption and backup & recovery – all at a cost that is often lower than that of disk-based and hybrid arrays. Even among all-flash vendors, no other storage platform comes close to the power, reliability, and economic advantage of Pure Storage.

HIGH PERFORMANCE & SCALABLE

- Enable 3x faster deployment of SAP Systems
- Achieve consistent sub-millisecond latency to eliminate performance bottlenecks
- Scale SAP deployments easily, without disruption

ENTERPRISE-GRADE

- Achieve 5 minute RPO's with FlashRecover Replication
- Provide > 99.999% uptime with highly available architecture, redundant components, and Pure 1 support
- Upgrade and expand non-disruptively
- Protect data with FlashRecover Snapshots and Replication

OPERATIONAL SIMPLICITY AND SPEED

- Reduce SAP backup operations by nearly 5x compared to traditional mechanical disks
- Centralize management with Pure Storage vSphere Plug-in
- Fully tested, validated, and documented for rapid deployment
- Simplify storage management with the Purity Operating Environment
- No storage tuning or tiers necessary

ECONOMICAL

- Support reporting services for multiple data warehouse copies with an average 1.9 – 2.3:1 data reduction
- Lower TCO with dramatic savings in power, cooling, management and space with 100% All-Flash
- Slash storage with industry leading data reduction
- Free yourself from forklift upgrades forever with investment protecting Evergreen Storage

PURESTORAGE®

Hello Possible™

ACCELERATE SAP HANA ANALYTICS

Power real-time decisions and business agility with all-flash.

3X FASTER QUERIES

Although SAP HANA maintains an in-memory database, query performance still depends heavily on storage performance. This is due to the fact that needed data is not always in memory. If SAP HANA is running out of memory, tables will be offloaded to storage and the needed tables loaded back into memory, presenting a potential bottleneck. With Pure Storage all-flash speed however, you'll maintain system performance, get 3x faster queries, and enable real-time decisions.

NO DELTA MERGE LAG

A critical function within SAP HANA is the transformation of data from delta storage, which is write optimized, to main storage, which is optimized for read performance and memory consumption. Query performance will decrease dramatically if storage cannot handle delta merge quickly and efficiently. Unlike disk-based storage, Pure Storage all-flash delivers no delta merge lag – which means SAP HANA operates with maximum efficiency and your business responsiveness and agility grow.

ADD POWER AND EFFICIENCY AT LOWER COST

MORE DATA REDUCTION

FlashArray//m can achieve an additional 1.9 – 2.3:1 data reduction beyond what HANA is capable of. That greater efficiency saves you money.

SAVE HANA CPU CYCLES

Turn off HANA's encryption. You can save HANA processing power (for more efficient Query processing) by using the more complete encryption provided by FlashArray//m.

8X BETTER RESTART TIMES

SAP HANA involves frequent system restarts. Accelerate system restart and failover times by 8x with FlashArray//m.

BACKUP AND RECOVERY INCLUDED

Fast and efficient snapshots are built-in and enable 6x faster backup and recovery operations.Achieve very low RTO and RPO, and get full automation. No need to invest in Backint tools!

LOWER OVERALL HANA COSTS

Lower your HANA costs without affecting Query performance. Dynamic Tiering allows you to separate cold and warm data, which you'll move to FlashArray//m, from hot data, which stays on SAP HANA.

FULLY SAP-CERTIFIED

Pure Storage FlashArray//m is now certified by SAP as an enterprise storage solution for the SAP HANA platform. Pure Storage participates in SAP's Tailored Datacenter Integration (TDI) option, which helps help customers in choosing compute, networking and storage components for SAP HANA.

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