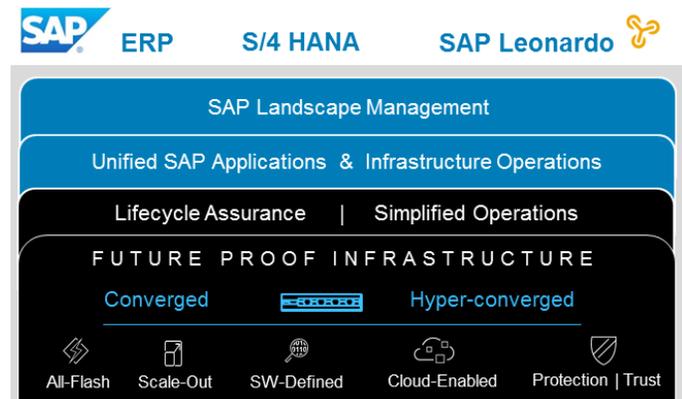# LOOKING TO RUN SAP IN AN ON-PREMISES CLOUD?

Redefine IT agility for SAP with Dell EMC

IT typically has several top of mind objectives for running SAP in a cloud operating model. First is reducing TCO for maintaining SAP ERP and BW through consolidation and automation of manually intensive IT processes. Second, IT needs to accelerate the time to value with S/4HANA as the system of record and system of innovation with SAP Leonardo powering intelligent business processes leveraging big data, machine learning and AI.

1 | Modern infrastructure architecture

Running SAP in a cloud operating model starts with a future proof infrastructure foundation designed to run traditional SAP ERP and BW with emerging intelligent applications powered by S/4HANA and SAP Leonardo. Key technology pillars underpinning Dell EMC's modern infrastructure platform include all-flash scale-up/out architectures, software-defined infrastructure, and cloud-enabled systems, all wrapped in protection and trust. *Dell EMC industry leading converged and hyper-converged platforms (which include SAP HANA certified hardware) make adoption of these pillars faster, simpler, and more efficient with less risk and cost.*

2 | Lifecycle assurance | Simplified operations

Regularly stabilized and optimized infrastructure with firmware/software upgrades is key to providing on-going lifecycle assurance so that SAP systems are running on compliant and healthy infrastructure. This includes simplifying infrastructure operations by monitoring infrastructure health holistically for SAP (compute, storage, network and virtual technologies) as a unified pool rather than as a collection of discrete components. *With our converged systems, Dell EMC has done all the heavy lifting so you can enjoy faster, simpler and less risky lifecycle assurance approach rather than trying to do it yourself.*

3 | Unified SAP applications and infrastructure operations

Providing a complete view of the health and performance of SAP systems and components is imperative for proactive remediation based in actionable explanations of underlying problems with recommended corrective actions. *Dell EMC converged/hyper-converged infrastructure working together with VMware and Blue Medora Management Packs provide "out-of-the-box" dashboards that deliver a holistic view of SAP systems and components.*

4 | Automating SAP landscape management

SAP Landscape Manager (LaMa) software enables the SAP basis administrator to automate SAP system operations including end-to-end SAP system copy/clone/refresh. As part of a cloud operating model, greater efficiencies can be achieved for virtual SAP systems when SAP LaMa leverages VMware workflows to execute VMware related operations. And for large SAP systems, Dell EMC storage assisted replication further accelerates system copy/clone/refresh by offloading compute cycles. *Dell EMC and VMware integration enhances automation and performance when SAP LaMa is running as part of a cloud operating model,*

5 | "Always-on" SAP

In today's consumer driven economy, the online experience means everything for acquiring and retaining loyal customers. Increasingly, SAP must be "always-on" to support e-business processes. *Dell EMC converged systems with VMware help enable continuous availability for SAP by reducing risk from single points of failure (SPOF) within the data center and across stretched metro-clusters.*

6 | Security and mobility for SAP applications

Virtualizing SAP systems has made a lot great things possible in reducing TCO and bringing agility to SAP landscapes. With cloud operating models, increasingly dynamic applications with demand the flexibility to move securely within and across remote locations. It is time to virtualize the network with enhanced security for mobile applications. *Dell EMC CI and HCI systems provide network virtualization with VMware NSX delivering networking and security in software. Compliant network security policies can now be defined at the SAP VM level in the context of the SAP application, user, and workload.*

7 | Reduce risk / accelerate time to value with Dell EMC Services

Whether you are managing it on your own or working with partners to transform and run SAP in a cloud operating model, IT transformation means changes to *infrastructure*, *applications*, and your *operating model*. Dell EMC consulting services bridge the gap between technology and transformation, partnering with your business to plan to execute on your IT transformation for SAP.

8 | Global SAP Center of Excellence

Looking to jumpstart your IT transformation project for SAP? How about exploring demonstrations of the SAP HANA and SAP Leonardo platforms, including access to test systems to size your projects? Leveraging the capabilities of our Global SAP Center of Excellence (CoE) including state-of-the-art high-end systems certified for SAP HANA, your IT leaders can consult with our experienced SAP team globally. Located at SAP's worldwide headquarters campus in Walldorf, Germany, the Global SAP CoE can be accessed through scheduled engagements virtually or on-site to help your organization reduce project risks and enable your success in the digital economy with SAP.

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