POWER SAP LANDSCAPE MANAGEMENT (LAMA) WITH DELL EMC STORAGE

Simplify and accelerate system copy, clone and refresh for SAP systems

ESSENTIALS

Increased Productivity

- Provides automation and orchestration of system clone, copy and refresh operations
- Frees admins to focus on higher-value work versus post copy system specific tasks
- Provides more copies on demand by leveraging Dell EMC Snapshots

High Performance

- Copies data faster with no CPU overhead on the production SAP database server
- Delivers full copies with the performance of SAP production instances

Lower costs

- Reduces cost of storage for SAP copies via highly efficient data-reduction intelligence
- Enables instant provisioning of SAP copies with near zero net-new storage

Cut time, costs and complexity for SAP system provisioning

One area that’s ripe for simplification is SAP system clone, copy and refresh operations. SAP Basis Admins spend a great deal of time creating and managing copies of SAP production systems to support development, test, QAS and training environments. The process can be time consuming with the average time to copy/refresh a system taking up to 10 business days. Challenges include:

- Coordination among storage, server and virtualization teams.
- Manual time-consuming complex post-processing steps.
- Risk of manual errors and quality of copy/refresh.
- Large data footprints leading to increased storage costs.

These challenges are why, despite the need for SAP production copies, it’s common for organizations to make copies only once or twice a year. Unfortunately, this slows innovation and increases the risk of data inconsistencies and corruption.

Enable IT agility managing SAP Landscapes in the digital era

In the digital era, enabling business agility to better support new initiatives while controlling costs is priority number one. Today, though, the CIO’s biggest challenge is the 80/20 trap with 80% of (flat) IT budget trapped in operations and maintenance with only 20% left for innovation work. Thus it is not surprising that simplifying management of complex SAP landscapes is a top priority.

Dell EMC Solution with SAP Landscape Management

The Dell EMC solution brings the power of SAP Landscape Management (LaMa) software together with Dell EMC array-based local and remote replication software to enable a powerful management platform to simplify management of SAP systems.

- SAP LaMa provides the central management dashboard to orchestrate and manage the end-to-end process including post copy automation (PCA).
- Dell EMC Storage Integrator (ESI) adapter enables SAP LaMa to leverage powerful array-based replication to deliver high performance full source copies with economical space saving snapshots.
Solution benefits:

As SAP environments can have dozens of non-production systems, like development, training and sandbox, automating management of SAP system copies by using a trusted storage-based cloning technologies, saves significant time and effort, reducing the Total Cost of Ownership (TCO) of an SAP landscape including:

- Increased productivity by enabling SAP Basis Admins to focus on higher value work versus time consuming, error prone manual tasks
- Faster delivery of high-performance copies with minimal-to-no impact on production
- Lower costs by reducing the size of storage footprints for SAP copies via highly efficient data-reduction intelligence.

The Dell EMC storage manager adapter supports SAP systems in both physical and virtual environments based on Dell EMC storage arrays, using Virtual Machine Disks (VMDKs) or physical raw device mapping (pRDMs).

### Dell EMC Storage Administration Console and Storage Manager for SAP LaMa

Dell EMC’s storage administration console and storage manager plug-in for SAP LaMa are delivered as an appliance. For VMware, a virtual appliance is available for download. A physical appliance is available with Dell PowerEdge R640 server.

#### Storage Platforms

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Dell EMC’s PowerMax provides unprecedented power and scale for consolidation, automation, and intelligent operations for mixed SAP and non-SAP workloads.

SAP LaMa integration with PowerMax accelerates end-to-end automation of repetitive, time-consuming tasks for SAP system copy / refresh locally with advanced snapshots capabilities of its SnapVX or remotely with SRDF/S.

In addition to PowerMax, SAP LaMa integration is available with All-Flash VMAX3 and XtremIO X1 storage and VxBlock 1000 with PowerMax.

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**DELL EMC VALIDATED USE CASES**

- System cloning
- System copy
- System refresh
- Start, stop, relocate systems
- Landscape visualization
- End-to-end visibility and monitoring

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Learn More about Dell EMC SAP solutions  

Contact a Dell EMC Expert

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1 Source: SAP TechEd 2017 Session S4H204  
2 Source: SAP TechEd 2015 Session ITM2013