Migrating SAP to the cloud: Do’s and Don’ts

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Infrastructure Design Considerations

- What is going to be my sizing and how does it match with offerings?
  - Check the cloud sizing guidelines (SAP Notes 1928533 for Azure)
- What is going to be my network design strategy?
  - VNET design
  - Cloud access method (Express routes, S2S VPN)
  - IP addressing
- What is going to be my storage design?
  - IOPS and throughput consideration
- What is going to be my compute sizing?
  - Differs for DB layer and application layer
Interface Latency Design Considerations — Questions To Be Answered

• What are the critical interfaces connecting to the systems moving to cloud?

• What are SAP systems that are closely connected with each other?
  
  • Examples:
    
    • SAP APO/SCM <-> SAP ECC
    • SAP ECC <-> SAP BW
    • SAP HANA side car <-> SAP BW and SAP ECC
    • Vertex <-> SAP ECC

• Understand the impact and take required measures

• Recommendation ... singlecloud
### Migration Methodologies

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Cloud Migration Learnings

- Understand the caveats (such as network bandwidth configuration and routing) with network design for system refreshes, etc.

- Ensure to have appropriate disk configuration

- Compute size does not just dictate vCPUs and Memory, in Azure, it also limits network and storage throughput

- Mock migration runs

- HANA scale-out migrations using HSR – consideration

- As much possible confine to homogenous moves

- Decide on cloud region strategy, not all services are available in all regions

- Have consistent cloud resources naming strategy
Cloud Migration learnings – Multiple export / import servers

Customer examples and resources

Large Australian Energy Company Modernizes SAP Applications & Moves to Azure

4 TB Oracle / AIX platform migration to M-Series HANA on Azure (In-flight)
- Using DMO with system move option Public Cloud

SAP Migration whitepaper
Wrap-up