

SAP HANA Scale-Up



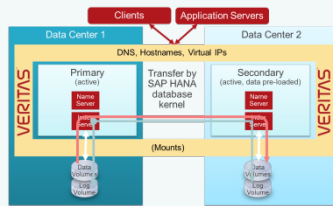
- SAP HANA installed on a single server
- Database fits into RAM of server
- For OLTP (ERP) or smaller OLAP (BW) workloads



- No host auto-failover for native high availability

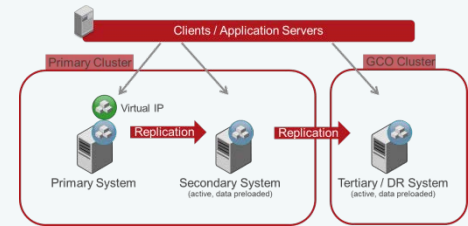
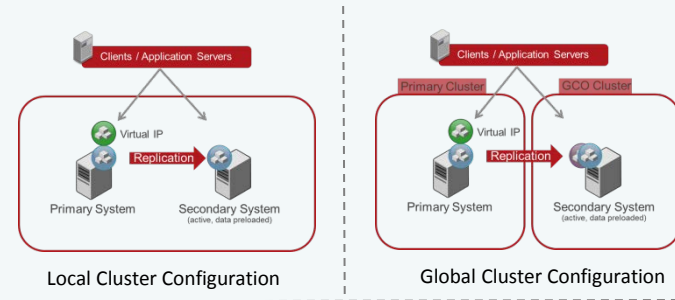
SAP HANA System Replication Automation with InfoScale

- for local high availability
- for disaster recovery
- Automatic failover
- Integration with VBS



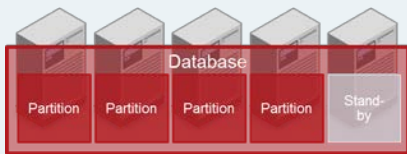
Configuration in InfoScale environment

- Local cluster: InfoScale supports System Replication from primary node to secondary node in the same cluster, for local high availability
- 2+1 in GCO: Three replicated, single-node SAP HANA systems, where one system is in GCO and the other two systems are in the local cluster
- GCO: System Replication from primary node to secondary node across sites
- Virtual IP for client access
- Automatic re-registration



Multiple Secondaries in Local and Global Cluster Config

SAP HANA Scale-Out



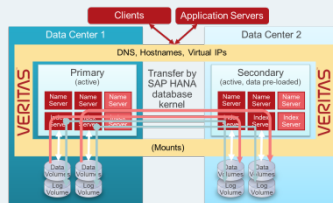
- SAP HANA installed on several servers
- Database distributed across servers
- For large OLAP workloads (BW)



- Native high availability with host auto-failover

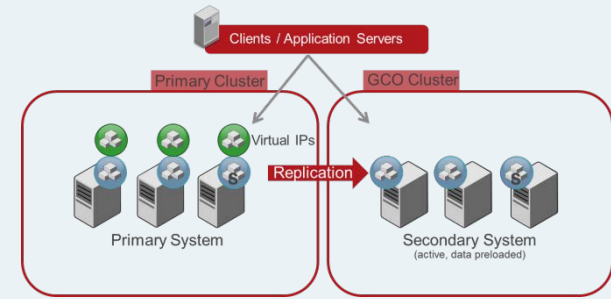
SAP HANA System Replication Automation with InfoScale

- for disaster recovery
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Configuration in InfoScale environment

- GCO: InfoScale supports two SAP HANA database systems in Scale-Out deployment, replicated with SAP HANA System Replication across two sites
- Does not interfere with SAP HANA native host auto-failover for local high availability
- Virtual IPs for client access (all nodes)
- Automatic re-registration to restore redundancy



Global Cluster Configuration