gbs
Soluciones de Negocios

Oracle Database EE e SE: High Availability & Disaster Recovery

Miguel Palacios

Director & IT Solutions Architect

Oracle ACE Database & Performance

Oracle Expert Certified

President of Perú Oracle Users Group

miguel.palacios@gbs.pe

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My Profile: Miguel Palacios

- **Director of Global Business Solutions Peru (www.gbs.pe)**
- **IT Solutions Architect**
- **President of PERU Oracle Users Group (www.peoug.org)**
- **Oracle ACE Database & Performance (otn.oracle.com)**
- **OCP9i, OCP10g, OCE10g, OCE11g, etc.**
- **Oracle Expertise:**
  - **15+ years Managing Oracle Database Solutions & Performace**
  - **10+ years IT Solutions Architect with focus on High Availability & Disaster Recovery**
  - **Oracle Database Beta Tester since 2006**

Lima, Perú

Oracle Database Editions (EE vs SE)

	 Oracle Database Express Edition Download Now	 Oracle Database Standard Edition One Price Now	 Oracle Database Standard Edition Price Now	 Oracle Database Enterprise Edition Price Now
Maximum	1 CPU	2 Sockets	4 Sockets	No Limit
RAM	1GB	OS Max	OS Max	OS Max
Database Size	11GB	No Limit	No Limit	No Limit
High Availability				
Oracle Active Data Guard				Option
Data Guard				●
Performance and Scalability				
Oracle Real Application Clusters			●	Option
Oracle Real Application Clusters One Node				Option

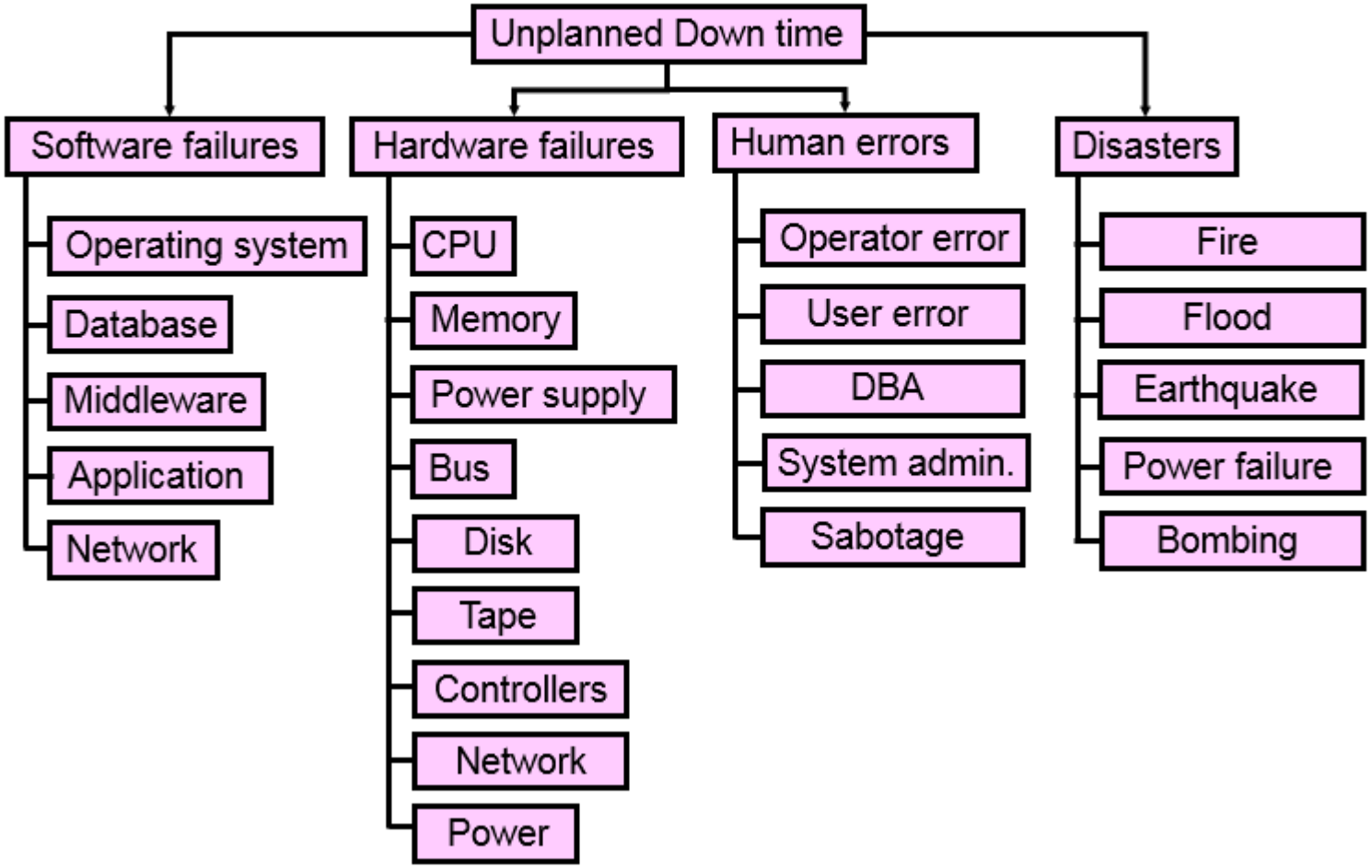
Option = Extra Cost ● = Feature included

¿What Motivates you?

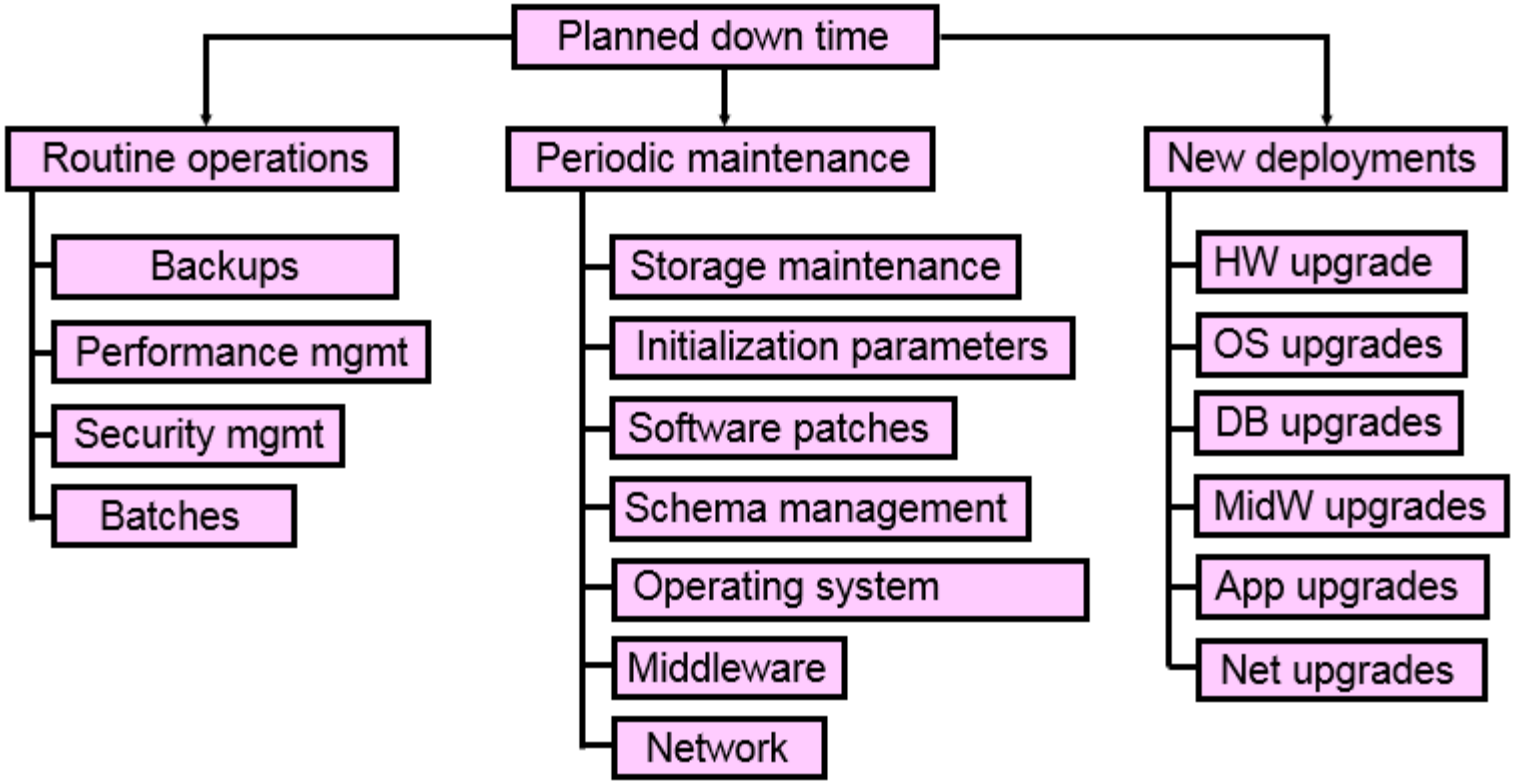
1. Earthquakes, Power supply failure, Datacenter failure, Security issues…Do you need to improve the availability and recoverability of your critical IT services?
2. With business growth: ¿Do you need to improve system scalability?
3. About security: ¿Do you have identified security vulnerabilities in its platform?
4. About IT regulations: Do you have regulations or rules relating to compliance with the availability of your systems ?
5. Anything else?

Causes of Downtime?

Causes of Unplanned Down Time



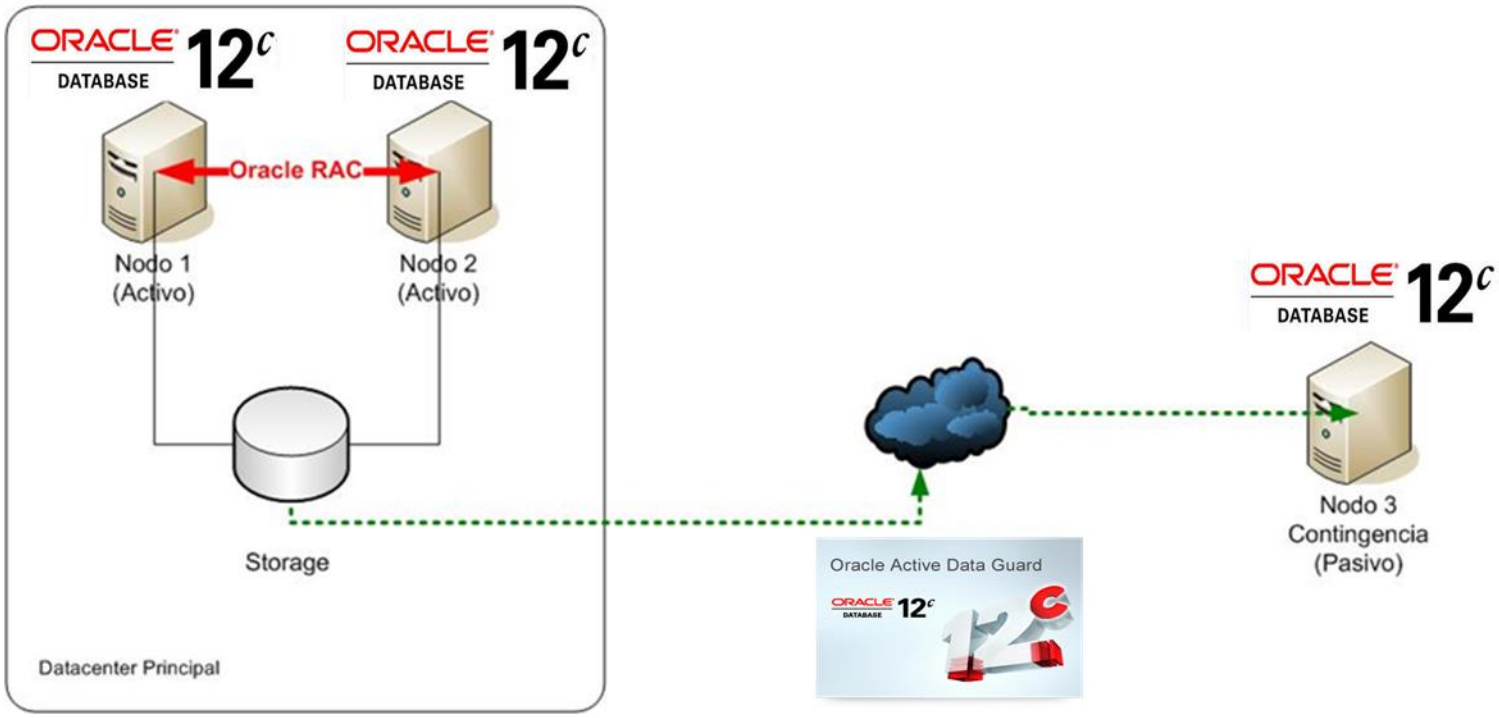
Causes of Planned Down Time



Alternatives for Business Continuity:

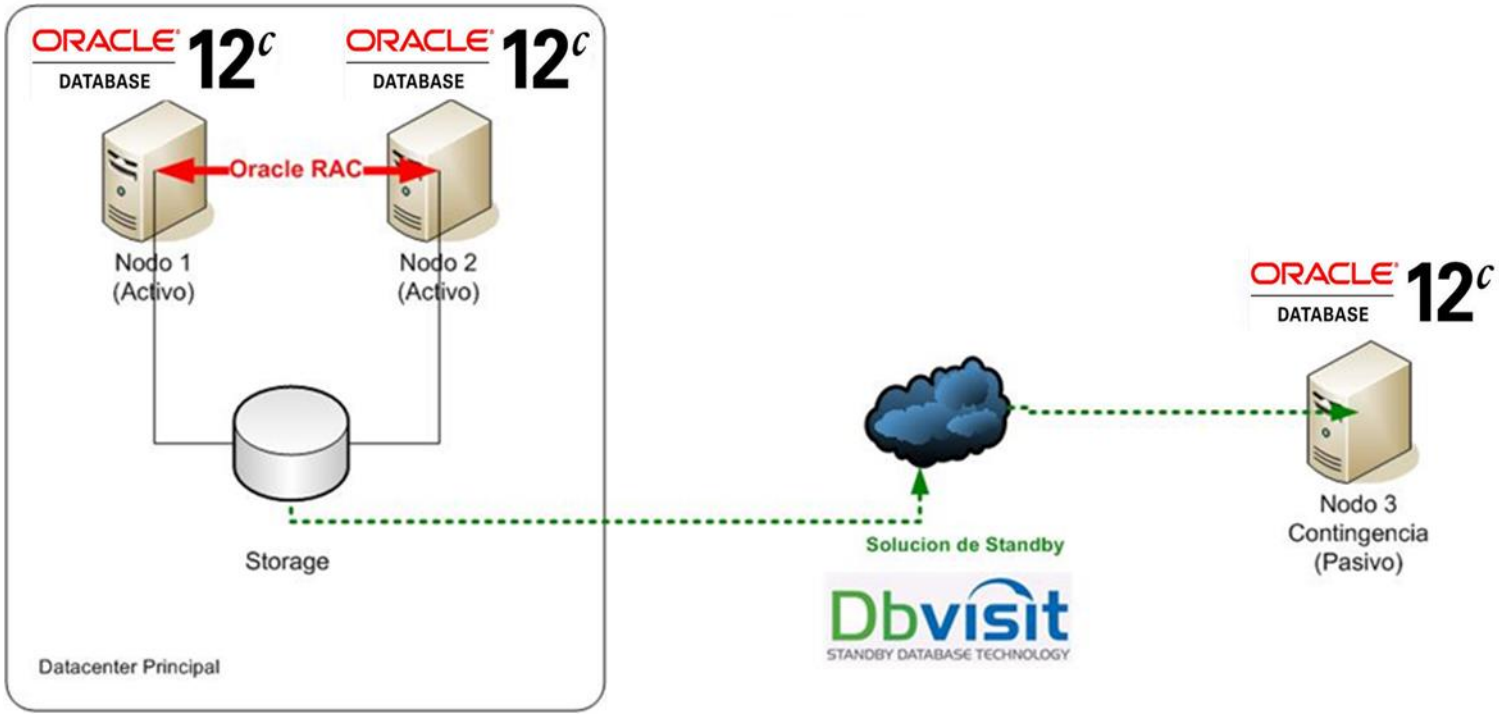
1. Maximum Availability Architecture (MAA)
2. High Availability (HA)
3. Disaster Recovery (DR)

MAA with Oracle Database EE



1. Primary Site with Oracle Database EE with RAC Option (“unlimited” nodes). Main purpose is for Load Balancing with HA
2. Secondary Site with Oracle Database EE with RAC Option (“unlimited” nodes) or Oracle Database EE Single Instance (no RAC Option). Main purpose is for Disaster Recovery
3. Oracle Active Dataguard replicates data from Primary to Secondary Site

MAA with Oracle Database SE



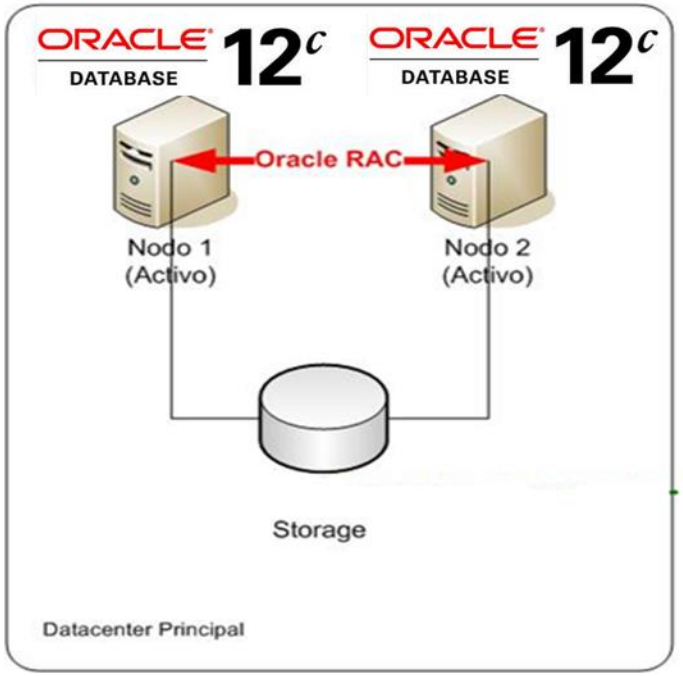
1. Primary Site with Oracle RAC SE (max 4 sockets cluster). Main purpose is for Load Balancing with HA
2. Secondary Site with Oracle RAC SE (max 4 sockets cluster) or Oracle Database SE Single Instance (max 4 sockets server). Main purpose is for Disaster Recovery
3. Dbvisit software replicates data from Primary to Secondary Site

What is Dbvisit?

Solution for your Oracle® disaster recovery needs
Standby database for Oracle® Standard Edition

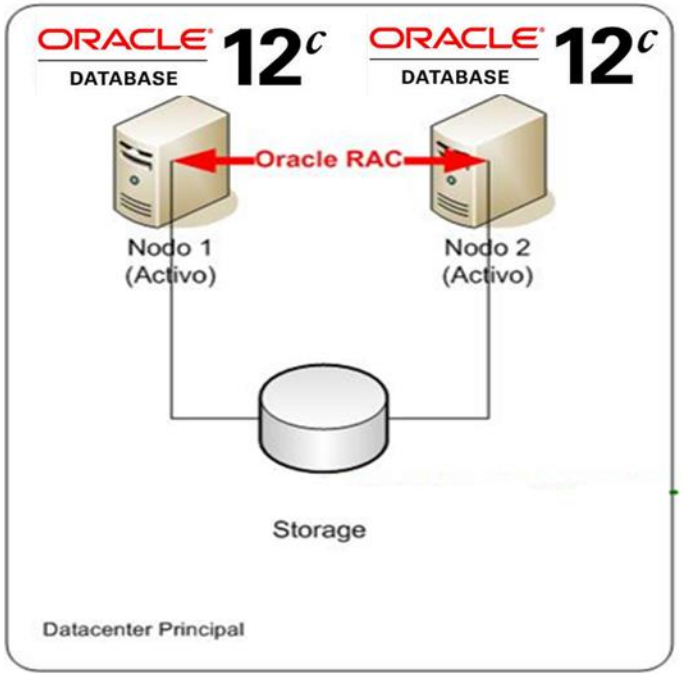
Real-time Oracle data & database replication
Real-time replication across Oracle® & non-Oracle® databases on different OS platforms

HA with Oracle Database EE



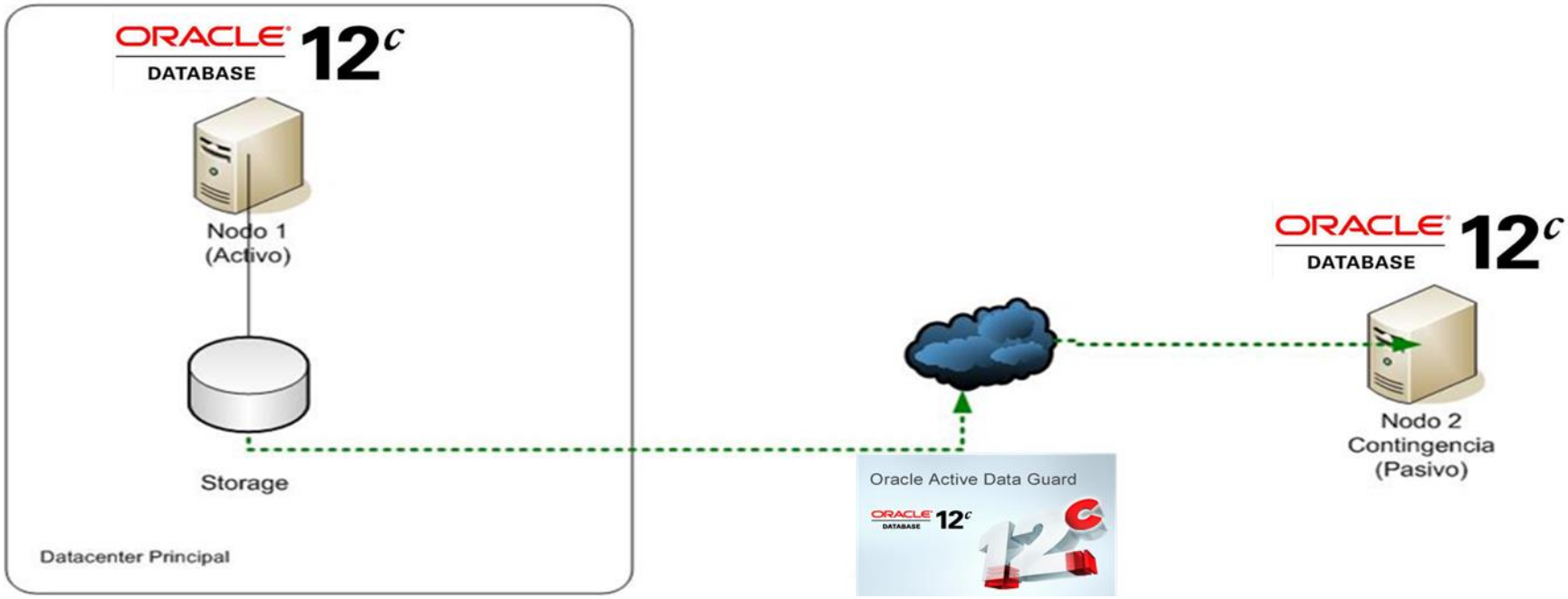
1. Primary Site with Oracle Database EE with RAC Option (“unlimited” nodes). Main purpose is for Load Balancing with HA
2. No Secondary Site, but for sure…very well managed database backups for primary site.

HA with Oracle Database SE



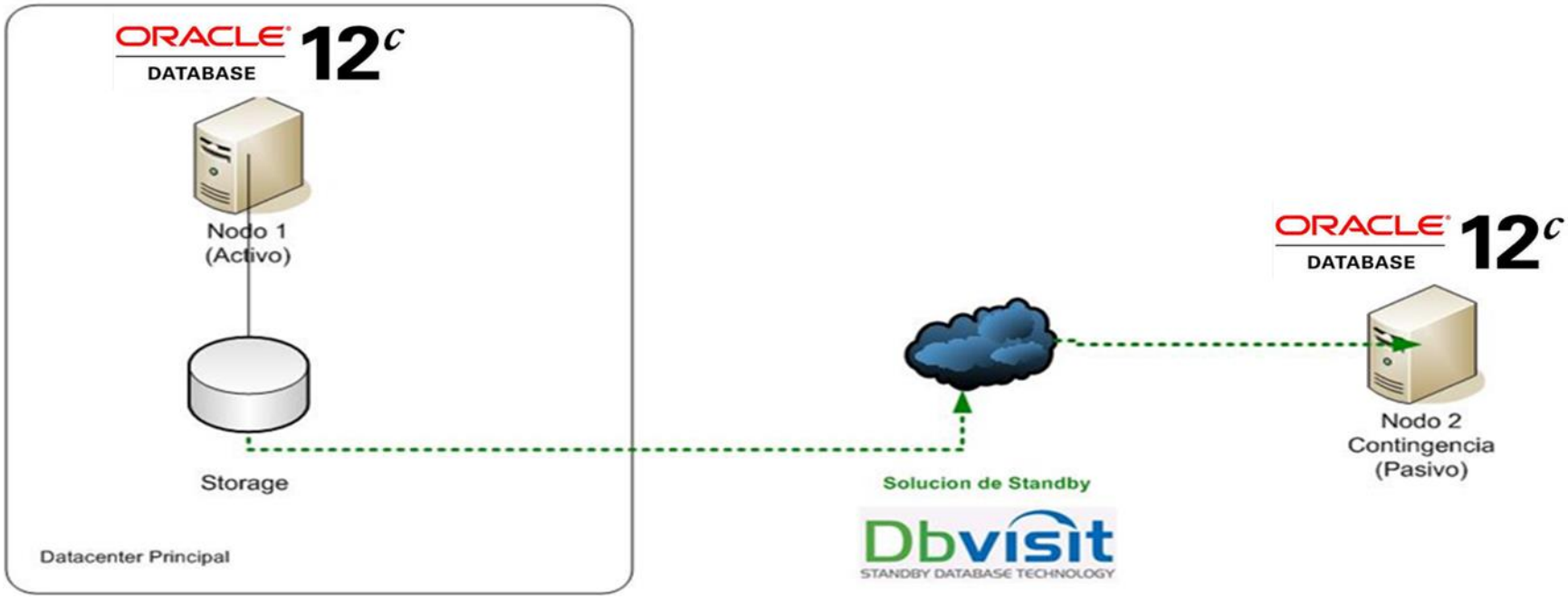
1. Primary Site with Oracle RAC SE (max 4 sockets cluster). Main purpose is for Load Balancing with HA
2. No Secondary Site, but for sure…very well managed database backups for primary site.

DR with Oracle Database EE



1. Primary Site with Oracle Database EE Single Instance (no RAC)
2. Secondary Site with Oracle Database EE Single Instance (no RAC). Main purpose is for Disaster Recovery
3. Oracle Active Dataguard replicates data from Primary to Secondary Site

DR with Oracle Database SE



1. Primary Site with Oracle Database SE Single Instance (max 4 sockets server)
2. Secondary Site with Oracle Database SE Single Instance (max 4 sockets server). Main purpose is for Disaster Recovery
3. Dbvisit software replicates data from Primary to Secondary Site

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