IBA Institute of
Business Administration
Karachi
Leadership and Ideas for Tomorrow

Scope of Work

RFQ - 1619 - 5592 - Implementation of Red Hat Enterprise Linux (RHEL) & Oracle Real Application Clusters (RAC)

Oracle RAC setup for Oracle 19c

i-   Details of Scope of Work (successful service provider's implementation team):

1. OS Installation (RHEL 8.x with latest patch).
2. OS Hardening and Tunning for Database environment.
3. Implement Oracle Real Application Clusters (RAC) configuration for high availability.
4. Install Oracle Database 19c software on the RAC environment.
5. Configure database parameters for optimal performance.
6. Restore/Update to Oracle 19c.

ii-   Details of Scope of Work (IBA's Information System team):

1. Configure NIC bonding for network redundancy.
2. Multipath configuration for redundant Storage availability.
3. Perform a backup of the Oracle 11g database.
4. Set up tablespaces and other storage considerations.
5. Configure interconnects and shared storage for seamless cluster communication.

iii-   Pre-Requisite:

1. Oracle enterprise edition license required for RAC setup.
2. At least 02 NIC required for network bonding, another NIC required for DB access.
3. Redundant storage connectivity through FC/FCOE required for RAC.
4. Healthy backup required from 11g.
5. IP requirements.
   a. 02 physical IPs for both nodes.
   b. 02 Virtual IPs for both nodes.
   c. 03 IPs for SCAN.
   d. 02 private IPs for RAC Interconnect.
   e. Hostnames must be resolved on network.

iv- <u>Out of Scope Services / IBA's responsibility:</u>

1. Application connectivity configuration and compatibility are not included in our scope.
2. Procedures or functions that were functional in Oracle 11g but are now deprecated or incompatible with Oracle 19c fall.
3. Oracle License and Red Hat premium support licenses of quantity 02 is responsibility of IBA.
4. Oracle support must be active / present to open support ticket in case of any issue.