TRP LOON Logical Storage Connectivity
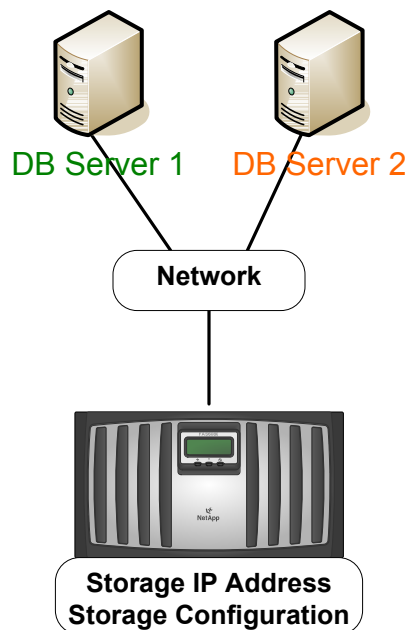
Original LOON connectivity to physical storage
(Only 2 DB servers depicted for brevity)

Oracle Servers
- RAC or standalone.
- Layer 2 storage connectivity.
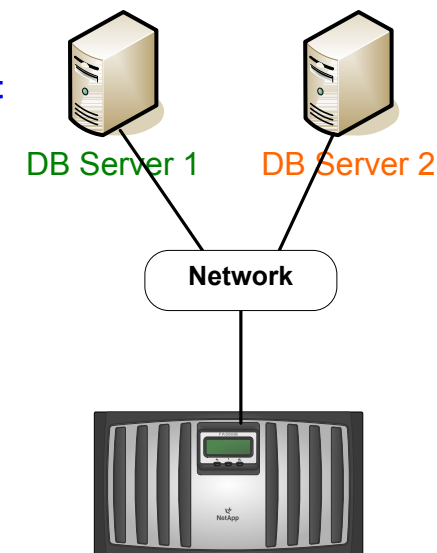- Hot backup scripts connect to physical storage via ssh to create snapshot of dB.

DB Server 1   DB Server 2

Network

NetApp Storage
- Typically one IP address per physical storage system for DB access.
- Configuration data is kept on physical storage system

**Storage IP Address
Storage Configuration**

DB volumes
- DB volumes are all accessible via physical storage system IP address.

db1_nosnap volume

db1_snap volume

db2_nosnap volume

db2_snap volume

New LOON connectivity to storage in vFilers
(Only 2 DB servers depicted for brevity)

Oracle Servers
- RAC or standalone.
- Layer 3 storage connectivity.
- Use of ssh to create snapshot of DB is not yet supported with vFilers.
- Hot backup scripts connect to vFilers via NetApp APIs to create snapshot of DB using vfilercmd script instead of ssh.

DB Server 1   DB Server 2

Network

NetApp Storage
- Use of vFilers (virtual filers) to enable data mobility without impact to the DB or application.
- Typically one IP address per vFiler for DB access.

vFiler 1
vFiler 1 IP Address
vFiler 1 Configuration

db1_nosnap volume

db1_snap volume

DB volumes
- DB volumes are accessible via vFiler IP address.
- Configuration data related to DB volumes is kept within the vFiler.

vFiler 2
vFiler 2 IP Address
vFiler 2 Configuration

db2_nosnap volume

db2_snap volume