Who Doesn’t know BofA

- Largest bank holding company in the USA and second largest by market capitalization.
- Serves Clients in more than 150 countries
- Relationship with 99% of the US Fortune 500 companies
- Relationship with 83% of the Fortune Global 500 companies
- World’s largest Wealth Manager and major player in the Investment Banking Industry.
- FDIC Member and component of both S&P 500 Index and Dow Jones Industrial Average.
About Me..

- Wonderful 13 years in IT Industry primarily as Oracle DBA
- Working for Bank of America as VP of Product Management
- Responsible for Database Product Management (Oracle)
- Frequent Speaker at various conferences (OOW, IOUG and so on)
- Represents BofA on various Oracle CABs
- Board of Director on IOUG Exadata SIG
- Member of IOUG Support Council
Oracle Footprint

- 1000’s of Oracle Databases


- Oracle Database 11g Release 2
  - The bank’s core RDBMS version as of July 1
  - 11gR2 upgrade ramping now, 10% of databases upgraded
Oracle MAA Fully Deployed

- Oracle RAC
- ASM
- Data Guard
- GoldenGate
- Streams
- Flashback Database
- Recovery Manager
- Fast Recovery Area
- Grid Control
Seven Application Tiers

- Tiers 0 and 1
  - Full MAA configuration
- Tiers 2 through 6
  - Single instance MAA configurations (non-RAC)
- Business continuity implemented for all tiers
  - Data Guard is implemented on 99% of all production databases
  - GoldenGate is used for multi-master configurations
    - e.g. one critical in-house application with 3-way replication between continents
Oracle Database 11g Release 2 Plans

- **RAC One Node**
  - Consolidate multiple single-instance databases on a single cluster
  - Utility computing that reduces cost and enhances service level
  - Exadata Database Machine is proving to be the ideal platform
    - Four Database Machines already in-house

- **Active Data Guard**
  - Increase return on investment in DR systems

- **GoldenGate**
  - For Tier 0 and 1 applications suited to multi-master deployment

- **Oracle Advanced Compression**
  - Storage savings
It would be difficult for the Bank of America to meet its availability and data protection requirements without the Oracle Maximum Availability Architecture.