Oracle DBA 1.0 vs 2.0

A *reality* focused Panel Discussion

Where does the rubber meet the Road

New School and Old School DBA

Techniques and Tools

September 23, 2010

The Team

- The Eagle Business Solutions Panel
  - Dan Elliott, DBA
  - Rick Brown, DBA
  - Harry Brewster, DBA
  - Chuck Egerter (not a DBA)

Overview and History

- In the Summer of 2009 Oracle and Eagle Hosted an event at Ruth's Chris focusing on Management Packs and the concept of "DBA 2.0 vs. DBA 1.0"
- Tonight's meeting is a revisit of the promise of DBA 2.0 vs. the reality.
- The Panel before you will go through a variety of scenarios and discuss pros and cons of each approach

Quick Review… Concepts

- DBA 1.0
  - ‘Old School’ methods and approach
    - Command line
    - Home Grown ‘Tool Box’ of Scripts
  - Knowledge of Database inner-workings is a **MUST**
  - “Don’t fix it (or change it) if it ain’t Broke!”
  - Troubleshooting and Diagnostics are manual and time consuming

Quick Review… Concepts

- DBA 2.0
  - GUI focused
  - Automation via Point and Click
  - Leverage GRID/OEM as much as possible
  - Detailed knowledge of Database inner-workings is also key, but not necessarily the focus
  - Requires installation and configuration of Grid Control and Agents
    - Grid, OEM, DB Console

Topics & Tasks to be Discussed

- Backup and Recovery
- Performance Analysis and Tuning
- Data Guard
- Audience Topics and Tasks
- DBA 3.0 Concepts

Backup & Recovery

	Description	Pros	Cons
DBA 1.0	•User Managed Hot or Cold •RMAN Scripts	•Reliable •Simple •RMAN adds powerful options	•Limited Options without RMAN
DBA 2.0	•RMAN via Grid	•Centrally Managed •Easy to use point and click •Reliable via GRID •Point in Time Recovery	•Requires OEM to be up •Not reliable via DB Console

Performance Analysis &Tuning

	Description	Pros	Cons
DBA 1.0	•Script and Command line driven	•Scripts don't require additional Licenses •Allows for more creative approach	•Requires intimate knowledge
DBA 2.0	•Click on the "big stuff"	•Faster •Intuitive •Advisors •Out of the Box Historical Analysis	•Can't use "The Good Stuff" without licenses.

Data Guard

	Description	Pros	Cons
DBA 1.0	•Manual process •Command Line	•Reliable	•Extremely time consuming •More opportunity for user error. •Monitoring requires significant effort
DBA 2.0	•GUI Point and Click	•Awesome when it works •Easy Monitoring	•Troubleshooting is painful •Not well supported by Oracle

Audience Topics & Tasks

DBA 3.0

- The many hats of DBA 3.0
  - Storage Admin
    - ASM
    - SAN
  - O/S Admin
    - Oracle Enterprise Linux
    - Windows shops are running Oracle on Linux
  - Network Admin
    - RAC Interconnect
    - SCAN
    - Different Network Protocols
  - Hypervisor / Virtualization Admin
    - Databases are being Virtualized

Wrap Up

- Key points
  - Blended approach
  - DBA 1.0 and DBA 2.0 are not People they are concepts that everyone can use.
  - Some things work better than others
  - Myth Busters