

Congratulations! You're the New DBA. Don't Panic!

OOUG

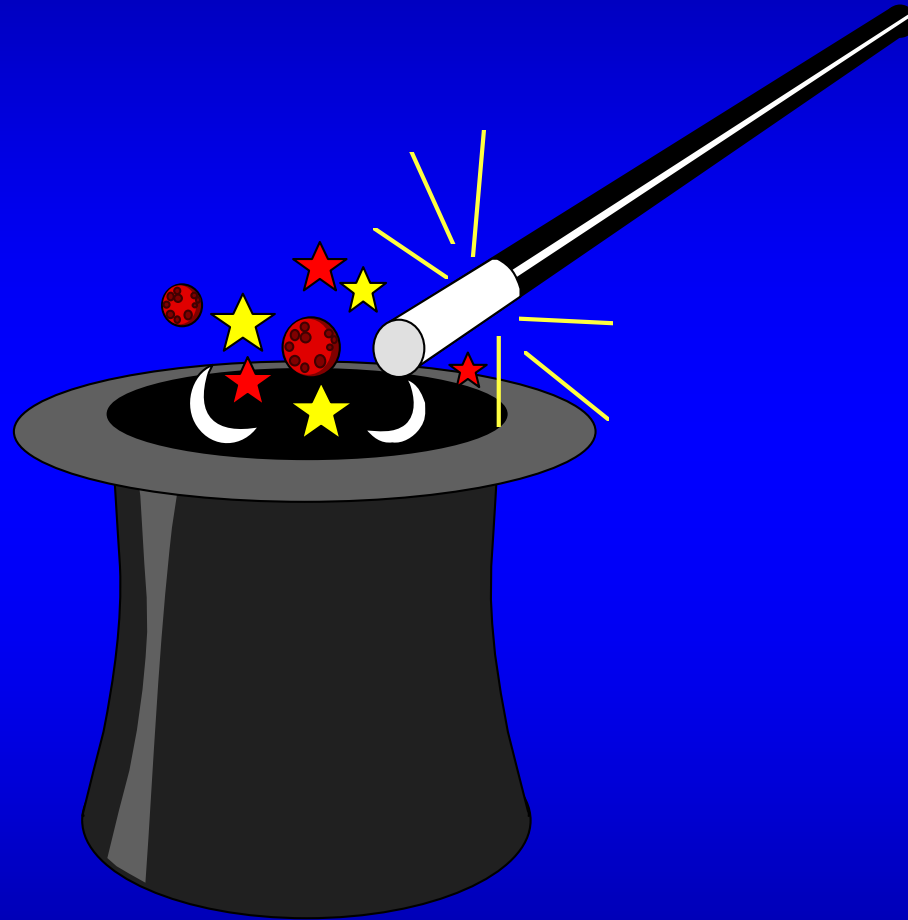
July 16, 2001

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**Congratulations! You're the New DBA. Don't
Panic!**



Congratulations! You're the New DBA. Don't Panic!

➤ Learning the Environment

✉ Oracle Database

↓ How many databases

↓ Which versions of Oracle

↓ Which products are installed

✓ Windows: `$ORACLE_HOME\orainst\nt.rgs`

✓ Unix: `$ORACLE_HOME/orainst/unix.rgs`

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➤ Learning the Environment

✉ Oracle Database (con't)

↓ Locations Of the important files

- ✓ Init.ora
- ✓ Oratab
- ✓ Listener.ora
- ✓ Tnsnames.ora
- ✓ Sqlnet.ora

↓ What is OFA and why do you care?

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➤ What is OFA?

```
/
  app/
    oracle/ -----$ORACLE_BASE
      admin/
        proddb1/ -----$DBA
          cdump/
          arch/
          bdump/
          udump/
          exp/
          log/
          pfile/
        product/
          8.1.6/-----$ORACLE_HOME
            . . . all directories containing
the Oracle 8.1.6 installed products
```

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➤ What is OFA?

```
usr/  
  local/  
    bin/  
      coraenv  
      dbhome  
      oraenv  
      dbstart  
      dbshut  
      dbswitch  
      dbsid
```

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➤ What is OFA?

```
var/  
  opt/  
    oracle/  
      oratab  
      listener.ora  
      tnsnames.ora
```

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➤ OFA Tablespaces

Tablespace Name	File Name
SYSTEM	SYSTEM01.DBF
RBS	RBS01.DBF
TEMP or TEMPORARY	TEMP01.DBF
TOOLS	TOOLS01.DBF
USERS	USER01.DBF
DATA	DATA01.DBF
INDEX	INDEX01.DBF

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➤ Learning the Environment continued...

✉ Software Installation

- ↓ Read the README!
- ↓ Check for available patches
- ↓ Decide beforehand if you want Oracle to:
 - ✓ Create a default database
 - ✓ Relink “application software”
 - ✓ Configure listener and intelligent agent

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➤ Learning the Environment continued...

✉ Software Installations

- ↓ Create a small, default database
 - ✓ Verifies the installation
 - ✓ View what's changed
 - ✓ See current naming convention
 - ✓ "Sandbox" to "play" in

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➤ Learning the Environment continued...

✉ Hardware and Operating System

- ↓ Which Operating System
- ↓ OS Parameters That Affect Oracle
 - ✓ Shared Memory Segment Size
 - ✓ Number of Semaphores
- ↓ Disks
 - ✓ Number and Size
 - ✓ Striping

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➤ Learning the Environment continued...

✉ Application

- ↓ Uptime Requirements
- ↓ Space Growth Projections
- ↓ Frequency of Changes

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➤ You Need to Develop Some Strategies

✉ Backup and Recovery

↓ What kinds of backups

- ✓ Hot
- ✓ Cold
- ✓ Export

↓ Standby Database

↓ Replication

↓ OPS

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➤ You Need to Develop Some Strategies

✉ To Archive or Not To Archive

- ↓ Downtime Available For Backups
- ↓ Point-in-time Recovery Required?

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➤ You Need to Develop Some Strategies

✉ When Can I Take the Database Down

↓ Planned Maintenance

- ✓ Operating System Upgrades
- ✓ Database Software Upgrades
- ✓ Application Changes

↓ Partial Access Possible?

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➤ Daily Procedures

- ☒ Verify All Instances Are Up
- ☒ Check the Alert Logs
- ☒ DBSNMP Processes
- ☒ Verify Backups Were Successful
- ☒ Review All Scheduled Jobs
- ☒ Monitor Archive Log Disks

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➤ Daily Procedures continued...

- ☒ Monitor Disk Capacity

- ☒ Remove Unnecessary Files

- ☒ Monitor Locking

- ☒ Monitor Extents

 - ↓ Max Extents

 - ↓ Next Extent

- ☒ Tablespace Usage

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➤ Daily Procedures continued...

✉ Session and User Information

- ↓ Total Sessions
- ↓ Accounts with DBA privilege
- ↓ Total Active Sessions
- ↓ Total Sessions By Account
- ↓ Open Cursors Per Session
- ↓ Statistical Information By Session

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➤ Daily Procedures continued...

✉ Stored Objects

↓ Invalid Objects

↓ Generated DDL for Stored Objects

✉ Exports

↓ Data

↓ Database DDL

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➤ Daily Procedures continued...

✉ Overall Database Statistics

- ↓ Basic Performance Scripts
- ↓ Customized Bstat/Estat Scripts
- ↓ Analyzing Database Objects

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➤ Periodic Procedures

- ✉ Test Backups
- ✉ Test Recovery Procedures
- ✉ Reviews With Developers
- ✉ Educate Yourself
 - ↓ New software features
 - ↓ Bugs and solutions
- ✉ Review Statistics

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➤ Websites

✉ technet.oracle.com

✉ www.oracle.com/support

✉ www.lonyx.com

✉ www.ixora.com.au

✉ www.lazydba.com

➤ Email Lists

✉ **Oracle-L** (send email to ListGuru@fatcity.com, with subscribe ORACLE-L <your name> in the body of the mail)

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➤ In Summary:

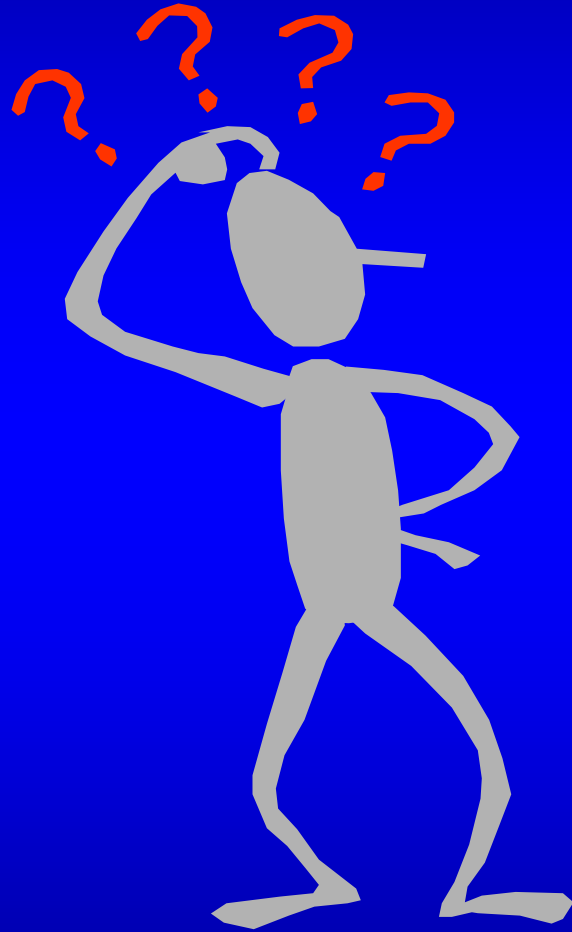
- ✉ Learn the Environment!
- ✉ Make and Test Backups Regularly
- ✉ Manage User Expectations
- ✉ Monitor Everything
- ✉ Play With the New Features

Don't Panic!

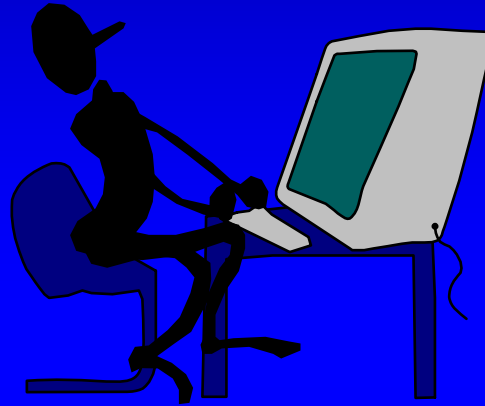
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Questions?



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