Oracle E-Business Suite
Upgrades & Implementations

StreetSmarts® What Scripts

oatc
oracle applications &
technology consulting

Project Management, Technical and Functional Experts Guiding You Down the Road to Success!

Version 1.0　　　　　Bill Dunham　　Michael Barone

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PREFACE

WHO WROTE THE WHAT SCRIPTS?

OATC, Oracle Applications and Technology Consulting, provides some of the most experienced, professional and competent consultants in the industry. We have sterling project references and experiences with many Oracle Applications and Technology projects. Below are some highlights of our expertise:

- Over 20 years' experience with Oracle technology
- Over 20 years' experience with Oracle EBS Applications
- Many Oracle EBS Application Implementations and Upgrades (MPL7→R12)
- Upgrade Assessments *(questionnaire and script oriented, low cost analysis and feedback)*
- CEMLI (<u>c</u>ustomizations, <u>e</u>xtensions, <u>m</u>odfications, <u>l</u>ocations and <u>i</u>ntegrations/<u>i</u>ntefaces) Assessments
- Project Health Checks
- Custom Integration Projects
- Oracle EBS Applications Server Sizing and Recommendations
- Enhancing Oracle EBS Applications investment by utilizing more features and functionality of products purchased (a common problem)
- Superior Project Management and CRP Method
- Experienced Functional, Technical Developers and Database Administrators
- Remote Oracle EBS Application Services (Functional, Technical Developers, and Database Administrators)
- Remote Oracle EBS Applications and Database Monitoring & Support
- Our clients tell us we are really good ☺

We – Bill Dunham and Michael Barone – decided to share our hard-won knowledge with the Oracle EBS user community by writing this book, and the *StreetSmarts*® series. This book, the first of the series *What Scripts*, is a collection of very useful scripts for technical team members and super users. These are scripts we use at clients, and they've proven very helpful to us and our clients on many occasions.

WHAT ARE THE WHAT SCRIPTS?

Each of the Scripts in this book have been developed, tested and perfected on the following Computer Operating Systems:

> AIX
> HP/UX
> Oracle Linux
> Redhat Linux
> Sun Solaris
> SuSe Linux

Each of these Scripts will prompt the user for the necessary password and the Script will automatically screen-protect the password so the password is NOT visible on the screen. Additionally, each of these Scripts will monitor for the <CNTL><C> (cancel) or <CNTL><D> (delete) or <CNTL> <X> exit. If the Script-user cancels or stops the script, the Password screen-protect settings are reversed and a normal terminal-setting resumes.

Each of these scripts MERELY SELECTS and DISPLAYS on the screen and simultaneously creates an identical file in the */tmp* directory so you can review these results anytime.

MORE WHAT SCRIPTS TO COME!

We already have more ideas percolating, so stay tuned for updated versions of this book.

After reviewing our scripts you may scratch your head and say "*I have scripts just like that, or even better ones that I'd like to share!*" If you would like to contribute scripts to us for inclusion in the next version of this book, please email us at whatscripts@oatcinc.com. Please include your contact information, a brief description of the script, the script details and sample output. We will review, confirm the script works as planned and provide feedback on its inclusion in the next version – we will certainly give credit where credit is due!

P.S. We're pretty busy doing our day jobs, so we can't make guarantees, but we do love a challenge so send those scripts along!

WHERE ARE THE WHAT SCRIPTS?

We didn't think you'd want to read the code in book format, so we've just included sample output here. You can download this book and the Scripts from this book at http://oatcinc.blogspot.com. Subscribe to our blog so you'll be the first to know when our next version of *StreetSmarts® What Scripts* is available.

CHAPTER 1 – "WHAT SCRIPTS"

WHAT SCRIPTS – WHAT ARE THEY ALL ABOUT?

The "what scripts" are a series of operating system level scripts that interrogate the Oracle E-Business suite internal tables for information not easily obtained through other means. These scripts were created to provide information quickly, accurately, and in an easy to read format.

The "what scripts" are meant to assist System Administrators, Database Administrators, or really any IS/IT personnel looking for specific information such as what services are currently running to what users are logged in or what Concurrent Requests/Concurrent Managers are busy or idle. There are a wide variety of scripts found within this book. Please review the table of contents to find a "what" script that best meets your needs.

WHATSUP

- What E-Business Suite Services are UP?
- What E-Business Suite AppsTier and DBTier and Workflow Services are Available?

When AppsTier/DBTier/Workflow Services are DOWN the Script shows "No."

Example: AppsTier Services are UP. DBTier Services are UP.

```
        oratest.oatcinc.com Apps-11i/12.1 Survey

        A p p l i c a t i o n        D a t a b a s e
          S e r v i c e s             S e r v i c e s
          -- Apache -- App    App 11g 11g
Apps      Frm Svr Svr Svr JRE DB     Cnc DB  Ora  WF-Java WF-Java
SIDs      Svr iAS PLS 920 Svr Lnr    Mgr Lsr DB   Server  AgntLst
-------- --- --- --- --- --- ---     --- --- ---  ------- -------
oatc      Yes Yes Yes Yes Yes Yes    Yes Yes Yes  Running Running


        Current Activity
        ----------------------------
        Forms-Connections:         9
        ConcReqs Running:          2

        Daily Activity
        ----------------------------
        Web-AppsLocalLogin Today:  20
```

Example: AppsTier Services are DOWN. DBTier Services are UP.

```
        oratest.oatcinc.com Apps-11i/12.1 Survey

        A p p l i c a t i o n        D a t a b a s e
          S e r v i c e s             S e r v i c e s
          -- Apache -- App    App 11g 11g
Apps      Frm Svr Svr Svr JRE DB     Cnc DB  Ora  WF-Java WF-Java
SIDs      Svr iAS PLS 920 Svr Lnr    Mgr Lsr DB   Server  AgntLst
-------- --- --- --- --- --- ---     --- --- ---  ------- -------
Oatc      No  No  No  No  No  No     No  Yes Yes  Running Running
```

WHOSUP

- Who is Connected to the E-Business Suite? Who is UP?
- Who has connected to the AppsTier (OAFramework/Forms)?

Since the E-Business Suite ICX (Internet Connections) are recorded in the ICX Tables, you can examine the ICX Connections that are current and/or historical. Additionally, the ICX history is available until the Concurrent Request: *Purge Inactive Sessions* is executed and the ICX activity is purged.

The Forms-Connections, on the other hand, are only available when they are active. So, when a Forms User disconnects, the **whosup** script will no longer show a User with an open Forms Session.

Example:

```
#-------------------------------------------------------------#
#- ICX Connections (whosup)                              -#
#-------------------------------------------------------------#

19-MAY-13      oatc (oratest.oatcinc.com) Apps ICX Connections
10:20:07                      Sorted by UserName
                                                       Last
                                               ICX     ICX
UserName   User Description   Responsibility    Connect Activity
---------- ---------------- ------------------------- --------- ---------
SYSADMIN   System           System Administrator   19-MAY-13 19-MAY-13
           Administrator                            10:18:51  10:19:41




#-------------------------------------------------------------#
#- Forms Connections (whosup)                            -#
#-------------------------------------------------------------#

19-MAY-13          oatc (oratest.oatcinc.com) Apps FormServer
10:20:08                      Sorted by UserName

                  Apps                         Apps  Apps     Form
                  Short             FormStart Server Server   Server
UserName FormName Name  Responsibili Time    ProcID Name     AUDSID
-------- ---------- ----- ----------- --------- ------ --------- -------
SYSADMIN Run Reports FND   System       19-MAY-13 20464  oratest. 1849332
                     Administrato 10:19:41        oatcinc.c
                     r                             om
```

WHATSRUNNING

What Concurrent Requests are Currently Running?

The output includes Submit-Time, Time-Waiting and Start-Time in the Concurrent-Manager's Queue, etc.

Example:

```
21-MAY-13      E-Business Concurrent Requests (Running)          Page:   1
09:50:39        whatsrunning -- Sorted by Start Time

                                   Unix
                                   Process  Submit     Wait Time Start
Concurrent Pgm Desc        ConcReq ID       Time       (Minutes) Time
------------------------   -------- -------- --------- --------- ---------
Retirement Report          16912471 10616872 28-JUN-13       .63 28-JUN-13
                                             09:46:58             09:47:36

Calculate and update       16912455 27721860 28-JUN-13       .37 28-JUN-13
benefit eligibility                          09:25:17             09:25:39
```

WHATSRUNNINGDETAILS

What Concurrent Requests are Currently Running? – DBTier and AppsTier Details.

Example:

```
21-MAY-13      E-Business Concurrent Requests (Running)        Page:   1
09:50-53       whatsrunningdetails  Sesssion(s) -- Assigned to ConcReqs

                                   AppsTier DBTier
ConcMgr         ConcMgr           Unix     UNIX     Oracle Oracle
Program         Program Connect   Process  Process  System Serial
Session         Process Date      ID       ID          SID Number Last Call
-------------- ------- --------- -------- -------- ------ ------ ---------
ora_rw20_run@o oracle  28-JUN-13 10616872 2949392    1819   6453 28-JUN-13
atdb (TNS V1 - @oatdb
V3)

sqlplus@oatdb  oracle  28-JUN-13 27721860 14942460   1505   4583 28-JUN-13
(TNS V1-V3)    @oatdb
```

WHATCONCSUMMARY

What Concurrent Requests Executed/Completed in the Past Week (7 Days)?

The output includes Concurrent Program/Report Name, Average Run-Time and Number of Executions.

Example:

```
21-MAY-13   E-Business Concurrent Requests (Weekly Summary)    Page:   1
20:15:36         whatconcsummary --  DBA ConcMgr Summary Report

                              Concurrent              Avg.     Number
                              Program              Run-Time       of
Concurrent Pgm Description    Name                 (Minutes) Executions
----------------------------  --------------------- --------- ----------
Application Accounting        Validate Application    33.64          2
Definition Validation Report  Accounting Definitions

                              Import Application        .91          6
                              Accounting Definitions

User Responsibility Report    Active Users              .43          1
OAM Applications Dashboard    OAM Applications Dashboard .13        937
Collection                    Collection

                              Upload Application        .11          6
                              Accounting Definitions

DQM Serial Sync Index         DQM Serial Sync Index Pgm .01          3
Program for online flow

                                                              ----------
                                                                    955
```

WHATCONCQUEUE

- What Concurrent Manager Queues are ACTIVE/RUNNING?
- What Concurrent Managers are ENABLED/DISABLED?
- What Concurrent Managers are Fully Loaded/Backlogged/Idle?

Example:

```
28-MAY-13                EBusiness Concurrent Queues        Page:   1
17:14:40                 whatconcqueue -- Sorted by Queue-Name

Concurrent           Concurrent Queue    Conc  Conc   Conc Conc     Conc
Queue                Queue      Enable   Queue Queue  Queue Queue    Diag
Description          Name       Disable  Max   Runing Target Node    Lvl
-------------------- ---------- -------- ----- ------ ------ ------- ----
C AQCART Service     C_AQCT_SVC Enabled    0     0      1
CRP Inquiry Manager  CRPINQMGR  Enabled    0     0      2            N
Conflict Resolution  FNDCRM     Enabled    1     1      1            N
Manager

Debug Service        Debug_Serv Enabled    0     0      1
                     ice

FastFormula          FFTM       Enabled    0     0      1
Transaction Manager

Human Resources      HRM        Enabled    3     3      3            N

INV Remote Procedure INVTMRPM   Enabled    0     0      4
Manager

Internal Manager     FNDICM     Enabled    1     1      0            N
Internal Monitor:    FNDIM_ORAT Enabled    0     0      0 ORATEST
ORATEST              TEST

Inventory Manager    INVMGR     Enabled    1     1      1            N
KBACE                KBACE      Enabled    5     5      5            N
Labor Distribution   LDMSTD     Enabled    3     3      3            N
.
.
.
Standard Manager     STANDARD   Enabled   20    20     20            N

Workflow Mailer      WFMGSMD    Enabled    0     0      1
Workflow Mailer      WFMLRSVC   Enabled    1     1      1
Service

Workflow Summary     WFMGSMS    Enabled    0     0      1
Mailer
```

WHATCONCMGRSESSIONS

What Concurrent Manager Database Sessions are ACTIVE/RUNNING?

Example:

```
28-MAY-13                oratest OATC DBA Report                    Page:   1
16:23-51   whatconcmgrsessions Oracle Sessions Assigned to ConcMgrs

                             AppsTier DBTier
ConcMgr        ConcMgr       Unix     UNIX     Oracle Oracle
Program        Program       Connect Process  Process  System Serial Last
Session        Process       Date    ID       ID          SID Number Call
-------------  ------------  ------- -------- -------- ------ ------ -------
ICM@oratst     oracle@orats 25MAY13 20054076 23986406   1006     83 28MAY13
FNDSM@oratst   oracle@orats 25MAY13 19398862 14418276   1754     17 28MAY13
PODAMGR@orats  oracle@orats 25MAY13 5177384  19988910      8     15 28MAY13
JDBC ThinClie  oracle@orats 25MAY13 34406604 7536922    1541     13 28MAY13
FNDLIBR@orats  oracle@orats 25MAY13 23331016 53477598   1788     17 28MAY13
FNDLIBR@orats  oracle@orats 25MAY13 29032626 13959502     38     13 28MAY13

STANDARD@orat  oracle@orats 25MAY13 20316236 12320934   1796    497 28MAY13
STANDARD@orat  oracle@orats 25MAY13 5243124  63439000    505   5597 28MAY13
STANDARD@orat  oracle@orats 25MAY13 15597686 28115062   1559  23313 28MAY13
STANDARD@orat  oracle@orats 25MAY13 12451866 34537692     51  11369 28MAY13
STANDARD@orat  oracle@orats 25MAY13 9765092  58392786   1077   1435 28MAY13
```

WHATSFREESPACE

What is the Freespace in the Database: Tablespace, Freespace, Number of DBFs, Percent Used ?

Example:

```
19-MAY-13    oatc (oratest.oatcinc.com) EBusiness Database Report
11:07:18       whatfreespace --  EBusiness Database Freespace

                 Num  Free         Total        Used         Free  Pct
TableSpace       DBFs Frag     Space(Kb)   Space(Kb)    Space(Kb) Used
---------------- ---- ----- -------------- ---------- ------------ ----
APPS_TS_SUMMARY    1    1       204,800          128      204,672    0
APPS_TRANSACTION_  1    1     2,097,152          128    2,097,024    0
TABLES

APPS_TS_TOOLS      2    2     1,253,376          256    1,253,120    0
APPS_TS_INTERFACE  1    1       204,800          128      204,672    0
APPS_UNCLASSIFIED  1    1       204,800          128      204,672    0
INTERIM            1    1       204,800          128      204,672    0
APPS_TRANSACTION_  1    1       921,600          128      921,472    0
INDEXES

APPS_TS_SEED       2    2       409,600          256      409,344    0
APPS_TS_NOLOGGING  1    1        51,200          640       50,560    1
PORTAL             1    1         5,120           80        5,040    2
OWAPUB             1    1         5,120           80        5,040    2
USERS              1    1         5,120           80        5,040    2
APPS_TS_QUEUES     2    1     2,168,832      162,432    2,006,400    7
APPS_NOLOGGING     2    1     2,590,720      193,792    2,396,928    7
TOOLS              1    3        51,200        8,360       42,840   16
APPS_INTERFACE     2   62     2,097,152      819,968    1,277,184   39
APPS_SUMMARY       2    4     2,609,152    1,232,768    1,376,384   47
APPS_TS_ARCHIVE    3    6     9,601,024    5,486,592    4,114,432   57
CTXSYS             1   24        20,480       15,456        5,024   75
SYSTEM             7  164    14,336,000   10,761,296    3,574,704   75
APPS_REFERENCE     2    1     3,145,728    2,436,224      709,504   77
OLAPSYS            1    1        12,288       10,008        2,280   81
APPS_TS_MEDIA      3    3     7,379,328    6,669,568      709,760   90
APPS_UNDOTS1       2   10     4,096,000    3,883,008      212,992   95
APPS_TS_TX_IDX     8    4    13,942,912   13,278,848      664,064   95
SYSAUX             2   47     6,556,672    6,200,320      356,352   95
APPS_TS_TX_DATA    9   14    22,158,592   21,104,000    1,054,592   95
                  ---- ----- -------------- ---------- ------------
                  62  360    96,343,808   72,265,824   24,077,984
```

WHATFNDNODE

What are the FND_NODES Servers and Server Assignments?

Example: `Single-Node Installation`

```
21-MAY-13          oatc (oratest.oatcinc.com) Apps FND_NODES
18:18:04           EBusiness AdminTier/ConcTier/FormTier/WebTier


                                                   Admn Conc Form Web
Node Name       Host Name Virtual Addr Server Address Srvr Srvr Srvr Srvr
--------------- --------- ------------ -------------- ---- ---- ---- ----
AUTHENTICATION                          *              N    N    N    N
ORATEST                      oratest    126.4.4.171    Y    Y    Y    Y
```

Example: Multi-Node Installation

```
21-MAY-13          oatc (oratest.oatcinc.com) Apps FND_NODES
20:05:18           EBusiness AdminTier/ConcTier/FormTier/WebTier


                                                   Admn Conc Form Web
Node Name       Host Name Virtual Addr Server Address Srvr Srvr Srvr Srvr
--------------- --------- ------------ -------------- ---- ---- ---- ----
AUTHENTICATION                          *              N    N    N    N
ORATESTA        oratesta               10.1.10.110    Y    Y    Y    Y
ORATESTD        oratestd   oratestd                    N    N    N    N
```

WHATOBJECTS

What Database/Data Dictionary Objects belong to What
Schema/Owner?

Use this Script to Quickly Compare Different Environments and Find
Missing Objects (Tables, Indexes, Triggers, Views, Synonyms, Sequences,
DBLinks, Triggers, Functions, Procedures, Packages and Java Classes).

Example: `Single-Node Installation`

```
#----------------------------------------------------------------#
#- What DataDictionary Objects (whatobjects)                    -#
#----------------------------------------------------------------#


                      OATC (oratest) Apps DataDictionary
                      EBusiness DataDictionary Schema Object Count

                              TABLE       INDEX                            DB            FUNC           PACK   JAVA
OWNER          TOTAL  CLU TABLE PART INDEX PART  VIEW   SYN    SEQ  LNK  TRIG PROC  PACK  BODY  CLASS
-------------- ------ ---- ----- ----- ------ ----- ------ ------- ------ ---- ---- ----- ----- ------ ------
ABM               88        42         46
AHL              569       149        306                          110                      2     2
AK               192        59        116                           13                      2     2
ALR              128        32         76                           16                      2     2
AMDISCO          495        94        387              8            2              4
AMS             1527       365        887                          262                      2     2
AMV              184        40         98         2    6           27                       2     2
AMW              503       176        216                          107                      2     2
AP              1176       337   64   628                          139                      2     2
APPLSYS         3431       950  120  1413    294  108              6   234                   2     2
APPLSYSPUB        18                                    18
APPQOSSYS          5         4                                1
APPS          169298      1378  129  2258    159 25469 38144       47    3 4248 358 47397 46338   367
AR              2640       697  159  1352     43    8    6   338                             2     2
ASF               10         2          3                           1                       2     2
ASG              161        62         71                           20                      2     2
ASL               43        14         20                           3                       2     2
```

WHATATG

What E-Business Suite Application Technology Group (ATG) Patches have been applied?

This Script will change each time the Oracle ATG Team releases a new ATG Patch. So, please download the latest version of this Script from: http://oatcinc.blogspot.com/

Example:

```
#--------------------------------------------------------------#
#- What Application Technology Group (ATG) Patches (whatatg)  -#
#--------------------------------------------------------------#

28-MAY-13              OATC (oratest) Apps ATG Version
16:54:21        EBusiness 12 ATG (Application Technology Group)

RELEASE_NAME
------------------------------------------------
12.1.3




28-MAY-13              OATC  (oratest) Apps ATG Version
16:54:21        EBusiness 12 ATG (Application Technology Group)

Patch
Number  Date        Patch Description
------- ----------- ------------------------------------------- -------
5907545 01-MAY-2013 R12.ATG_PF.A.DELTA.1                        R12
5907545 01-MAY-2013 R12.ATG_PF.A.DELTA.1                        R12
5917344 01-MAY-2013 R12.ATG_PF.A.DELTA.2                        R12
5917344 01-MAY-2013 R12.ATG_PF.A.DELTA.2                        R12
6077669 01-MAY-2013 R12.ATG_PF.A.DELTA.3                        R12
6077669 01-MAY-2013 R12.ATG_PF.A.DELTA.3                        R12
6241631 31-DEC-2010 11i.ATG_PF.H.RUP7                           11i
6272680 01-MAY-2013 R12.ATG_PF.A.DELTA.4                        R12
6435000 01-MAY-2013 12.0.4 Release Update Pack (RUP4)           R12
6678700 01-MAY-2013 12.1.1 Cumulative Update                   R12
7303030 01-MAY-2013 12.1.1 Cumulative Update                   R12
7303033 14-MAY-2013 12.1.2 Cumulative Update                   R12
7651091 14-MAY-2013 R12.ATG_PF.B.DELTA.2                        R12
8919491 14-MAY-2013 R12.ATG_PF.B.DELTA.3                        R12
9239090 14-MAY-2013 12.1.3 Cumulative Update                   R12
```

WHATVERSION

What E-Business Suite Application Versions and Family Packs and
Maintenance Packs have been applied to each of the E-Business Suite
Products?

Example:

```
#------------------------------------------------------------#
#- Oracle Apps Product Version                 (whatversion) -#
#------------------------------------------------------------#

28-MAY-13       OATC (oratest) EBusiness Product Version
16:58:13        whatversion -- EBusiness Product Patch-Levels

App                                              App
Short                           App      App     Patch      Update
Name     Description            Status   Version Level      Date
-------- --------------------  --------- ------- ---------- -----------
AD       Applications DBA       Shared   12.0.0  R12.AD.B.3  01-May-2013
AHL      Complex Maintenance an Inactive 12.0.0  R12.AHL.B.3 01-May-2013
         d Overhaul

AK       Common Modules-AK      Installed 12.0.0 R12.AK.B.3  01-May-2013
ALR      Alert                  Installed 12.0.0 R12.ALR.B.3 01-May-2013
AME      Approvals Management   Inactive  12.0.0 R12.AME.B.5 01-May-2013
AMS      Marketing              Shared    12.0.0 R12.AMS.B.3 12-May-2013
AMV      Marketing Encyclopedia Shared    12.0.0 R12.AMV.B.3 01-May-2013
AMW      Internal Controls Mgr  Inactive  12.0.0 R12.AMW.B.3 01-May-2013
AP       Payables               Installed 12.0.0 R12.AP.B.3  01-May-2013
AR       Receivables            Installed 12.0.0 R12.AR.B.3  01-May-2013
.
.
.
XDO      XML Publisher          Installed 12.0.0 R12.XDO.B.3 01-MAY-2013
XDP      Provisioning           Inactive  12.0.0 R12.XDP.B.3 01-MAY-2013
XLA      Subledger Accounting   Shared    12.0.0 R12.XLA.B.3 01-MAY-2013
XLE      Legal Entity Config    Inactive  12.0.0 R12.XLE.B.3 01-MAY-2013
XNB      Oracle Telecommunicatns Inactive 12.0.0 R12.XNB.B.3 01-MAY-2013
         ling Integrator

XNP      Number Portability     Inactive  12.0.0 R12.XNP.B.3 01-MAY-2013
XTR      Treasury               Inactive  12.0.0 R12.XTR.B.3 01-MAY-2013
ZFA      Financial Analyzer     Inactive  12.0.0 -- Not Avai 24-Apr-2007
                                                 lable --

ZPB      Enterprise Planning and Inactive 12.0.0 R12.ZPB.B.3 01-MAY-2013
         Budgeting

ZSA      Sales Analyzer         Inactive  12.0.0 -- Not Avai 24-Apr-2007
                                                 lable --

ZX       E-Business Tax         Inactive  12.0.0 R12.ZX.B.3  01-MAY-2013
```

WHATPRODUCTINFO

What E-Business Suite Application Products are Installed/Shared/Inactive or Pseudo?

Example:

```
#--------------------------------------------------------------#
#- What (whatproductinfo)                                     -#
#--------------------------------------------------------------#

                  OATC (oratest) Apps Product Information
                    Whatproductinfo  --  EBusiness Suite

App
Short                                                     Install
Name      Application  Name                               Status
--------  ----------------------------------------------- --------------
AD        Applications DBA                                Shared
ADO       Oracle Applications Patch Wizard                Pseudo
ADX       Rapid Install                                   Pseudo
AHL       Complex Maintenance Repair and Overhaul         Inactive
AK        Common Modules-AK                               Installed
ALR       Alert                                           Installed
AME       Approvals Management                            Inactive
AML       Leads Management                                Pseudo
AMS       Marketing                                       Shared
AMV       Marketing Encyclopedia System                   Shared
.
.
.
XDO       XML Publisher                                   Installed
XDP       Provisioning                                    Inactive
XLA       Subledger Accounting                            Shared
XLE       Legal Entity Configurator                       Inactive
XLH       Financial Services Accounting Hub               Pseudo
XNB       Oracle Telecommunications Billing Integrator    Inactive
XNP       Number Portability                              Inactive
XTR       Treasury                                        Inactive
ZFA       Financial Analyzer                              Inactive
ZPB       Enterprise Planning and Budgeting               Inactive
ZSA       Sales Analyzer                                  Inactive
ZX        E-Business Tax                                  Inactive
```

WHATINSTALLED

What E-Business Suite Application Products are Installed, Not Installed, or Shared?

Example:

```
#--------------------------------------------------------------#
#- What (whatinstalled)                                      -#
#--------------------------------------------------------------#

10-JUN-13           OATC (oratest) Apps Installed Products
21:50:21              whatinstalled  --  EBusiness Suite

App
Short                                               Install
Name      Application  Name                         Status
--------  ----------------------------------------- -------------
AD        Applications DBA                           Shared
AHL       Complex Maintenance Repair and Overhaul    Not Installed
AK        Common Modules-AK                          Installed
ALR       Alert                                      Installed
AME       Approvals Management                       Not Installed
AMS       Marketing                                  Shared
AMV       Marketing Encyclopedia System              Shared
AMW       Internal Controls Manager                  Not Installed
AR        Receivables                                Installed
AS        Sales Foundation                           Installed
ASF       Sales Online                               Not Installed
ASG       CRM Gateway for Mobile Devices             Not Installed
.
.
.
XDO       XML Publisher                              Installed
XDP       Provisioning                               Not Installed
XLA       Subledger Accounting                       Shared
XLE       Legal Entity Configurator                  Not Installed
XNB       Oracle Telecommunications Billing Integrator  Not Installed
XNP       Number Portability                         Not Installed
XTR       Treasury                                   Not Installed
ZFA       Financial Analyzer                         Not Installed
ZPB       Enterprise Planning and Budgeting          Not Installed
ZSA       Sales Analyzer                             Not Installed
ZX        E-Business Tax                             Not Installed
```

WHATPATCHNODE

What E-Business Suite Nodes are Updated by this Patch?

If your E-Business Suite Environment has MORE THAN ONE AppsTier Node, and you are NOT using a SHARED FILE SYSTEM between the AppsTier Nodes, then this Script will help determine if patches have been applied on ANY/ALL of the AppsTier Nodes.

Example:

```
#-------------------------------------------------------------#
#- What Patch Nodes Were Patched by Patch (whatpatchnode)   -#
#-------------------------------------------------------------#

            OATC (oratest) Apps What Patch Modules
        EBusiness Patch 16052604 Updated These Server/Nodes

AD_Bugs  Node                    Patch               Patch
Patch    Patch                   Creation            LastUpdate
Number   Number    Node Name     Date                Date
-------- -------- ------------- ------------------- -------------------
16052604 16052604 oatcapd04     18-MAY-2013 01:35:30 18-MAY-2013 01:35:30
```

WHATPATCHMODULE

What E-Business Suite Modules/Products are Updated by this Patch?

Example:

```
#-------------------------------------------------------------#
#- What Patch Modules Were Updated by Patch (whatpatchmodules) -#
#-------------------------------------------------------------#

              OATC (oratest) Apps What Patch Modules
           EBusiness Patch 16052604 Updated These Products

Product
ShortName
-----------------------------
iby
```

WHATPATCHDETAIL

- What E-Business Suite Patch Details (Parent and Included Patches) Based on Date?
- What Patches and Included Patches were Applied after a specified date?

Example:

```
#----------------------------------------------------------------#
#- whatpatchdetail:                                             -#
#----------------------------------------------------------------#


23-MAY-13          OATC (oratest) Apps eBusiness Patch Summary
20:17:33                 EBusiness Patches Sorted by Date


                            Bug     ARU
Patch               Patch   Abbrev  Release
Date                Number  iation  Name
------------------- ------- ------- -------
10-MAY-2013 00:32:08 10197697 fnd     R12
10-MAY-2013 00:32:14 10051072 fnd     R12
10-MAY-2013 00:32:14 9198540  fnd     R12
11-MAY-2013 01:07:15 8668357  frm     R12
14-MAY-2013 19:23:57 12728634 sqlap   R12
14-MAY-2013 19:29:20 14559297 pjc     R12
14-MAY-2013 19:29:20 11804121 pjc     R12
16-MAY-2013 22:48:16 12747567 frm     R12
16-MAY-2013 22:48:17 10136174 frm     R12
```

WHATSEGMENT

What Space is used by the E-Business Suite Database Schema/Segment -- Summary?

Example:

```
28-MAY-13           Oracle SegmentSpace Used by SchemaName      Page:  1
17:36:09            whatsegment -- Sorted by Tablespace Name

OWNER TABLESPACE_NAME SEGMENT_NAME             SEGMENT_TYP       BYTES
----- --------------- ------------------------ ----------- -------------
XDO   APPS_TS_TX_DATA SYS_IL0004319246C00010$$ LOBINDEX        2,621,440
XDO                   SYS_LOB0004319246C00010$$ LOBSEGMENT 1,421,213,696
XDO                   XDO_CONFIG_KEYS          TABLE             131,072
XDO                   XDO_CONFIG_PROPERTIES_B  TABLE             131,072
XDO                   XDO_CONFIG_PROPERTIES_TL TABLE             131,072
XDO                   XDO_CONFIG_VALUES        TABLE             131,072
.
.
.
XDO                   XDO_FONT_MAPPING_SETS_TL TABLE             131,072
XDO                   XDO_LOBS                 TABLE           3,670,016
XDO                   XDO_TEMPLATES_B          TABLE             524,288
XDO                   XDO_TEMPLATES_TL         TABLE             524,288
XDO                   XDO_TEMPLATE_FIELDS      TABLE           1,441,792
XDO                   XDO_TRANS_UNITS          TABLE           9,175,040
XDO                   XDO_TRANS_UNIT_PROPS     TABLE           1,048,576
XDO                   XDO_TRANS_UNIT_VALUES    TABLE           8,519,680
      ***************                          ------------- 
      Total                                               1,450,835,968


XDO   APPS_TS_TX_IDX  XDO_DS_DEFINITIONS_B_U1  INDEX             262,144
XDO                   XDO_DS_DEFINITIONS_TL_U1 INDEX             262,144
XDO                   XDO_DS_DEFINITIONS_TL_U2 INDEX             393,216
XDO                   XDO_LOBS_U1              INDEX             786,432
.
.
.
XDO                   XDO_TRANS_UNITS_U1       INDEX           5,636,096
XDO                   XDO_TRANS_UNIT_PROPS_U1  INDEX             393,216
XDO                   XDO_TRANS_UNIT_VALUES_U1 INDEX           6,946,816
      ***************                          ------------- 
      Total                                                  17,432,576
                                                           ------------- 
                                                        1,468,268,544
```

WHATSCHEMASTATS

- What is the E-Business Suite Database Schema Statistics History (Execution Dates)?
- What is the E-Business Suite Database Schema Statistics History (Execution Elapsed Time)?

Example:

```
#----------------------------------------------------------------#
#- What (whatschemastats)                                       -#
#----------------------------------------------------------------#

28-MAY-13      OATC (oratest) Apps Gather Schema Statistics
17:45:36       whatschemastats --  Gather Schema Statistics History

               Schema            Schema            Elapsed Time
Scheam Name    Start Time        End-Time          Duration
-------------- ----------------- ----------------- -----------------
ABM            09-MAY-13 03:01:57 09-MAY-13 03:02:04 00:00:07
AHL            24-MAY-13 01:14:19 24-MAY-13 01:14:36 00:00:17
AHM            09-MAY-13 03:02:06 09-MAY-13 03:02:06 00:00:00
AK             24-MAY-13 01:14:36 24-MAY-13 01:15:01 00:00:25
ALR            24-MAY-13 01:15:01 24-MAY-13 01:15:14 00:00:13
AMF            09-MAY-13 03:02:25 09-MAY-13 03:02:25 00:00:00
AMS            24-MAY-13 01:15:14 24-MAY-13 01:15:52 00:00:38
AMV            24-MAY-13 01:15:52 24-MAY-13 01:16:01 00:00:09
AMW            24-MAY-13 01:16:01 24-MAY-13 01:16:16 00:00:15
AP             24-MAY-13 01:16:16 24-MAY-13 01:36:03 00:19:47
APPLSYS        24-MAY-13 01:36:03 24-MAY-13 01:44:24 00:08:21
APPS           24-MAY-13 01:44:24 24-MAY-13 01:47:23 00:02:59
AR             24-MAY-13 01:47:23 24-MAY-13 01:54:03 00:06:40
.
.
.
XLA            24-MAY-13 06:14:53 24-MAY-13 07:46:13 01:31:20
XLE            24-MAY-13 07:46:13 24-MAY-13 07:46:15 00:00:02
XNB            24-MAY-13 07:46:15 24-MAY-13 07:46:16 00:00:01
XNC            09-MAY-13 03:56:57 09-MAY-13 03:56:57 00:00:00
XNI            09-MAY-13 03:56:57 09-MAY-13 03:56:58 00:00:01
XNM            09-MAY-13 03:56:58 09-MAY-13 03:56:58 00:00:00
XNP            24-MAY-13 07:46:16 24-MAY-13 07:46:23 00:00:07
XNS            09-MAY-13 03:56:59 09-MAY-13 03:56:59 00:00:00
XTR            24-MAY-13 07:46:23 24-MAY-13 07:46:48 00:00:25
XXEIS          31-JAN-13 03:06:41 31-JAN-13 03:08:22 00:01:41
ZFA            24-MAY-13 07:46:48 24-MAY-13 07:46:48 00:00:00
ZPB            24-MAY-13 07:46:48 24-MAY-13 07:46:57 00:00:09
ZSA            24-MAY-13 07:46:57 24-MAY-13 07:46:57 00:00:00
ZX             24-MAY-13 07:46:57 24-MAY-13 07:53:59 00:07:02
```

WHATPROFILE

- What are the E-Business Suite Profile Options and Profile Values?
- What E-Business Suite Profile Options are set at the Site/Application/Responsibility/User Levels?

Example:

```
#------------------------------------------------------------#
#- eBusiness Suite 12.1 (whatprofile)                     -#
#------------------------------------------------------------#

28-MAY-13              OATC (oratest) Profile Values
18:07:59              whatprofile  --  Sorted by ProfileName

User                                        Last
Profile            Profile    Profile       Update   Profile
Name               Name       Level  Context Date     Value
-------------- ---------- ---------- ---------- -------- ---------------
OS: Site Use   AS_SITE_US Site                 04-MAY-00 MARKET
               E

Site Name      SITENAME   Site                 15-APR-13 OATC Oracle
                                                         12.1 CRP1
                                                         (Cloned From
                                                         PROD 20May2013)
```

By the way, this script can be used to keep a HISTORY of PROFILE values. Each time this script executes and the Script Search Criteria is "%" a complete list of ALL E-Business Suite Profile Option Values is created in the /tmp Directory.

So, you can easily see if a Profile Option has been changed.

WHATPROFILECHANGE

What E-Business Suite Profiles or Profile Values Changed Since DD-MON-YY?

whatprofilechange uses the Profile and Profile Value Last_Update_Date. So, if the Profile or the Profile Value is changed multiple times, only the latest Last_Update_Date can be shown.

You should execute **whatprofilechange** daily if you are concerned that E-Business Suite Profiles or Profile Values are changing and impacting your E-Business Suite environment.

Example:

```
19-JUN-13        OATC (oratest) Profile Values Changed Since
12:00:37         whatprofilechange  --  Sorted by ProfileName

                                          Profile   Value
User                                      Last      Last
Profile                 Profile           Update    Update   Profile
Name                    Level     Context Date      Date     Value
-------------------- ---------- ---------- --------- -------- ----------
ICX: Limit connect      Site              06-JUL-06 19-JUN-13 1000
ICX: Limit time         Site              06-JUL-06 19-JUN-13 480
ICX:Session Timeout     Site              08-FEB-08 19-JUN-13 480
ICX:Session Timeout     User      BDUNHAM 08-FEB-08 19-JUN-13 480
ICX:Session Timeout     User      MBARONE 08-FEB-08 19-JUN-13 480
```

WHATINVALID

What E-Business Suite Database Objects are INVALID -- Summary?

Example:

```
#--------------------------------------------------------------#
#- What (whatinvalid)                                        -#
#--------------------------------------------------------------#

                OATC (oratest) Apps Invalid Objects         Page:   1
                 whatinvalid -- Sorted by Schema Name

Owner
Schema     Object Type            Count
---------- -------------------- ----------
APPS       FUNCTION                      2
           PACKAGE                       6
           PACKAGE BODY                  6
           PROCEDURE                     5
           SYNONYM                       1
           TRIGGER                       3
           VIEW                          2
**********                      ----------
Total                                   25
```

WHATINVALIDDETAIL

What E-Business Suite Database Objects are INVALID -- Details?

Example:

```
#--------------------------------------------------------------#
#- What (whatinvaliddetail)                                  -#
#--------------------------------------------------------------#

                OATC (oratest) Apps Invalid Objects       Page:   1
             whatinvaliddetail -- Sorted by Schema Name

Owner
Schema     Object Name                              Object Type
---------- ---------------------------------------- --------------------
APPS       AHL_UTIL_UC_PKG                          PACKAGE BODY
           AP_CCE_BANK_UPGRADE                      PACKAGE BODY
           AP_PAYMENT_EVENT_WF_PKG                  PACKAGE BODY
           AR_CREDIT_CHECK                          PACKAGE
           AR_CREDIT_CHECK                          PACKAGE BODY
           AR_CREDIT_USAGE_RULE_SETS_VL             VIEW
           AR_INVOICE_API_PUB                       PACKAGE BODY
           ASO_CC_ENCRYPT_CONC_REQ_PVT              PACKAGE BODY
           AW_OAE3                                  PACKAGE
           AW_OAE3                                  PACKAGE BODY
           AW_USER_PROC                             PROCEDURE
           CSE_PROJ_TRANSFER_PKG                    PACKAGE BODY
           CSL_MTL_SYSTEM_ITEMS_ACC_PKG             PACKAGE BODY
           CS_ROUTING_UTL                           PACKAGE BODY

SYS        Q$LATCH                                  VIEW
           Q$LATCHSUM                               VIEW
```

WHATAPPS

- What E-Business Suite Products Use Which Tablespaces (Default and Temp)?
- What E-Business Suite Products correlate to Application Schema ID?
- What E-Business Suite Products correlate to Oracle Schema ID?

Example:

```
#-------------------------------------------------------------#
#- What Apps Products/Default and TempTablespace (whatapps)   -#
#-------------------------------------------------------------#

11-JUN-13          OATC (oratest) Apps Details Tablespace
14:39:50           whatspps -- E-Business Apps Product Tablespace

Oracle        App  App       FND     App FND      DBA             DBA
  User    APP Short Base     Oracle  Grp Read DBA Default         Temp
    ID     ID Name  Path     UserNm  No. Only Use Tablespace      Tblsp
------ ------ ----- -------- ------- ---- ---- --- --------------- ------
   867    867 AHL   AHL_TOP  AHL       1 A    Yes APPS_TS_TX_DATA TEMP
   601    601 AK    AK_TOP   AK        0 A    Yes APPS_TS_TX_DATA TEMP
   160    160 ALR   ALR_TOP  ALR       0 A    Yes APPS_TS_TX_DATA TEMP
   530    530 AMS   AMS_TOP  AMS       1 A    Yes APPS_TS_TX_DATA TEMP
   520    520 AMV   AMV_TOP  AMV       1 A    Yes APPS_TS_TX_DATA TEMP
   242    242 AMW   AMW_TOP  AMW       0 A    Yes APPS_TS_TX_DATA TEMP
   222    222 AR    AR_TOP   AR        1 A    Yes APPS_TS_TX_DATA TEMP
     .
     .
     .
 20066                       EDWREP    X    No  Unknown         Unknown
 20065                       ODM       X    No  Unknown         Unknown
 20069                       PORTAL30  X    No  Unknown         Unknown
 20067                       CTXSYS    X    Yes CTXSYS          TEMP
```

WHATRECOMPILE
(DBTier Script: executes using -- sqlplus / as sysdba)

What E-Business Suite Database Objects are INVALID?

This Script also Recompiles ALL Invalid Objects and Lists the resulting INVALID Objects.

Example:

```
#-------------------------------------------------------------#
#- What (whatrecompile)                                     -#
#-------------------------------------------------------------#

              OATC (oratest) Apps Invalid Objects       Page:   1
              whatrecompile -- Sorted by Schema Name

Owner!Sche Object Type             Count
---------- -------------------- ----------
APPS       FUNCTION                      2
           PACKAGE                       6
           PACKAGE BODY                  6
           PROCEDURE                     5
           SYNONYM                       1
           TRIGGER                       3
           VIEW                          2
**********                      ----------
Total                                   25
```

WHATSESSION

(DBTier Script: executes using -- sqlplus / as sysdba)

- What E-Business Suite Database Sessions are ACTIVE/INACTIVE?
- What Program are these Sessions Executing?
- What Database Background Sessions (PMON, SMON, LGWR, DIAG
  are ACTIVE?

Example:

```
28-MAY-13                    oratest OATC DBA Report            Page:   1
16:23-51            whatsession  --  Oracle Current Session(s)

                  UNIX   Oracle Oracle
          User    Process System Serial
OS User   Name    ID        SID Number Program                    Status
--------  -------- -------- ------ ------ -------------------- --------
applmgr   APPS    30802110      9     11 PODAMGR@oatcapd04 (TNS  ACTIVE
applmgr   APPS    56557806     47     31 JDBC Thin Client        ACTIVE
applmgr   APPS    13042002   1860  16041 frmweb@oatcapd04 (TNS   INACTIVE
wddunha   RFREADON 43319404    811   2511 Toad.exe                INACTIVE
oracle            37617776      1      1 oracle@oatcdbd03 (DIA0) ACTIVE
oracle             7143576      2      1 oracle@oatcdbd03 (LGWR) ACTIVE
oracle            47972450      3     11 oracle@oatcdbd03 (QMNC) ACTIVE
oracle            52560102      5      1 oracle@oatcdbd03 (Q003) ACTIVE
oracle            35127540    251      1 oracle@oatcdbd03 (MMAN) ACTIVE
oracle             7930134    252      1 oracle@oatcdbd03 (CKPT) ACTIVE
oracle            44302440    253      5 oracle@oatcdbd03 (CJQ0) ACTIVE
oracle            17498174    501      1 oracle@oatcdbd03 (PMON) ACTIVE
oracle            33292494    502      1 oracle@oatcdbd03 (DBW0) ACTIVE
oracle            20906014    503      1 oracle@oatcdbd03 (SMON) ACTIVE
oracle            47448084    751      1 oracle@oatcdbd03 (PSP0) ACTIVE
oracle            22347894    752      1 oracle@oatcdbd03 (DBW1) ACTIVE
oracle            45613172    753      1 oracle@oatcdbd03 (RECO) ACTIVE
oracle            25165992    848   5617 oracle@oatcdbd03 (W006) ACTIVE
oracle            53280808   1001      1 oracle@oatcdbd03 (VKTM) ACTIVE
oracle            19660874   1002      1 oracle@oatcdbd03 (DBW2) ACTIVE
oracle            47054928   1003      1 oracle@oatcdbd03 (MMON) ACTIVE
oracle            50987206   1056   2411 oracle@oatcdbd03 (J000) ACTIVE
oracle            41812024   1251      1 oracle@oatcdbd03 (GEN0) ACTIVE
oracle            16777320   1252      1 oracle@oatcdbd03 (DBW3) ACTIVE
oracle            51445764   1253      1 oracle@oatcdbd03 (MMNL) ACTIVE
oracle            48562184   1255      1 oracle@oatcdbd03 (Q000) ACTIVE
oracle            54001878   1338  21091 oracle@oatcdbd03 (J001) ACTIVE
oracle            38797368   1501      1 oracle@oatcdbd03 (DIAG) ACTIVE
oracle            16187630   1502      1 oracle@oatcdbd03 (DBW4) ACTIVE
oracle            38666334   1506      5 oracle@oatcdbd03 (SMCO) ACTIVE
oracle            48037902   1752      1 oracle@oatcdbd03 (DBRM) ACTIVE
oracle            10027188   1753      1 oracle@oatcdbd03 (DBW5) ACTIVE
oracle            42270778   1757      3 oracle@oatcdbd03 (M001) ACTIVE
oracle            39190606   1850   1415 oracle@oatcdbd03 (W002) ACTIVE

412 rows selected
```

WHATSESSBACKGROUND

What Database Sessions are assigned to Database Background tasks?

Example:

```
01-MAY-13                    oratest OATC DBA Report                Page:   1
08:35-32          whatsessbackground Oracle Sessions Assigned to
                          Database Background Processes

                                    AppsTier DBTier
ConcMg     ConcMgr                  Unix     UNIX     Oracle Oracle
Program    Program      Connect     Process  Process  System Serial
Session    Process      Date        ID       ID          SID Number Last Call
---------- ----------- ---------  --------  -------   ------ ------ ---------
oracle@ora oracle@orat 30-JUN-13 2294154   2294154      501      1 30-JUN-13
test(PMON) test (PMON)

oracle@ora oracle@orat 30-JUN-13 15532516 15532516      751      1 30-JUN-13
(PSP0)     est (PSP0)

oracle@ora oracle@orat 30-JUN-13 1900804  1900804      1001      1 30-JUN-13
(VKTM)     est (VKTM)

oracle@ora oracle@orat 30-JUN-13 34734170 34734170     1251      1 30-JUN-13
(GEN0)     est (GEN0)

oracle@ora oracle@orat 30-JUN-13 5898730  5898730      1501      1 30-JUN-13
(DIAG)     est (DIAG)

oracle@ora oracle@orat 30-JUN-13 53346452 53346452     1752      1 30-JUN-13
(DBRM)     est (DBRM)

oracle@ora oracle@orat 30-JUN-13 14221790 14221790        1      1 30-JUN-13
(DIA0)     est (DIA0)

oracle@ora oracle@orat 30-JUN-13 61210836 61210836      251      1 30-JUN-13
(MMAN)     est (MMAN)

oracle@ora oracle@orat 30-JUN-13 26018034 26018034      502      1 30-JUN-13
(DBW0)     est (DBW0)

oracle@ora oracle@orat 30-JUN-13 50266360 50266360      752      1 30-JUN-13
(DBW1)     est (DBW1)

oracle@ora oracle@orat 30-JUN-13 46202984 46202984     1002      1 30-JUN-13
(DBW2)     est (DBW2)

oracle@ora oracle@orat 30-JUN-13 15859926 15859926     1252      1 30-JUN-13
(DBW3)     est (DBW3)

oracle@ora oracle@orat 30-JUN-13 17433048 17433048     1502      1 30-JUN-13
(DBW4)     est (DBW4)

oracle@ora oracle@orat 30-JUN-13 7274946  7274946      1753      1 30-JUN-13
(DBW5)     est (DBW5)

oracle@ora oracle@orat 30-JUN-13 11665530 11665530        2      1 30-JUN-13
(LGWR)     est (LGWR)
```

```
oracle@ora oracle@orat 30-JUN-13 19922944 19922944  252    1 30-JUN-13
(CKPT)     est (CKPT)

oracle@ora oracle@orat 30-JUN-13 40370402 40370402  503    1 30-JUN-13
(SMON)     est (SMON)

oracle@ora oracle@orat 30-JUN-13 55509164 55509164  753    1 30-JUN-13
(RECO)     est (RECO)

oracle@ora oracle@orat 30-JUN-13 23986416 23986416 1003    1 30-JUN-13
(MMON)     est (MMON)

oracle@ora oracle@orat 30-JUN-13 14680280 14680280 1253    1 30-JUN-13
(MMNL)     est (MMNL)

oracle@ora oracle@orat 30-JUN-13 63373350 63373350    3    3 30-JUN-13
(QMNC)     est (QMNC)

oracle@ora oracle@orat 30-JUN-13 50528290 50528290 1255    1 30-JUN-13
(CJQ0)     est (CJQ0)

oracle@ora oracle@orat 30-JUN-13 34799734 34799734 1504    9 30-JUN-13
(Q000)     est (Q000)

oracle@ora oracle@orat 30-JUN-13 30802076 30802076 1755    1 30-JUN-13
(Q001)     est (Q001)

oracle@ora oracle@orat 30-JUN-13 34078966 34078966  755    7 01-JUL-13
(M000)     est (M000)

oracle@ora oracle@orat 30-JUN-13 36634842 36634842  756    5 30-JUN-13
(SMCO)     est (SMCO)

oracle@ora oracle@orat 01-JUL-13 39452770 39452770 1032 5177 01-JUL-13
(W000)     est (W000)
```

WHATREGISTRYHISTORY
(DBTier Script: executes using -- sqlplus / as sysdba)

What is the E-Business Suite Database Registry History, Installation / Update / CPUs / PSUs?

Patch Set Updates (PSUs) are proactive cumulative patches containing recommended bug fixes that are released on a regular and predictable schedule. PSUs are on the same quarterly schedule as the Critical Patch Updates (CPU), specifically the Tuesday closest to the 17th of January, April, July, and October.

Critical Patch Updates are collections of security fixes for Oracle products. They are available to customers with valid support contracts. They are released on the Tuesday closest to the 17th day of January, April, July and October.

Example:

```
#-------------------------------------------------------------#
#- What (whatregistryhistory)                               -#
#-------------------------------------------------------------#

06-JUN-13          OATC (oratest) Oracle Registry History
11:24:59   whatregistryhistory  --  EBusiness Oracle Database History

Action                                                          Bundle
Time       Version    Action  Name Space   ID Comments          Series
--------- ---------- ------- ---------- ---- ---------------- ----------
25-DEC-12 11.2.0.3.0 UPGRADE SERVER          Upgraded from
02.01.20                                     11.1.0.7.0

26-DEC-12 11.2.0.3   APPLY   SERVER     0    Patchset          PSU
05.06.17                                     11.2.0.2.0

26-DEC-12 11.2.0.3   APPLY   SERVER     1    PSU 11.2.0.3.1    PSU
07.23.13
```

WHATSQLID AND WHATSQLPLAN

whatsqlid searches SQL-History for a Table Name/Index/Statement etc.
whatsqlid searches SQL-History for any recently executed SQL-
Statement.

Normally SQL-History can warehouse SQL-Statements for a full day or
more.

Once the **sqlid** is identified, then the **whatsqlplan** script is executed.

whatsqlplan creates and displays the SQL Explain Plan on the **SQL** that
was executed.

Example: whatsqlid

```
19-JUN-13               OATC (oratest) SQLText SQLID
14:54:04

LastActive
Date Time  SQL Hash-ID
---------- --------------
20-JUN-13  55dc767ajydh3
18:58:48
```

Example: whatsqplan

```
                        OATC (oratest) SQLText SQLID

PLAN_TABLE_OUTPUT
--------------------------------------------------------------------------
SQL_ID  55dc767ajydh3, child number 0
-------------------------------------
SELECT PROFILE_OPTION_VALUE FROM FND_PROFILE_OPTION_VALUES WHERE
PROFILE_OPTION_ID = :B4 AND APPLICATION_ID = :B3 AND LEVEL_ID = 10003
AND LEVEL_VALUE = :B2 AND LEVEL_VALUE_APPLICATION_ID = :B1 AND
PROFILE_OPTION_VALUE IS NOT NULL

Plan hash value: 2802907561

| Id | Operation          | Name                    |Rows|Bytes|Cost (%CPU)| Time    |
-------------------------------------------------------------------------------------
|  0 |SELECT STATEMENT    |                         | 1 |     |    | 3 (100)|         |
|* 1 | TABLE ACCESS BY INDEX|FND_PROFILE_OPTION_VALUES  | 1 | 25 |    3   (0)| 00:00:01 |
|* 2 |  INDEX RANGE SCAN   |FND_PROFILE_OPTION_VALUES_U1 | 1 |     |    2   (0)| 00:00:01 |
-------------------------------------------------------------------------------------

Predicate Information (identified by operation id):
---------------------------------------------------
   1 - filter("PROFILE_OPTION_VALUE" IS NOT NULL)
   2 - access("APPLICATION_ID"=:B3 AND "PROFILE_OPTION_ID"=:B4 AND "LEVEL_ID"=10003 AND
           "LEVEL_VALUE"=:B2 AND "LEVEL_VALUE_APPLICATION_ID"=:B1)
```

ABOUT THE AUTHORS

Bill Dunham (*Oracle Ace*)

Bill is the founder and principal owner of OATC, Inc. He is a well known Oracle Applications and Technology consultant, having worked with Oracle products since 1985, and Oracle EBS Apps since 1991 (MPL7->R12). His extensive experience with EBS Applications and Technology makes him a trusted advisor to many clients throughout the US and Europe. Bill has worked in many IT and project capacities over the years, mostly focusing as an EBS Program/Project Manager, Architect, Technical/Functional Lead, QA Manager and client advocate. Bill has presented papers at many local and regional Oracle Application Users Group (OAUG) events and at Oracle OpenWorld (OOW). Bill has authored articles for OAUG INSIGHT magazine, as well as co-authored two books, "Special Edition Using Oracle Applications" and "Special Edition Using Oracle 11i." and is co-authoring this new book series called Oracle EBS Applications *StreetSmarts*®. Bill has designed, developed and authored papers on the "CRP Method" for enterprise application projects. This method focuses on critical and core project activities, all while reducing project costs and focusing on client success. Bill is a member of the Oracle EBS Applications Technology Customer Advisory Board (CAB) for Oracle Corporation, Coordinator for ESOAUG, member of the OAUG GEO/SIG Board, and an Oracle Applications & Applications Technology ACE.

Michael Barone (*Oracle Ace Nominee*)

Michael is an Oracle E-Business Suite Database Administrator with 25 years of IT experience and 16 years of Oracle Applications DBA experience, including RAC (Real Application Cluster), ASM (Automatic Storage Management), and Oracle Applications (E-Business Suite). Michael's experience includes full cycle installations and upgrades, as well as installation, administration, upgrade and development of Oracle relational databases. Most recently, Michael has installed, set up, upgraded and administered the production, test, and development databases for major international organizations, federal, state, and local government agencies, and manufacturers of hospital equipment, oil-and-gas distribution, automotive subassemblies, landscape equipment, diesel engines, jet engine turbine blades, medical equipment, pharmaceuticals, aluminum, concrete, wire and steel products. Michael specializes in upgrading existing Oracle Databases and Oracle Applications and has extensive experience with hot/cold E-Business Suite cloning and backup/restore/disaster-recovery.

Enjoy the Whole Series!

Stay tuned for our next books in the *StreetSmarts*® series. This is the planned release order at this time (subject to change):

1. Oracle E-Business Suite StreetSmarts® What Scripts (version 1.0)
2. Oracle E-Business Suite StreetSmarts® CRP Method
3. Oracle E-Business Suite StreetSmarts® What Scripts (version 2.0)
4. Oracle E-Business Suite StreetSmarts® AutoConfig
5. Oracle E-Business Suite StreetSmarts® Cloning
6. Oracle E-Business Suite StreetSmarts® Upgrades
7. Oracle E-Business Suite StreetSmarts® OAM (Oracle Application Manager) Administration

More information is available at:

http://www.oatcinc.com