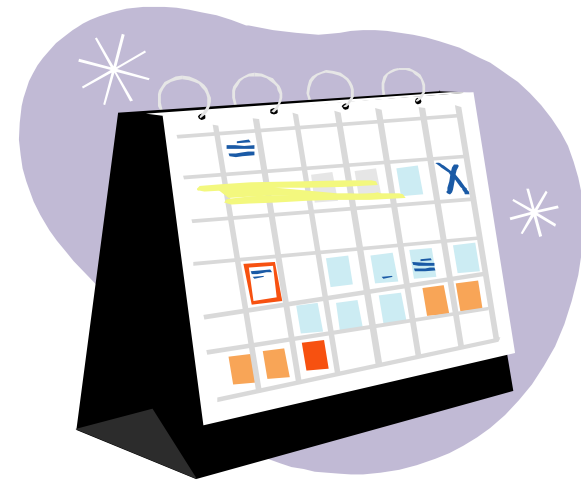# Oracle System Administrator Fundamentals

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Agenda

- Introduction
- The System Administrator's job
- Responsibilities
- Menus
- Custom Programs/Reports
- Request Groups
- User Management
- Very Cool Profile Option

The System Administrator's Job

- Control
  - New Users
  - Security
  - Monitoring
  - Profiles
  - Concurrent Processing

- Liaison
  - Front-end vs. DBA

Responsibilities

- **Another layer of security**
- **Allow access to**
  - Applications
  - Set of books
  - Menu paths
  - Functions
  - Reports/Programs

Responsibilities (continued)

- Pre-defined Responsibilities
  - List available with Application User Guide
- Custom Responsibilities
  - Restrict menu paths
  - Remove functions
  - Customize list of available programs and reports
  - Naming conventions
- *Cool Report: Active Responsibilities*

File   Edit   View   Favorites   Tools   Help

http://linuxbox.ccatsolutions.com:8001/OA_CGI/FND...

```
                    (s7B Active Responsibilities and Their Active Users  (s0B


Application              Responsibility            Security Group        User                          Start

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Activity Based           ABM Intelligence          Standard              ABM_SYSADMIN                  26-FEB-02
Management                                                               ABM_SYSADMIN2                 01-MAR-02
                                                                         ABM_USER                      26-FEB-02
                                                                         EBUSINESS-MFG                 08-AUG-01

Activity Based           ABM Manager               Standard              ABM_SYSADMIN                  26-FEB-02
Management                                                               ABM_SYSADMIN2                 01-MAR-02
                                                                         ABM_USER                      26-FEB-02
                                                                         ARABIC                        08-JUN-03
                                                                         CHINESE                       09-JUN-03
                                                                         DUTCH                         08-JUN-03
                                                                         EBUSINESS-MFG                 08-AUG-01
                                                                         FRENCH                        08-JUN-03
                                                                         GERMAN                        08-JUN-03
                                                                         HUNGARIAN                     09-JUN-03
                                                                         JAPANESE                      09-JUN-03
                                                                         KOREAN                        09-JUN-03
                                                                         POLISH                        09-JUN-03
                                                                         SPANISH                       08-JUN-03
                                                                         SYSADMIN                      11-FEB-00

Activity Based           ABM Supervisor            Standard              ABM_SYSADMIN                  26-FEB-02
Management                                                               ABM_SYSADMIN2                 01-MAR-02
                                                                         ABM_USER                      26-FEB-02
                                                                         EBUSINESS-MFG                 08-AUG-01
                                                                         SYSADMIN                      19-APR-00

Advanced Benefits        Benefits Manager, Vision  Standard              EBRANNON                      01-JAN-95
                         Health System                                   FBURNS                        01-JAN-95
                                                                         HBLAKE                        01-JAN-95
                                                                         MDALEY                        01-JAN-95
                                                                         SBISHOP                       01-JAN-95
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Custom Responsibility

Menus

- ## Pre-defined Menus
  - – Available with every pre-defined responsibility
  - – Customizable by "excluding" forms and functions in the responsibilities form

Custom Menus

- Build from the bottom up
- Use an organization chart structure
- Use delivered forms and subfunctions
- Create a logical hierarchical structure
- Assign to a responsibility
- Do Not reinvent the wheel
- *Cool Report: Function Security Menu Report*

Function Security Menu Report

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                                                                      29-FEB-08 12:41
                        Full Menu with Function Security                    Page  1

                        Responsibility: General Ledger User
                             Main Menu: GL_USER

                                                           Function Security Rule
                                                           ------------------------------
Level Prompt                 Sub Menu            Function              Description              Type       Name
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   1  Journals               GL_U_JOURNAL                              Enter actual journals
   2    Enter                                    Enter Journals        Enter journals
   2    Define Recurring                         Define Recurring      Define recurring journal
                                                 Journals              formula
   2    Generate Recurring                       Generate Recurring    Generate recurring
                                                 Journals              journals
   2                                             Budgetary Control     Inquire on budgetary
                                                 Transactions          control transactions
   2                                             Enter Journals:       Post in the Enter
                                                 Post                  Journals or Enter
                                                                       Encumbrances forms
   2                                             Enter Journals:       Reverse in the Enter
                                                 Reverse               Journals or Enter
                                                                       Encumbrances forms
   2                        XLA_SL_DRILLDOWN
   3                                             XLA: Subledger        Subledger Accounting
                                                 Accounting Details    Lines
   3                                             XLA: View             View Accounting Lines and
                                                 Accounting Lines      T Accounts
   3                                             XLA: INV View         Inventory Material
                                                 Material              Transactions
                                                 Transactions
   3                                             XLA: WIP View         WIP Resource Transactions
                                                 Resource
```

Registering Custom Reports/ Programs

- Typically used for custom reports
- Developer responsibilities
  - Create executable
  - Define parameters
  - Provide setup instructions

Registering Custom Programs

Request Security Groups

- Specify reports, requests and concurrent programs available to users via Standard Report Submission
- Assigned to a responsibility
- Convenient for users

Custom Request Security Group

User Management

- New in 11.5.10
- Founded on Role-based Access Control (RBAC)
- New Registration Processes
- Delegated Administration
- Role Inheritance Hierarchies

Registration

- Self-service account requests
  - Allows individuals such as customers to request new user accounts
  - Identity verification
- Requests for additional access
  - Existing users request additional roles
  - Eligibility based on current roles
- Account creation by Administrators

Registration Process

Delegated Administration

- Administrators more familiar with end users
- Can be designated at any level internally or externally
- Administration privileges
  - Determine users and roles managed
  - Based on users, roles and organizations

Role-based Access Control (RBAC)

- Improve existing security
- Organize security policies and function security
- One-time setup
- Permissions implicitly inherited based on role
- Simple modification of permissions for groups of users

Role Inheritance Hierarchies

- Roles are included in role-inheritance hierarchies
- Roles can have multiple sub-role and superior-role relationships
- Roles nested resulting in the inheritance of the sub-role by the superior role.

Traditional User Setup

Very Cool Profile Option

- Local Login Mask (FND_SSO_LOCAL_LOGIN_MASK)
- Allows attributes on login screen
  - Username hint
  - Password hint
  - Cancel button
  - Forgot password link
  - Register here link
  - Language Images
  - Sarbanes Oxley Text

Questions?

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