

AOL (Applications Object Library) is part of application layer which is a framework/library used in Oracle E-Business Suite (EBS) that provides essential components for application development and integration.

1. Basics of AOL

- AOL provides a set of services that assist in developing, managing, and deploying Oracle applications.
- It includes user management, security, concurrent processing, workflow, lookups, valueset, flexfield, request group, messages, migration, configuration etc.

In Oracle E-Business Suite, the Application Object Library (AOL) itself is not stored in a specific file path like traditional files. Instead, it consists of several key directories. Here are the main ones:

1. **\$APPL_TOP**: The main directory for application files and code.
2. **\$COMMON_TOP**: Contains shared files for all applications, such as libraries and utilities.
3. **\$DATA_TOP**: Used for data files, including database files.
4. **\$ADMIN_SCRIPTS_PATH**: Directory for administrative scripts and utilities.
5. **\$LOGS**: Contains log files generated during processing.
6. **\$REPORTS**: Holds report-related files.
7. **\$ORACLE_HOME**: Directory for Oracle software and database-related files.
8. **\$FND_TOP**: Specifically for the Foundation (FND) components of AOL, containing core files and configurations.

2. Important AOL Tables

- **FND_USER**: This table stores information about users, including usernames, passwords, and roles.
- **FND_RESPONSIBILITY / _vl/tl**: Defines roles and responsibilities for users within the application.
- **FND_MENU/ _entries_tl**: Stores menu definitions and their relationships to responsibilities.
- **FND_CONCURRENT_PROGRAMS**: Contains definitions for concurrent programs that can be executed in the system.
- **FND_LOOKUPS**: Stores lookup codes and their descriptions used throughout the application.

- **FND_APPLICATION:** Applications installed in the system.
- **FND_APPLICATION_VL/TL:** Views/table for applications, used for language-specific definitions.
- **FND_CONCURRENT_QUEUE:** Information about the concurrent processing queues.
- **FND_PROFILE_OPTIONS:** Defines profile options for user and system configuration.

3. Concepts related to AOL in our syllabus:

1. **Application User Creation:** Someone who uses the Oracle applications.
2. **Function Creation:** A specific task or action in the application.
3. **Menu Creation:** A list of functions grouped for easy access.
4. **Creation and Assign Responsibilities to user:** Giving users specific access rights based on their roles.
5. **System Administrator:** Manages the application settings and user access.
6. **Application Developer:** Builds and customizes application features.
7. **Concurrent Programs (Executables):** A concurrent program is a named definition that encapsulates an executable and allows it to be run within the concurrent processing framework of Oracle EBS.
8. **Value Sets:** Defined lists of acceptable input values.
9. **Profiles:** Settings that control user and application behavior.
10. **FlexFields:** Custom fields for capturing extra information (KFF for key data, DFF for descriptive data).
11. **Alerts:** Notifications about important events.
12. **Lookups:** Predefined lists of choices for data entry.