

Case Study

Energy Cooperative Upgrades Oracle EBS

Moves from EBS 12.1.3 to 12.2.9 & Oracle Database 12.1.0.2 to 19c.

In this case study, learn how Datavail helped use industry best practices to create an efficient and integrated system.

At a Glance

Our client is a generation and transmission cooperative that provides safe and affordable power to approximately 432,000 homes and businesses.

Project Objective

Apply Leading industry best practices to upgrade & compliment current processes for an efficient and integrated system.

Upgrade currently in use modules with Oracle EBS ERP from version 12.1.3 to version 12.2.9 (as is footprint).

Retrofit all CEMLI Objects (Active and Currently in use) as part of upgrade.

Upgrade the database to 19c.



Revenue: ~\$800 M



Industry: Utilities



Products: Oracle Cloud EPM Planning



Location: Mississippi

The Challenge

- **Upgrade:** 19c Database upgrade decision as part of R12.2.9 upgrade. The client had legacy systems (12.1.3 application and 11g database) and wanted to upgrade to 12.2.9 and 19c which has different architecture. A CDB with multiple PDBs (Multi tenant) is not currently certified for Oracle E-Business Suite. There needed to be a one-to-one relationship between CDBs and PDBs.
- **iProcurement Module:** As part of the upgrade, we noticed that the architecture for OAF pages changes. Also, identified many issues with the product during testing.
- **Integrations:** All integrations route from Custom External FTP Server (Hammy).



The Solution

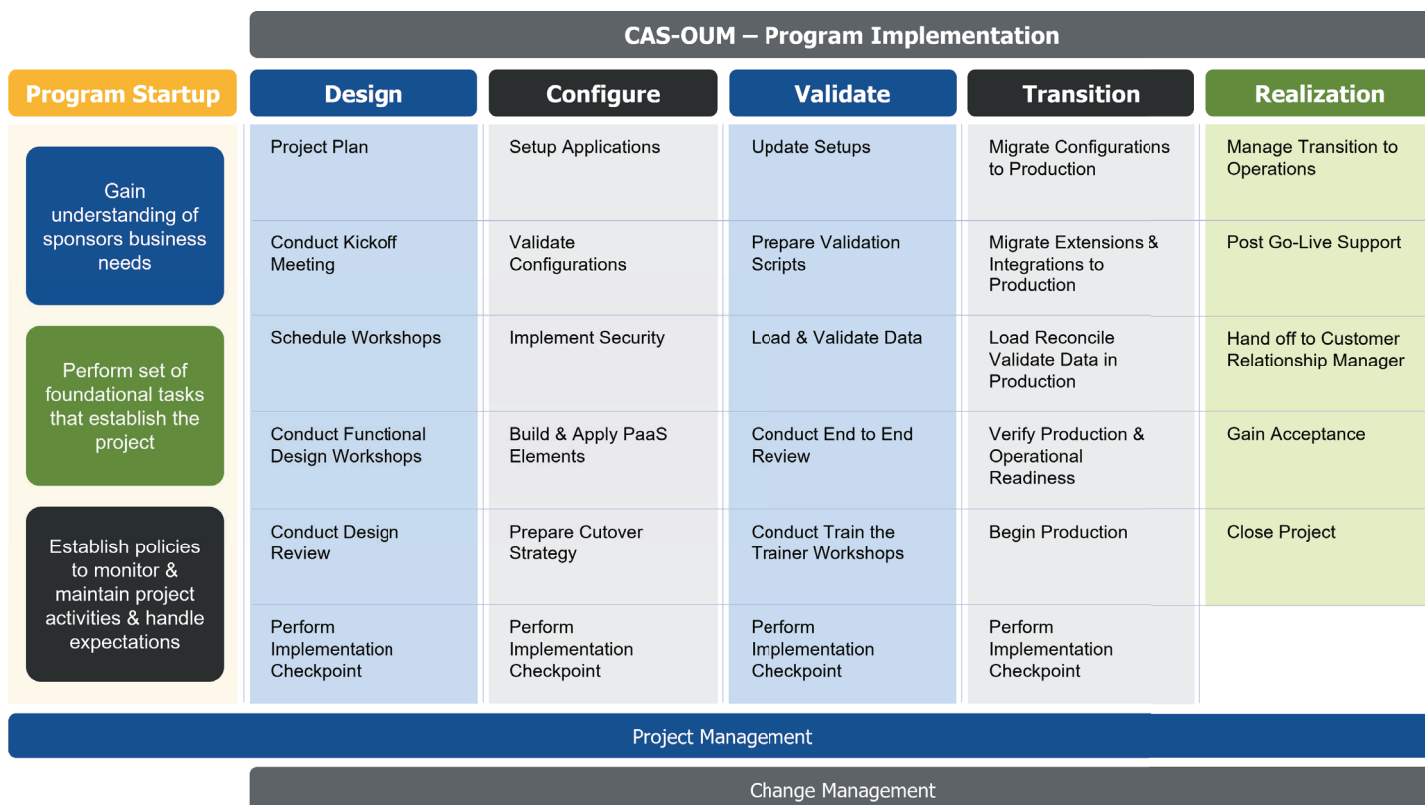
We followed a phased approach:

- For application: We first installed 12.2 Application File Layout and executed Patch ETC/MTCC patch then Release 12.1.0.2.0, then applied 12.2.9 Patch.
- For database: We upgraded to 12c then to Non-CBD 19c, and then finally to EBS 19c PBD.
- Any OAF customization had to be rebuilt as per the new OAF pages/controllers instead of retrofitting these changes.
- Analyze with & without custom OAF code to identify the issue and work with Oracle and apply the relevant patches to fix these issues.
- Any integration objects generating files in the \$APPL_TOP should be moved to fs_ne(non-editioned) file system so that the swapping of the file systems between fs1 & fs2 do not impact/interrupt the integration process.
- We had to modify all the custom integration Unix shell scripts and point to the folder in fs_ne file system.
- We maintained 2 sets of integration Unix Shell script code bundles -1 pointing to the FTP test server and the other one point to the PROD FTP server.

Our Approach

Datavail has maintained a successful track record for implementation by adhering to a proven methodology and approach. Datavail leveraged it's proven Unified Implementation Methodology tailored to suit the financial cloud implementation requirements of the client.

Our methodology follows a hybrid of Agile and Waterfall approaches. It incorporates the iterative configure and test approach of agile, yet spreads the solution components across multiple modeling cycles so the system solution process is spread across multiple iterations and is made easier to manage; thereby increasing the project team's chance of success.



Datavail is a company of over 1,000 professionals helping clients build and manage applications and data via a world-class tech-enabled delivery platform and software solutions across all leading technologies.