

Oracle Database Upgrade & Migration Services

3-Phase Approach for Faster, Less-complex Database Upgrades & Migrations

Oracle Database upgrades and migrations can be complex and daunting tasks. ennVee has developed a proven and tested methodology support service that covers three key phases: Assessment, Planning, and Execution. Each phase is detailed with specific tasks and deliverables that are produced, completed, and customized to meet each client's specific needs. ennVee also offers support throughout the entire project, from initiation to close out, with end-to-end governance by our seasoned Oracle DBA team.

Our Process

Phase I: Assessment

1. Identify the current state and taking inventory of the current Oracle Database environment.
2. Capture necessary information: current version, edition, architecture, etc.
 - A. Detail any advanced technologies in use like Oracle Grid and Oracle Real Application Clusters (RAC), Automatic Storage Management, ASM, etc.
 - B. Identify platform, hardware, virtualization, operating system, storage, etc.
 - C. Identify the current Backup process and tools utilized, Disaster Recovery, DR, and solution, if one exists.
 - D. Review options and additional features that are enabled and in use, and all dependent systems on the current Oracle Database.
 - E. Identify whether the latest, quarterly Oracle Security patches are applied.
3. Discuss project expectations with the client.
 - A. Upgrade and migration effort
 - B. Project timeframe
 - C. Foreseen road blocks
 - D. All related parties that will be affected by the project.
 - E. Pain points with the current Oracle Database, on-going issues, etc.
4. The Assessment concludes with a detailed deliverable based on the information gathered about the client's environment.

Phase II: Planning

1. The future state is identified.
2. Certification and support is confirmed from Oracle Support and other product vendors that are dependent on the database upgrade.
3. The upgrade path is identified and customized based on specific criteria to ensure that it is certified and supported by Oracle. This also includes applying the latest available, Oracle released Security patches. Specific criteria includes:
 - A. Client-specific requirements.
 - B. Platform migration or upgrade, Operating System, and environment architecture.
4. The project plan is formed through joint collaboration between ennVee and the client.
 - A. Include multiple iterations, client testing, and adhere to any client-specific requirements.
 - B. Frame each identified iteration with making available to be the latest Production data, and also a production-like environment. Pain points with the current Oracle Database, on-going issues, etc.

Phase III: Execution

1. Execution is documented for each iteration.
2. Technical documentation is built using the project plan deliverable from the Planning phase, and the initial iteration starts with the lower level, non-production environment. This includes all steps pre, during, and post, including any client-specific post steps, and collaborating with the client to address and resolve any issues identified during testing.
3. UAT should be performed on a Production-like environment with the same production architecture configuration. This will give the best estimate to compare and plan for the production upgrade.
4. The production upgrade plan is detailed down to the minute and builds in tasks for backup points, status calls, and decisions, as well as applicable, production-only tasks such as configuration of backups, monitoring, etc.
5. The production upgrade plan is reviewed at multiple levels and cleared for execution, including a review of the technical document.
6. Execution of the production upgrade is tracked as occurring with regular updates and communication.
7. The upgraded Oracle database is declared successful after validation and acceptance.
8. Post-upgrade support is provided to facilitate a smooth cutover to the upgraded Oracle database.
9. Post-go-live tasks are also completed, including shutdown and retirement of obsolete database and systems.
10. A final project review is conducted to close out the successful Oracle database upgrade.

Contact us to get started: (888) 848-6059



ennVee is a global professional services firm that provides Oracle application management, business, and technology consulting services to organizations around the world. Through automation-based application delivery, we help businesses accelerate project completion, reduce disruption, get it right the first time, and reduce the cost to deliver tomorrow's solutions today. To learn more, visit www.ennvee.com or contact us at (888) 848-6059.