

AMS Oracle Integration

A powerful, flexible project data repository

Advanced Management Solutions (AMS) provides project and resource management software together with implementation services to enable organizations to plan and control their work, time and resources effectively and in real time. AMS REALTIME products integrate with Oracle as an ODBC repository or as an integrated and secure system called the AMS Object Store (AOS).

AMS Object Store

AMS REALTIME products can store data in an Oracle database to provide a secure, managed, company-wide repository of project and resource management information. Reflecting the development direction of Oracle technology, the AMS REALTIME AOS (AMS Object Store) incorporates a sophisticated object oriented design. This technology is superior to that used by other project management systems in that it provides improved manageability, an established framework for extension and flexibility.

Secure

Comprehensive and sophisticated security features mean you have complete control over who can access and update data. Users of the AMS REALTIME AOS belong to access control groups, for example, a project manager can grant different types of access to their projects to one or more access control groups.

Managed

The AMS REALTIME Enterprise Solution provides tools to define and administer libraries of reference data to ensure consistent data definitions for projects, activities, resources, structures and costs. Duplicate data entry is avoided and administration effort is reduced. Moreover, by using common terms and definitions, and providing comprehensive features for user defined fields and tables, projects can be consolidated, compared and sliced-and-diced in many ways to support effective decision making. Resources, costs and skill usage can be analyzed across projects, location and other dimensions, as required.

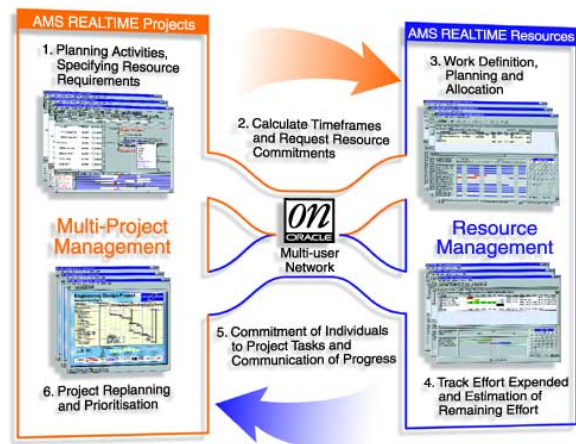
Company-wide

By consolidating multiple projects along with information on other work commitments, users can understand the impact of changes in project scope, delivery schedule or resource requirements on the organizations portfolio of projects.

INTEGRATION with other systems

AMS Object Store provides a set of rich API's that provide a high level interface to the underlying Oracle database without compromising data security, business rules and transaction validation. Direct access to the underlying schema is restricted and discouraged.

Alternatively, by using the ODBC capabilities of AMS REALTIME products, users can integrate with existing Oracle schemes. In this mode, the Oracle database acts as a simple repository of information.



Addressing the whole picture

Advanced Management Solutions recognises that effective resource management and effort tracking are essential components of a solution to support the management of multiple projects. For most organisations, with resources shared across multiple projects and operational work, the needs of project managers and resource managers must be addressed to make the best use of the organisation's resources to meet its goals. They don't just need to be able to understand the options today; they need to be able to forecast future requirements and the capacity to meet them.

The **AMS REALTIME** Enterprise Solution has been developed to help you to manage the complex process of project management in a matrix management organisation. The products are designed to be flexible to support different management processes. Here is just one example scenario of how the tools will support management of multiple projects.

- Using **AMS REALTIME** Projects, many project managers, each with many projects, can define work and assign generic resources to their project plans.
- These requirements can then be communicated to resource managers via the central repository. Using **AMS REALTIME** Resources, they can replace the generic resource assignments with people, taking into account other commitments such as other project tasks, operational work, training etc.
- These people, using **AMS REALTIME** Solo, can review the tasks that have been assigned to them and, periodically, record actuals and adjust the estimate-to-complete (ETC).

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- Using this timesheet information, project managers can review and approve actual effort and revised estimates, and they can then update progress on activities in their project plan(s).
- The project manager can then deal with the impact of change, aiming to ensure the project is on time and within budget.
- They would update the repository with the updated plan.
- This cycle would continue until the project is finished.

Integrating project and resource management with other corporate information systems

Project management has the power to shorten delivery times and integrate work across departments. To do this most effectively, project management systems should be integrated with your other information systems so that everyone has an accurate picture of the status of work in real time. The **AMS REALTIME** AOS offers a complete suite of Application Programming Interfaces (APIs) to enable comprehensive integration of your 'mission-critical' information systems with the project and resource management capabilities provided by **AMS REALTIME**. The APIs are designed to facilitate sophisticated integration between **AMS REALTIME** and ERP solutions such as Oracle Applications and SAP. This is in contrast to the restrictive interfacing provided by other products which offer only a limited subset of shared data. The **AMS REALTIME** APIs are complete, published and provide controlled access to all **AMS REALTIME** information. Furthermore, this suite of APIs is fully documented, available for customer use, and they enable you to leverage the power of **AMS REALTIME** in conjunction with your existing information systems.

System Requirements

Oracle Database 7.3+

Oracle Client installation (SQLNet, OCI Libraries)