

JumpStart Solutions

PanOptica



PanOptica provides a complete set of integrated tools for Program Project Management (PPM), and includes a coherent knowledge repository of milestone definitions, deliverables, and resource allocations to monitor and track the status of multiple projects. The technology was originally developed by NASA to support program and project managers in meeting NASA's R&D, launch and deployment goals through its capabilities to monitor project progress, analyze budgets, identify risks, and ensure the proper allocation of resources to promote successful projects.

Background

Current programs struggle to deal with information management issues such as:

- Complex hierarchical structures of project milestones, deliverables, and line management.
- Significant overhead and reporting precision issues arising from non-standard formats, unaligned assumptions, and separate financial management processes employed across project directorates.
- Adequately analyzing project lifecycle costs and reporting schedule timelines.

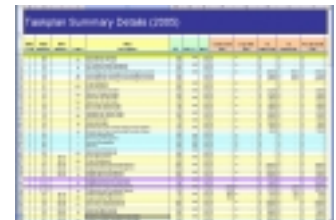
Benefits

As a result of PanOptica, workloads and error rates can be reduced, which will help achieve efficiency goals established by management. Managers can use PanOptica to improve operations by providing real-time information.

Sample PanOptica Reports



Aggregate Mthly Reports



Task Plan Summary Detail



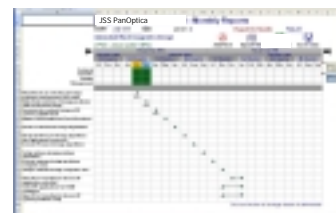
Task Plan



Monthly Report Checklist



Actual vs. Planned



Monthly Reports

PanOptica Features

- √ Scalable to handle all size programs
- √ Pre-defined spreadsheet interface enables offline data entry and online data upload
- √ Creating task plans including deliverables, resources, risks and budgets
- √ Periodic and irregular reporting of technical, schedule, budget and management status
- √ Tracking program milestones
- √ Managing risks and mitigation strategies
- √ Tracking budgets and downloading data from company data repositories
- √ Project life cycle costs reporting and evaluation
- √ Work force scheduling
- √ Performing integrated Earned Value Management
- √ Convenient aggregated views
- √ Extensible using simple query languages and familiar web page displays

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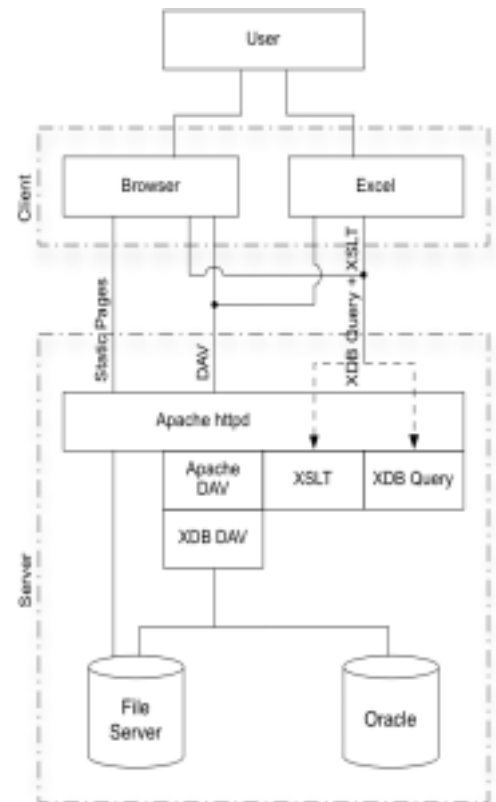
PanOptica Overview—Five Key Elements

1. PanOptica is a comprehensive, web-enabled tool which provides intuitive and enhanced web interfaces to automate the tedious process of monitoring, disseminating and tracking the progress of R&D program and project goals, deliverables, milestones and other project resources based on technical, schedule, budget and management criteria and merits.
2. The toolset is aimed at capturing and disseminating information to all participants by providing easy-to-use spreadsheet-like analysis features, such as displaying graphical views of resource allocations in the form of bar and pie charts.
3. The system improves communication among various enterprises and programs through the use of a flexible and extensible database framework.
4. The built-in middleware architecture enables efficient integration by utilizing the latest web standards and technology such as XML data exchange and WebDAV (Web Distributed Authoring and Versioning) protocol for collaborative document imaging.
5. The data architecture is designed to support model-based program management by abstracting project planning guidelines into PanOptica either directly via data elements and management monitoring algorithms, and/or via middleware such as portfolio risk, configuration, and other tools.

Strategic Goals

- Provide a useful uniform tool to manage the progress of programs, project milestones and their corresponding resources
- Improve communications among all stakeholders of a program: executives, resource and finance analysts, and project managers,
- Enable collaborative program management information to all participants at all strategic centers.
- Integrate with existing and new strategic information systems
- Deliver easy to use reports in familiar web and spreadsheet views.

PanOptica Infrastructure



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