

Version comparison for the Microsoft® Office Enterprise Project Management (EPM) Solution.

Compare the features and benefits of the EPM Solution 2007 with previous versions in the following areas:

- Visibility and Insights
- Easy to Get Started
- Enterprise Ready
- Extensible and Programmable

The EPM Solution 2007 consists of multiple products including the new Microsoft Office Project Portfolio Server 2007, which features are called out with *s in the table below.


Table 1




Table Name: Capabilities of the EPM Solution

KEY:









 = Feature included;

 = Improved in EPM Solution 2007;

 = New in EPM Solution 2007.

	Enterprise Project Management Solution 2002	Enterprise Project Management Solution 2003	Enterprise Project Management Solution 2007
Visibility and Insights			
Features			
Portfolio Builder* Enables organizations to quickly build a repository to consolidate all Business and IT investment “entities” (i.e., project, program, and application).			
Portfolio Governance Workflow Engine* Define multiple workflows to standardize, communicate, and enforce the portfolio governance framework across the organization.			
Portfolio Prioritization* Use the pair-wise comparison matrix to objectively prioritize your organization's business strategy			
























	Enterprise Project Management Solution 2002	Enterprise Project Management Solution 2003	Enterprise Project Management Solution 2007
and enterprise architecture standards / strategy for the upcoming planning period. Use best practice techniques to prioritize and evaluate competing investments within the portfolio.			
Portfolio Optimization* Employ sophisticated optimization algorithms to select the project and program portfolios that best align with the organization's business strategy			✓
Advanced Portfolio Analytics* Efficient frontier analysis, sensitivity analysis, business alignment assessment, and decision dashboard.			✓
Portfolio Dashboard* Allows users to create multiple personalized views (e.g. cost, resource, schedule etc) to analyze the investments from varying dimensions.			✓
Project Server Gateway* A bi-directional link between Office Project Portfolio Server 2007 and Office Project Server 2007, which enables Office Project Servers to a single instance of the Office Project Portfolio Server and managing the data exchange between the environments.			✓
Proposal Management: Enables project initiation on the web and provides better analysis and use of business processes to track potential projects.			✓
Activity Plan Track the full project lifecycle by managing work that follows the completion of a project.			✓
Visual Reports Use Excel and Visio to produce charts, graphs and diagrams based on Project data. Define custom report			✓

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templates to share with other Project users. These templates and reports can be previewed from a dialog box in Project.			
Desktop OLAP Cube Create customer reports or archive Project values with data exported from Project into an Access database and OLAP cubes. 5 cubes are generated: task time-phased, task non-time phased, resource time-phased, resource non-time-phased, and assignment time-phased.			
Enterprise Reports View available reports in PWA from SQL Reporting Services.			
Budget Tracking Define a budget at a high level (program or project) so the project manager can allocate funds and track costs against the budget.			
Reporting Data Service Complete data warehouse updated real-time with report friendly schema.			
Cost Resources Define planned and actual cost by a task. Cost Resources supports integration of Project with accounting systems.			
Task Statusing Display task details and allow comments to be exchanged between a team member and project manager. Supports export to Timesheets.			
Background Cell Highlighting Call out important dates, costs or tasks by changing the background color of cells in the table portion of the view.			
Multi Currency Supports multiple currencies in a single Project Server; set currency for each project.			

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Proposed Resource Assignment Proposed resources can now be added to project schedule which allows for high visibility into resource availability and assignment.		<input type="radio"/>	<input type="radio"/>
Multiple resource attributes Assign enhanced multiple skill attributes to individual resources.		<input type="radio"/>	<input type="radio"/>
Build Team in PWA Perform quick resource search and assignments to projects via a web-based version of Build Team from Enterprise.		<input type="radio"/>	<input type="radio"/>
Gantt Charts, calendars, and task sheets Manage and present project information in versatile views that communicate plans clearly.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Resource leveling Gain control when leveling resources and take advantage of scheduling features such as Task Calendars, priority values, project level priority, and contoured resource availability.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Portfolio reporting and analysis Gain insight into the health of a project portfolio by interacting with time-phased data and charts through a web-based portal.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Network diagram view Group tasks and display graphical indicators in the Network Diagram view.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Usage views Group assignments, roll up grouped time-phased information in usage views, and include totals when printing usage views.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Earned value calculations Use EVA calculations including Schedule Performance Index (SPI), To Complete Performance Index (TCPI), Cost Performance	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

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Index (CPI), Cost Variance % (CV%), and Schedule Variance % (SV%).			
Flexible tracking methods Use the status date to view progress and track actuals by % Work Complete, Actual Work Done and Work Remaining.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cube Building Service Full set of OLAP cubes for what-if analytics and reports, includes tasks, resources, projects, timesheets, issues, and risks.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Resource assignment Understand the impact of assigning a resource by using the Effort Driven setting. Search and filter for appropriate resources and graph their availability.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resource import Import resources into the resource pool from Exchange Address Book. Microsoft Project also allows for importing resources from Active Directory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material resources Specify consumable resources such as lumber or concrete and assign them to tasks. Allocate these resources in units that make sense, such as tons.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Generic resources Define and save frequently used skill and code profiles as generic resources for skill-based resource assignment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task linking Set up dependencies among tasks so that a change immediately displays the impact to the overall project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Easy to Get Started			

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Business Alignment Framework* This objective process helps map your projects to your business objectives to select the best portfolio.			<input checked="" type="checkbox"/>
Assignment Owner Now users can track time and assignments for other types of resources such as generic, cost, or material resources.			<input checked="" type="checkbox"/>
Multiple Level Undo Reverse the most recent series of changes, i.e., undo and redo changes to views, data and options.			<input checked="" type="checkbox"/>
Task Driver Pane Shows dependencies and resource constraints that drive the start data of the selected task. Click on these drivers to link to the relevant information.			<input checked="" type="checkbox"/>
Change Highlighting When changes are made to a project, then all impacted task and resource fields are highlighted.			<input checked="" type="checkbox"/>
Hijri Calendar A calendar based on the lunar cycle with years counted since the Hijra.			<input checked="" type="checkbox"/>
Manage non working time Named vacations and the option of setting up alternative work weeks lets users control and understand when resource can work.			<input checked="" type="checkbox"/>
Risks tracking Associate risks with tasks and projects, specify probability and impact, assign ownership, track progress to manage projects more efficiently. Requires WSS 3.0.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Help features Online training enables users to learn about features through the web. It also includes help features like "Spotlight."		<input type="checkbox"/>	<input type="checkbox"/>
Project report printing Utilizes WYSIWYG techniques.		<input type="checkbox"/>	<input type="checkbox"/>













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<p>Assistance Center integration Microsoft online Assistance Center integrated with Microsoft Project for additional help and support.</p>			
<p>Microsoft® Outlook® integration Team members can display tasks from their Outlook task list along with project tasks in one convenient location.</p>			
<p>Personal Task List Team members can get control of all of their tasks from multiple projects by adding and tracking tasks in a single location.</p>			
<p>Project Web Access Now based on WSS 3.0; new UI; imports SharePoint project task lists.</p>			
<p>Project Guide Build, manage, and report on projects and resources with the help of an interactive, wizard-like tool in the left hand pane of Microsoft Project.</p>			
<p>Web-based project portal Improved layout helps team members and stakeholders easily navigate through the portal. Group, apply colors to groups, display splits in the Gantt views, and employ additional AutoFilters.</p>			
<p>Status Reports Supports report aggregation and routing, while also allowing export of status reports to Word 2003 and higher.</p>			
<p>Automated email notifications Make sure project information stays current with automated email notifications triggered by events such as project updates, upcoming milestones, issues and more.</p>			

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Document Library Enhance collaboration and knowledge sharing on projects by linking supporting project documentation to projects and tasks. Requires WSS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Task creation and delegation Delegate tasks from leads to team members or peer-to-peer as needed through a Web-based portal. Team members can also create and reject tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft interface Navigate intuitively with familiar Office features such as Search, Task Panes, and adaptive pull-down menus.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft® Excel integration Easily import and export Excel data with a mapping wizard and Excel task list template, as well as other supported file types.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auto-accept rules Choose the approval method that best fits your project and save time by eliminating the need to review time reports every time they are submitted.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Issue tracking Associate issues with tasks or projects, assign ownership, track progress, and record resolutions to manage projects more efficiently. Requires WSS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Project updates Review, group, and filter summarized updates and task requests through the Updates page.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Enterprise Ready			
Features			
Active Cache Creates a seamless offline experience, providing improved performance and reliability.			<input checked="" type="checkbox"/>










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Programs Hierarchy of master project that can be saved and published to Project Server. KPI and analysis at the program level.			<input checked="" type="checkbox"/>
Deliverables A WSS list used to create and manage across project dependencies.			<input checked="" type="checkbox"/>
Timesheets Report on project and non-project work. Time and or progress can be reported at a summary or detailed level over the web or in Outlook. Supports fiscal or calendar periods, lock-down of closed periods, capture of non-project time.			<input checked="" type="checkbox"/>
Task Updates Task update approvals with preview via PWA, no round trip required.			<input checked="" type="checkbox"/>
Team Resources Assign a task to a team rather than an individual, so any team member can accept the work.			<input checked="" type="checkbox"/>
Assignment Owner A person who can manage time reporting on behalf of a material resource or someone offline.			<input checked="" type="checkbox"/>
Server-side Queuing Service Work requests are queued pending server availability to handle peak loads.			<input checked="" type="checkbox"/>
Edit resources Edit resource data via PWA.			<input checked="" type="checkbox"/>
Timesheet Lockdown Prevent time entry outside of date ranges using timesheet period lockdown tool to protect actuals.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Baseline Lockdown Administrators lock down baselines to prevent further baseline changes.		<input type="checkbox"/>	<input type="checkbox"/>
View multiple projects Open multiple project schedules from the web-based Project Center to review and compare.		<input type="checkbox"/>	<input type="checkbox"/>

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Permanent Resource Deletion Permanently delete resource from the enterprise pool instead of just inactivating them.		<input type="checkbox"/>	<input type="checkbox"/>
Proposed vs. Committed Resource Lock-in a resource or permit acceptance/rejection of an assignment.		<input type="checkbox"/>	<input type="checkbox"/>
Administration Administration of Microsoft Project Server is more flexible, with additional views, functionality, roles, and permissions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Project & Enterprise Templates Take advantage of new project templates. Save time and create consistency customizing your organization's best practices.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiple managers Provide multiple project managers with permissions to track specified tasks and resources in a project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Database Cleanup Deleting old information such as projects, tasks, resource task changes and status reports for easier Microsoft Project Server maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enterprise-wide resource pool Centrally stores all resource information including assignments, usage and availability across the organization. Analyze the types or resources needed on a project and locate optimal resource matches.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enterprise-wide resource availability Easily evaluate resource usage and availability across a project portfolio to better determine resource workload and capacity requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Enterprise Project Management Solution 2002	Enterprise Project Management Solution 2003	Enterprise Project Management Solution 2007
Enterprise resource assignment Select resources from the enterprise resource database based on criteria such as availability, skills, location, and more.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Timescales Display three timescales in the Gantt chart and other graph and usage views.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reschedule uncompleted work Maintain constraints when uncompleted work is rescheduled and select any reschedule date.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cross-project critical path Calculate the critical path within each inserted project or across all inserted projects to see a single critical path for the overall master project and keep track of cross-project dependencies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multiple baselines Save and store up to eleven full baselines over the course of a project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safe Mode Continue to work in Microsoft Project if you encounter an unexpected crash or file/registry corruption.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enterprise codes and custom fields Define standards through custom fields — using formulas, outline codes and pick lists (e.g., skill codes) — for projects, tasks, and resources to ensure consistent, accurate and complete cross-project and resource reports.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enterprise Global Store data common to all projects such as views, tables and enterprise fields through the Enterprise Global Template.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check-in and Check-out Protect the project portfolio by preventing multiple users from	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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simultaneously editing the same enterprise project at the same time.			
Extensible and Programmable			
Features			
Project Server Interface The PSI, along with the Project Server Eventing Side Events, exposes all of the functionality and data that client applications need to integrate fully with Project Server.			
Server Side Events Over 200 Before and After events can be supported, which supports use of Windows Workflow Foundation			
Server-Side Scheduling Revised project schedules can be updated on the web against Project Server; this no longer requires Project Professional.			
WSS Integration PWA views are provided as WSS Web Parts.			
New architecture All three tier architecture is exposed in .NET rather than ASP.			
Forms Authentication Shared logon for PWA and Project Professional.			
Sample Database A sample database allows clients to experiment with Project Server before production.			
Windows SharePoint Services integration Windows SharePoint Services comes with Windows Server and tightly integrates with Project Server and is the platform for PWA.			
SharePoint Web Parts SharePoint Web Parts provide dashboard generation using			

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Project Server functions.			
Active Directory synchronization Improved active directory synchronization.		<input type="radio"/>	<input type="radio"/>
Enhanced Proxy Server settings Improved Proxy Server settings provide for better integration with SharePoint Services.		<input type="radio"/>	<input type="radio"/>
Visual Basic® for Applications (VBA) Application-level events at the task, resource and assignment level enable developers to run code on various user actions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
OM add-ins Utilize COM add-ins to build customized solutions that meet specific needs of your projects.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
OLE DB provider Support for time-phased data and additional tables.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Microsoft Project Web Access Components Further extend and customize Microsoft Project Server with improved programmable interfaces of the controls.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scalability Enhance system performance through load balancing for the servers and clustering for the database server.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Web parts Easily create Web parts of Microsoft Project Server pages for dashboard views without the need to write Active Server Pages.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outlook dashboard Access Microsoft Project Server information within Outlook.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Project Web Access in Microsoft Project View Project Web Access from within Microsoft Project for a seamless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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project management experience.			
XML file format Use XML file format for sharing data with other line of business applications.			
Project Guide Customization Effectively promote best practices in processes or project management from within Microsoft Project.			
Security model New middle tier security layer uses XML and SOAP to transport data and provide security by filtering project data based on individual users.			
Extensible systems integration Integrate Microsoft Project Server with other document management or issue-tracking systems through an extensible server-side object.	