

Project Server 2010 Migration

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Silver Project and Portfolio Management





- Reasons to Migrate
- > Types of Migrations
 - Best Practices
 - Lessons Learned
- Post Migration Considerations
- > Backwards Compatibility Mode (BCM)
- > Overview of Project Server 2013 **Migration Process**
- Common Misperceptions
- > Planning
- > Q&A







Key Takeaways:

- Avoid common pitfalls during a migration
- Better prepare yourself for future Project Server deployments







- > Microsoft Partner with deep expertise in PPM solutions
- > 100+ Microsoft Project/Project Server deployments
- > 1,000+ Project Managers/Team Members trained
- > Certified on entire technology stack + Project Management:
 - PMP/PMI-SP, MCP, MCT, MCTS, MCSE



Silver Project and Portfolio Management







> 2007 -> 2010

- In-Place Upgrade
- Database Attach Migration
 - Project and SharePoint Content Databases
- Database Attach Core Migration
 - Project Databases Only















Lessons

Learned

Project Server 2003 Migration

> Virtual Migration Environment (VME)

- Only Hyper-V with Windows Server 2008 R2
 Minimum of 4GB virtual memory, pref. 8 GB
- Minimum of 4GB virtual memory, pref. 8
 Minimum of 4 virtual processors (cores)
- Dedicated drives for .vhd files (Determine needed space for database files)

> Reserved Enterprise Fields in Project Server 2007

• Project Type, Project Manager, Proposal, State, etc.

> Externally Edited Projects

Need to save in Project Professional 2003 before migrating

> Outstanding Status Updates (Task Updates)

• Default setting is to not migrate projects with outstanding status updates

Project Versions

• Determine best method to rename projects with _Published. Look at the <u>Rename Tool</u>.

Timing

- Migration Tool takes a long time to save projects
 - ~1 hour per 135 projects





Process Overview

- 1. Install SharePoint Server 2010 (Ent.) on all servers in the farm
- 2. Install Project Server 2010 on **all** servers in the farm
- 3. Run the SharePoint Config. Wizard on server containing CA
- 4. Run the SharePoint Config. Wizard on remaining servers









> Process Overview

- 1. If needed; separate project workspaces to a dedicated SharePoint Content database
- 2. Backup and Restore SQL databases to new environment
- 3. Install SharePoint 2010 and Project Server 2010 to the new farm (using different hardware)
- 4. Create a web application in SharePoint 2010 for the new $\ensuremath{\mathsf{PWA}}$
- 5. Add SharePoint 2007 content database to this web app using stsadm.exe (this will upgrade it to 2010)
- 6. Provision a PWA site and point to the restored Project Server 2007 databases (this will upgrade them to 2010)
- 7. Run the Bulk Update Project Sites link to update the URLs











> Process Overview

- 1. Backup and Restore the 4 Project Server databases to new SQL environment
- 2. Install SharePoint 2010 and Project Server 2010 to the new farm (using different hardware)
- 3. Create a web application in SharePoint 2010 for the new $\ensuremath{\mathsf{PWA}}$
- 4. Provision a PWA site and point to the restored Project Server 2007 databases (this will upgrade them to 2010)
- 5. Create new project sites, if desired, for each migrated project







Post Migration Considerations

Backwards Compatibility Mode: Turned on after migration/upgrade. Determine when you can deploy Project Pro 2010 to users and when you can train them on the new interface. Lessons Learned

- > All migrated projects get assigned to "Basic Project Plan" or whatever Enterprise Project Type (EPT) is the default. Need to manually assign those after the migration if desired.
- > When to create project sites if no sites were migrated.
- > Recreate Data Analysis views in Excel Services
- Have a Test environment to test the migration into and also to add new functionality. Then use <u>Playbooks</u> or <u>Solution Starter</u> tools to move settings into Production after the final migration.
- > Do you need Forms Authentication configured?
- > Redirect users to new environment









- > Prepare Windows PowerShell Environment
 - Use PowerShell to execute many procedures for the migration
- > Verify databases are in Native Mode
 - Project Server 2010 databases must be Native (no BCM)
- > Check data for known issues
 - Run SQL scripts to check for data issues
- > B. Copy Databases
- > Backup and Restore the SharePoint content databases that contains PWA and Project Sites
- > Backup and Restore the 4 Project Server 2010 databases





Misperceptions: Data Quality

> Problems in 2003, 2007, let's move to 2010 !!









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