SHAREPOINT 2007-2010 MIGRATION

INFRASTRUCTURE

HARDWARE

Minimum Requirement

APPLICATION SERVER(S)

- 8GB RAM
- 80 GB HARD DISK

DATABASE SERVER(S)

- SMALL
  - 8GB RAM
  - 80 GB HARD DISK
- MEDIUM
  - 16GB RAM
  - 80 GB HARD DISK
- ENTERPRISE
  - CAPACITY PLANNING

SOFTWARE

OS

WINDOWS SERVER 2008 STANDARD
WINDOWS SERVER 2008 ENTERPRISE
WINDOWS SERVER 2008 DATA CENTER
WINDOWS SERVER 2008 WEB SERVER WITH SP2

(64 BIT EDITIONS)

DATABASE

SQL SERVER 2005 WITH SP3
SQL SERVER 2008 R2
SQL SERVER 2008 WITH SP1

(64 BIT EDITIONS)

APPLICATION

SHAREPOINT 2010 FOUNDATION
SHAREPOINT 2010 STANDARD
SHAREPOINT 2010 ENTERPRISE
MS-OFFICE 2010

(64 BIT EDITIONS)

CLIENT MACHINE

MICROSOFT SILVERLIGHT 3
MS-OFFICE 2010

PROCESS

PRE-UPGRADE

Verify MOSS SP2 installed in SharePoint Server.

Verify Oct 2009 MOSS/WSS SharePoint CU Installed in SharePoint Server

Run PreUpgrade Checker
Stsadm -o preupgradecheck

The preupgrade reports basically stored in <sharepoint_root>\logs directory. The file name starts with "PreUpgradeCheck". Open the report and fix if there are any issues reported in the report.

Backup ServerFarm & Customization of existing MOSS 2007 environment. Test the backup once.

Verify & File the SharePoint Customization like
1. Custom Features
2. Site Definitions
3. Custom Field Types
4. Custom Web Parts
5. Event Receivers
6. Assemblies
7. Custom Files in <sharepoint_root>\bin directory
8. Web.Config
9. Custom Solutions
10. 3rd Party Softwares
11. Form Based Authentication
12. SSO
Etc.,

Prepare & Verify Checklist(s)

IN-PLACE

Install SharePoint 2010 in existing environment

FARM wide settings are preserved

Some manual updates are required.

Servers & FARM are offline while upgrade in-progress.

Small farms can take an hour. Depending on the farm size the upgrade will take an hour(s)/day(s).

Content Database will be automatically upgraded.

SSP will be converted/upgraded into new Service Applications.

POST UPGRADE Checks.

ATTACH DATABASE

Install SharePoint 2010 in separate environment

Upgrade Content Databases in new 2010 environment.

Multiple Content Databases can be upgraded at the same time.

The Server Farm & Custom settings are not preserved. Manually we need to transfer the settings from old farm to new farm.

Copying database from MOSS 2007 environment to 2010 environment will consume more network bandwith/ resources.

Missing Customization may cause loss of functionality.

SSP will be upgraded into new Service Applications. Only user profile store settings upgraded. Other settings like Excel, BDC, Search must be created from scratch.

HYBRID APPROACH 1

Install SharePoint 2010 in separate environment

Data read Only access to the users in existing sharepoint environment.

Copy all Server farm and customization settings to new sharepoint 2010 environment.

Backup content database from MOSS 2007 environment and restore in 2010 environment.

Run Upgrade Process.

Configure the farm for users to access the new 2010 environment.

HYBRID APPROACH 2

Offline Original farm. (Using Load Balancer to stop service requests)

Detach the content database in existing farm.

Run Upgrade Process.

Attach the Content Database and Upgrade the Content.

Visual Upgrade is used for SharePoint 2010 look.

TOOLS

Bamboo SharePoint Analyser

SharePoint Manager 2007

SWAT

SharePoint Administration Tool Kit

Quest Migration Manager

AvePoint

Metalogicx