



**dSHIFT**  
**by Xavor**

**TECHNICAL BRIEFING OF**  
**dSHIFT Migrator for SharePoint®**



## Table of Contents

dSHIFT Migrator for SharePoint® overview.....	3
Technical Briefing.....	4
dSHIFT Migrator Client.....	4
Basic Overview .....	4
System Requirements .....	5
Working of dSHIFT Migrator Client.....	6
dSHIFT Migrator Extensions.....	7
Basic Overview .....	7
System Requirements .....	7
dSHIFT Migrator Extensions Working .....	7

# Technical Briefing of dSHIFT Migrator for SharePoint®

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## dSHIFT Migrator for SharePoint® overview

dSHIFT Migrator for SharePoint® is built on-top of **SharePoint Migration API** using **latest Microsoft® technologies** with **extensible architecture** to provide ease of use and **100% definite results** to satisfy our customers' needs. **dSHIFT Migrator for SharePoint®** is a one stop solution to migrate data from WSS 3.0 to MOSS 2007, WSS 3.0 (Platform A) to WSS 3.0 (Platform B), MOSS 2007 (Platform A) to MOSS 2007(Platform B), WSS 3.0 (Platform A) to SharePoint 2010 (Platform C) or MOSS 2007 (Platform B) to SharePoint 2010 (Platform C). This tool is **capable of migrating tons of terra** bytes of data for top score companies.

dSHIFT Migrator for SharePoint® has plenty of benefits like:

- Complete SharePoint 2010 support
- Complete port of data with 0% content loss is guaranteed, no matter how big the content database is.
- Restructuring work seamless both in WSS, MOSS and SharePoint 2010.
- Connect to multiple SharePoint sites.
- Very easy to use, based on traditional drag and drop method.
- Complete security and permissions will be migrated as well.
- Migration of OOTB web parts like content editor, list and library view web parts.
- With the help of SOA based architecture, dSHIFT Migrator can connect to any site even outside your extranet and help in migrating content between disparate SharePoint machines



- Migration is verified through automated tools.

## Technical Briefing

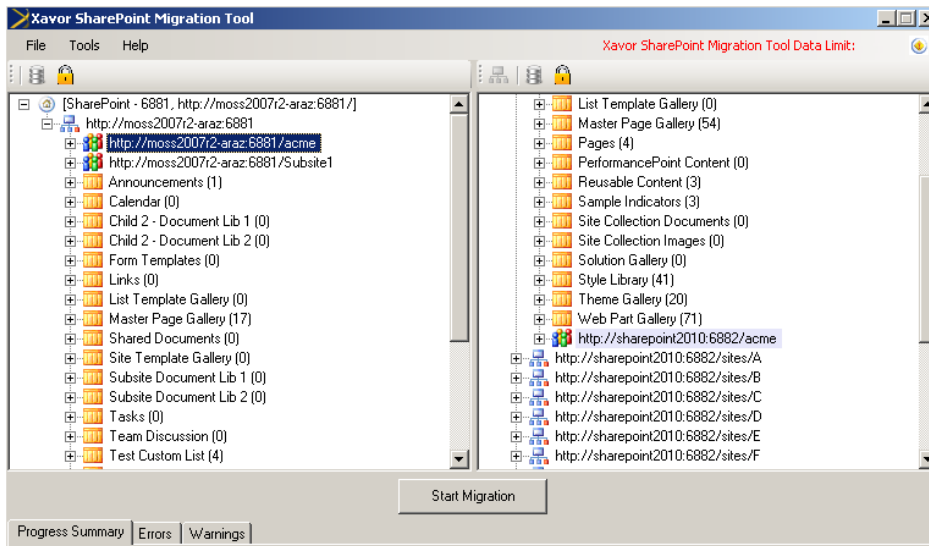
While discussing technical briefing of dSHIFT Migrator for SharePoint®, following two major components are overviewed.

1. dSHIFT Migrator Client
2. dSHIFT Migrator Extensions

### dSHIFT Migrator Client

#### Basic Overview

dSHIFT Migrator Client is the Graphical User Interface (GUI) with which user interacts. It is installed on the source or destination SharePoint WFE or even on a separate machine within the corporate LAN. User can interact with dSHIFT Migrator Client GUI through traditional drag and drop method to select the data (site/list) to be migrated. On the backend dSHIFT Migrator Client sends command to the dSHIFT Migrator Extensions to execute them. dSHIFT Migrator Extensions execute those received commands and return result back to dSHIFT Migrator Client which shows them to user on its GUI. So dSHIFT Migrator Client software works like controller software and it must be installed along with the other component (dSHIFT Migrator Extensions) to perform migration.



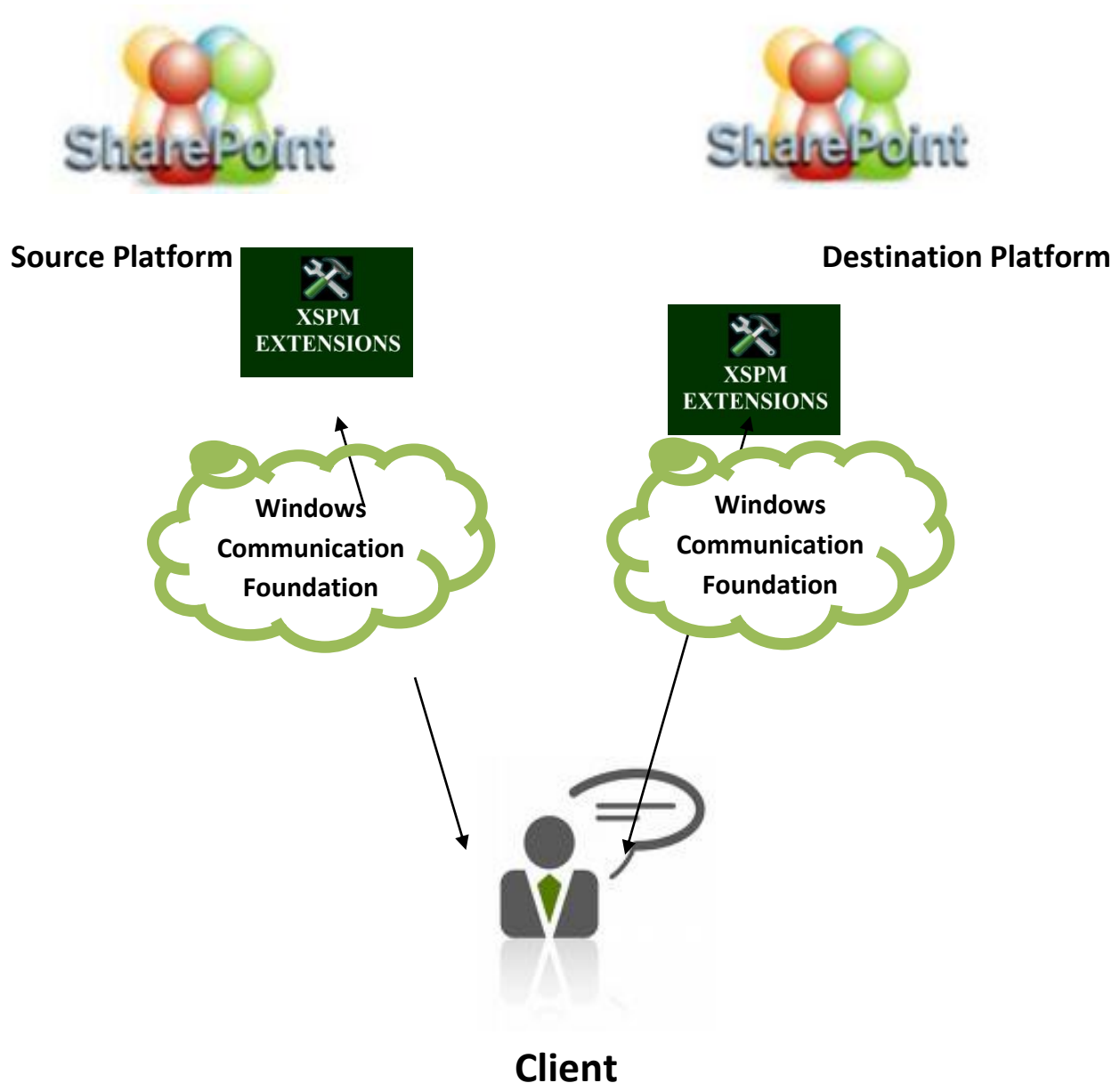
dSHIFT Migrator client is very easy to use. The whole process is based on drag and drop method which is quite simple and common to use. dSHIFT has also provided its users with proper dSHIFT Migrator client icon appeared after installation. During the migration process, dSHIFT Migrator client software shows item level information and current action on each and every item. Another impressive feature of dSHIFT Migrator Client is its tree view of web applications. Users can easily have a look on web applications using this technique. Another important perspective of dSHIFT Migrator Client is its usability. Usability is the measure of a product's potential to accomplish the goalsof the user. dSHIFT Migrator Client shows the status of each and every item that is migrated to the destination farm.

## System Requirements

- .Net framework 3.5 SP1 or higher is required to run the application.
- A proper windows environment i.e. Windows 7, windows vista, windows XP or windows server 2003, must be installed before installing SharePoint Migrator Client.
- Processor speed of 1.4 GHz or higher is required.
- A proper local area network must be established to execute the programs.
- 1 GB of RAM memory is recommended.
- 3MB of available hard disk is required in installation whereas when site or other content (list or file) is migrated to the destination server.

## Working of dSHIFT Migrator Client

dSHIFT Migrator Client software is very easy to use. Service must be installed on both source and destination SharePoint farms' any web front end (WFE) for SharePoint Migrator client to work. When user selects source SharePoint web application, dSHIFT Migrator client software requests to the available service installed on the WFE specified and then the service interacts with source server to make it available in the migration process. Same process is utilized in choosing destination SharePoint web application. Following figure explains the whole process more clearly .



After selecting source and destination SharePoint web application, next step is to start migrating data. User can choose to migrate from source SharePoint farm to the destination farm. dSHIFT Migrator Client involves three steps in migration of data

- Export data,
- Copy to the destination farm
- Import data.

If there is no error, data would be migrated successfully to the destination farm.

## dSHIFT Migrator Extensions

### Basic Overview

This particular software handles commands of dSHIFT Migrator Client software. It is executing software. The software executes the commands which are given by dSHIFT Migrator client software. It's a windows service running on SharePoint WFE. (Source and destination).

The dSHIFT Migrator Extensions:

1. dSHIFT Migrator Extensions for MOSS

### System Requirements

- .Net Framework 3.5 SP1 or higher is required.
- Windows SharePoint services 3.0, MOSS or SharePoint 2010 must be installed to run dSHIFT Migrator extensions also known as XSPM service.
- SQL server 2005 or SQL server 2008 is required.
- Microsoft® office SharePoint server MOSS 2007 or SharePoint 2010 is required.

Other PC requirements are same that is applied in case of dSHIFT Migrator Client.

### dSHIFT Migrator Extensions Working

During installation of dSHIFT Migrator extensions, it is to be noted that system requires entering a valid username and password that will be used in SharePoint service account. No other username or password will be good for its working.

Another important point in the working of dSHIFT Migrator Extensions is the role of Windows communication foundation (WCF). Windows Communication Foundation is a part of the .NET Framework that provides a unified programming model for rapidly building service-oriented applications that communicate across the web and the enterprise.

Here WCF plays the role of state of art and ensures reliability, usability and security of data during migration. dSHIFT Migrator can work remotely, that means users can perform migration from anywhere in the world where dSHIFT Migrator Extensions are installed.

Migrator Extensions handles requests (commands) of the dSHIFT Migrator Client. For example when user selects source or destination SharePoint web applications, dSHIFT Migrator Extensions, interacts with source and destination farms to make them ready to start migration. dSHIFT Migrator client sends commands to dSHIFT Migrator extensions and dSHIFT Migrator Extensions executes that command. So it is executing software and must be installed on all SharePoint front end web servers where ever you want migrate data to or from.

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