Infosys Workplace Transformation -

SharePoint Migration Factory Solution

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Introduction

A large scale SharePoint migration program involves migration of large amount of content from applications in older SharePoint versions to newer versions of SharePoint or Office 365. However, it is more than the migration of files and content because there are multiple pre/post migration fixes along with content migration to accommodate application customizations. On top of it, customized validation process is required to accurately verify the quality of migration.

Success of these migration programs depends on the agility and the reliability of its execution. Traditionally, it's done with the factory model of migration. This model helps improve quality based on the past learnings and can deliver consistent quality and speed. But, it needs substantial manual interventions to execute and monitor the migration jobs. Also, it makes the validation and rectifications time consuming.

Infosys Migration Factory is a tool kit with the best of migration processes and industry practices. Also, this allows extreme automation of complete migration execution.

With improved throughput and fidelity; the output beats the traditional SharePoint site to site migrations by 30 to 40%.

The Infosys SharePoint Migration Factory solution tries to address these challenges with extreme automation of migration and validation process. This requires minimal manual interventions. The automated processes take care of inventory preparation, dependency finding, automated execution and validation. It also takes care of common rectification and re-execution of migration jobs. With the advent of the Migration Factory, the operational timelines of entire migration can be reduced by **30 to 40%.**

Key Features

The solution helps in managing the entire migration process, running across multiple migration agents, from one central dashboard. You can manage scheduling the entire migration from Pre-Migration activities to Migration followed by Incremental Migration to Post Migration Validation. The BI Dashboard shows the status that can be comprehended easily by all stakeholders.

- Bundled solution with tools and utility for migration assessment, planning, execution and validation processes
- Customizable framework to accomodate program specific process changes
- Extensible migration validation framework with validation scripts pre-built for common scenarios
- Integrated Dashboards and KPIs for 360 Degree View of migration progress
- Integrated with leading migration tools for migration execution

Traditional Migration Vs Factory Approach

In traditional approach the site to site migration normally sequentially queues up the migration jobs for all site objects. Whereas in the Infosys Migration factory approach the individual tasks for site objects will be scheduled

from multiple migration agent servers; thereby following a parallel migration approach.
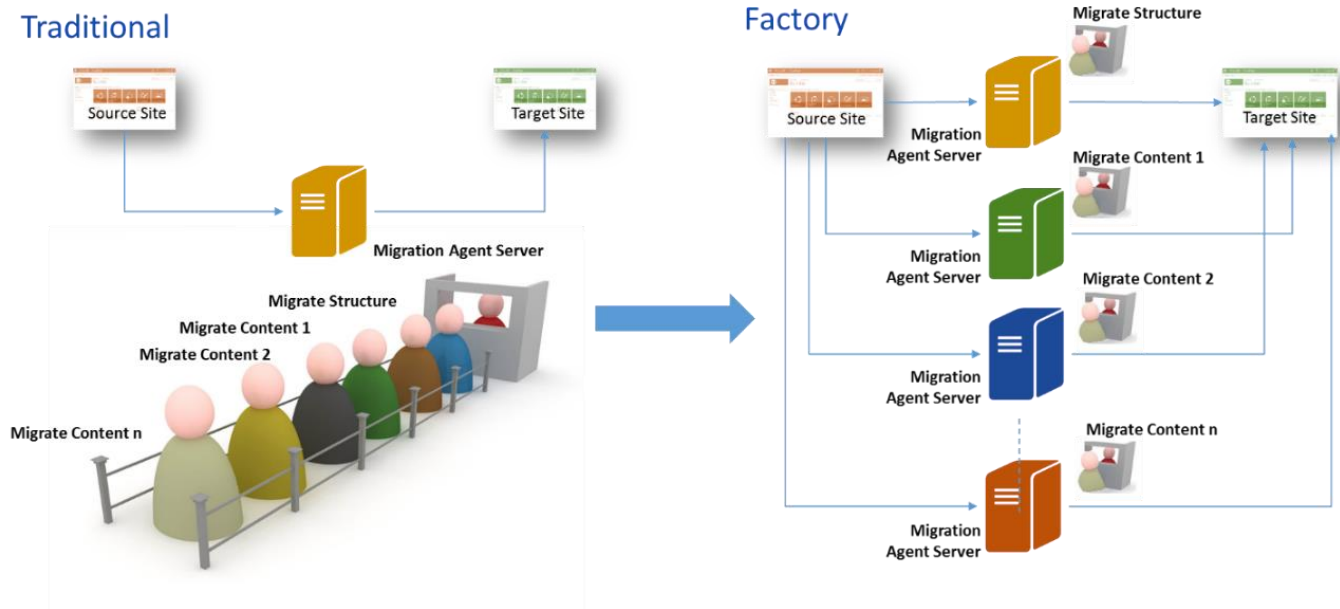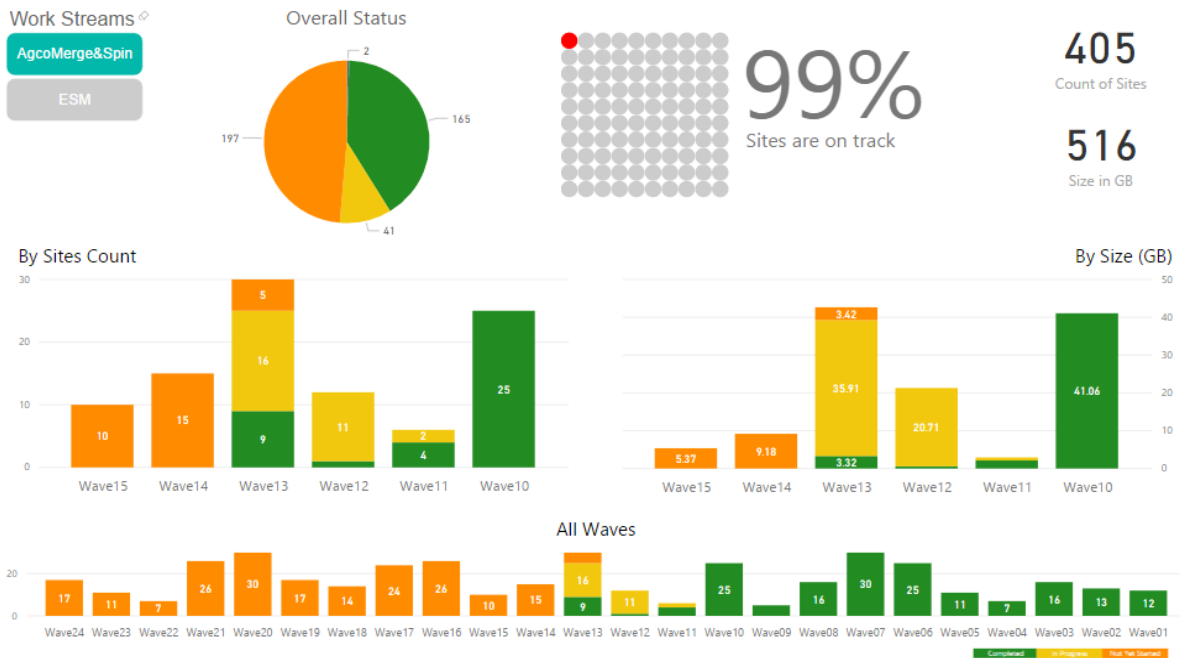

Figure 1: Traditional approach vs Factory Approach

With automation of migration task execution, our solution takes care of common rectifications and re-execution of the required migration tasks. We can track the migration status and progress at a very granular level. Also with the integration of validation jobs, the Migration Factory solution can process end-to-end site migration to validation without any manual interventions. Our USP is the reporting dashboard that's easy to understand and communicates all the relevant insights at a centralized place.

Reporting Dashboard

The Migration Factory Solution provides a centralized dashboard to check all migration-related statuses such as Jobs running status, sites and libraries migration status along with the time taken. The dashboard provides an overview of the complete migration program as well as provide drill down views to find individual site and site object status. As shown below, the migration status is depicted by Sites, Size, Work Streams etc.

This dashboard also provides a holistic view of the migration with prebuilt charts as well as provides the framework for further analysis of the live migration progress. Following are some of the reports available in the migration factory solution

- Migration Status Tracker by Projects & Waves
- Real-time status of Site Migration
- Site migration schedule and status
- Migration validation status and error logs
- Migration VM utilization report

Benefits:

Cloud Compatible Solution – compatible for both Office 365 and On Prem Migrations

Intelligent to fully utilize VM resources and active failovers
Improved Throughput and Fidelity with Zero Throttling

Real time monitoring of accurate migration status.

Configurable, Extensible with Easy Scale up/down
Flexible, modular and configurable for any SharePoint source and target

Migration execution with zero to minimal manual interventions.

Success Story

A large US-based chemical manufacturing client wanted to streamline SharePoint 2010 to SharePoint online migration program.

Infosys Migration Factory Solution helped client by reducing business interruptions and by speeding up the migration execution and the post migration remediation. We migrated ~2TB content spread across multiple business units in 15 waves.

Following are some of the manual effort reduction we have observed during migration of SharePoint on-premises sites to SharePoint online using Migration Factory Solution vs traditional migration approach.

Migration Phase	Traditional Migration Approach (Effort Hours)	Migration Factory Solution (Effort Hours)	Effort Reduction (Hours)
Tool Configuration & Monitoring	3	.35	2.65
Validation & Reruns	4.5	1.1	3.4

Average effort per Site Collection

The solution delivered a productivity benefit close to 20% and also optimized migration resource utilizations thereby accelerating the overall program execution.

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For more information, contact askus@infosys.com