

Server Consolidation Services

Analysis and Modeling for Optimal Server Consolidation

A server consolidation project can provide significant Total Cost of Ownership (TCO) savings. But such a complex, expensive project with high management visibility requires careful planning and execution coupled with continual measurement, assessment and refinement throughout the project lifecycle. Failure to deliver can be costly. Taking all of these steps – with no shortcuts – is the only way to ensure that a server consolidation project remains on track, on budget and ultimately delivers committed benefits with minimal impact to end users.

Permessa helps large organizations avoid the costly pitfalls of poorly planned and executed server consolidations. Our consultants draw from Permessa's vast experience of over 15 years in large-scale messaging and collaboration networks and use Permessa's industry-leading Control! solutions to plan and optimize large server consolidations. Performing comprehensive analysis and modeling in your current mail, replication and application environment, Permessa follows its Advanced Server Consolidation Methodology to project today's usage and traffic patterns onto potential topology models, developing an efficient consolidation plan that results in an optimal and balanced consolidated environment.

THE ISSUES

Failure to accurately plan and size server network and storage requirements often results in substantial performance problems, project delays and unbudgeted expenditures. Permessa addresses the following issues:

TOPOLOGY DESIGN

- Which servers should be consolidated "in-site" and which should be consolidated to major data centers
- Where is the optimal location for consolidated servers
- How mailboxes, applications and database replicas should be deployed across the consolidated servers
- What routing topology and replication schedule changes need to be made

INFRASTRUCTURE SIZING

- What usage, routing and replication loads will the consolidated servers need to handle
- How will the consolidation affect server-to-server and user-to-server WAN traffic and performance

PRE-CONSOLIDATION CLEANUP

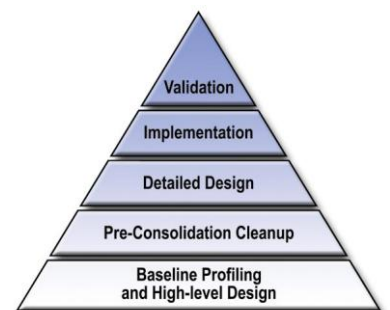
- Which mailboxes and database replicas are unused and can be removed before the migration
- Are there current routing or replication inefficiencies that could skew the planning numbers

PERMESSA ADVANCED SERVER CONSOLIDATION METHODOLOGY

Baseline Profiling and High-level Design – Present email and database usage patterns are the best predictors of post-consolidation loads. Permessa helps the Domino Consolidation Team perform enterprise-wide and site-by-site analysis of mail and application usage. This work includes identifying unused databases, determining peak hours and traffic volumes and quantifying replication traffic and mail and application file sizes.

Pre-Consolidation Cleanup – Cleanup minimizes the volume of data that needs to be migrated, provides a truer baseline of usage and loads, and removes problems that can impact operations during and after the project.

Detailed Design – At this stage, a detailed plan is created and modeled against current usage patterns to ensure an optimal topology.



Implementation – After the deep assessment and planning steps are complete, the production infrastructure - including hardware and software - is deployed, the WAN links are upgraded and users are migrated to the new systems in orderly phases.

Validation – Executing a large-scale consolidation is a long and complex process. By performing continual analysis throughout the project lifecycle, the Consolidation Team can rest assured that the plan and the underlying assumptions are valid. Adjustments, if necessary, can be made.

SERVER CONSOLIDATION BENEFITS

Permesssa's Server Consolidation Services are customized to provide critical knowledge and action plans for:

- **Cost Reduction** – design an optimized, well-balanced post-consolidation topology for mail and applications.
- **Elimination of Project Risk** – accurately size server, network and storage post-consolidation requirements the first time.
- **Minimized Organizational Impact** – deliver the project on time and at/under budget with minimal end-user disruption.

This critical knowledge and assurance is provided at little incremental impact on your team. With this knowledge, you are able to achieve an optimal consolidated topology that will maximize performance and minimize costs and, most importantly, ensure that the project is executed once and executed successfully.

Permesssa can additionally license its family of Control! solutions for post-project use. Control! provides the information you need to continually assess the performance of your consolidated environment, keeping your TCO low and QoS high. With Permesssa Control!, you can ensure that the benefits of your next server consolidation project are retained far in the future.



ABOUT PERMESSA CORPORATION

Permesssa Corporation (formerly DYS Analytics, Inc.) provides innovative products and services to manage today's top enterprise messaging platforms. Permesssa lets IT staff regain control of their IBM Lotus Notes and Domino, Microsoft Exchange, IBM Lotus Sametime and IBM Lotus Quickr/QuickPlace networks. Using Control!, administration costs are slashed, service quality is improved, user policies are created and enforced, security improved and delivery issues resolved. Permesssa's customers are large and small, global and local, including such firms as JPMorgan Chase, HSBC, Bank One, ABN AMRO Bank, Zurich Financial Services, IBM, CSC, Henkel, Novartis, Hewitt, PricewaterhouseCoopers, Schering, and Merck Serono, GlaxoSmithKline. For information about our products and services, visit www.permessa.com or send an email to questions@permessa.com.