



Look at your data center differently

PlateSpin PowerRecon provides new levels of intelligence and visual analysis for consolidating and optimizing the data center by collecting hardware, software and services inventory with absolutely no manual effort or disruptive agent technology. Additionally, PowerRecon remotely gathers workload utilization statistics to provide a clear and concise picture of the application services running in the data center and how their resources are being used.

The PowerRecon Consolidation Planning Module uses the data collected to determine the optimal fit between server resource supply and workload demand, taking the guesswork out of capacity planning, server consolidation, and continuous server optimization projects. Quickly and easily visualize how server workloads will look before and after consolidation takes place, determine how many servers are needed for consolidation and accelerate the project by automatically generating consolidation plans.

Combined with PowerConvert, PlateSpin delivers the world's first end-to-end server consolidation solution, from server utilization assessments, to the design and implementation of the optimization plan.

End-to-end server consolidations

Hardware and software asset inventory

Server workload data collection and sizing

Advanced scenario modeling

Agentless operations

Secure on-site data collection and analysis

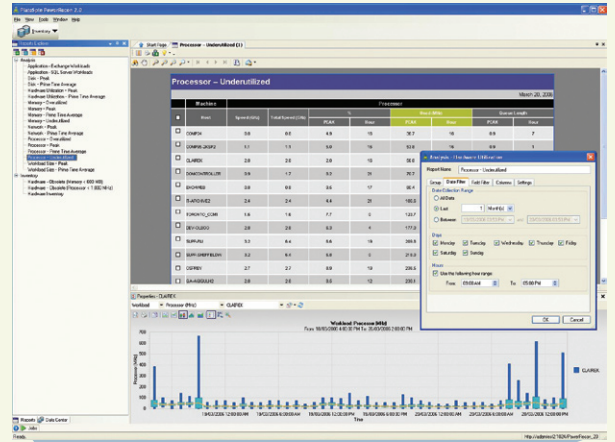
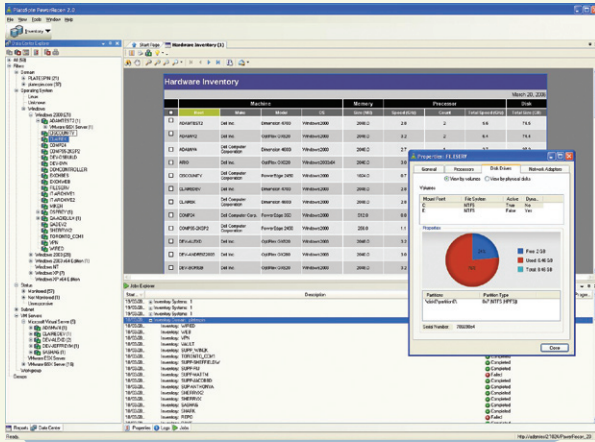
Rich visualization

Windows and Linux support

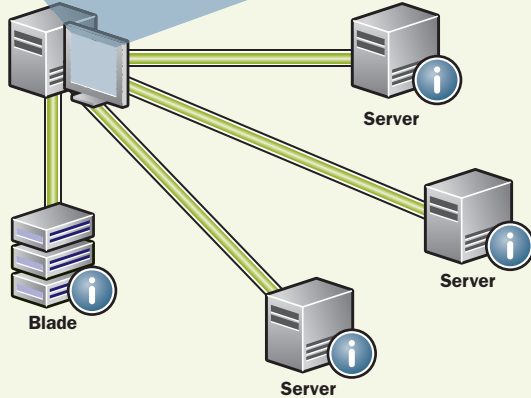
PowerRecon

Remotely and agentlessly identify server resources and workloads in the data center, and create a complete picture of hardware and software inventory, utilization levels and workload sizes.

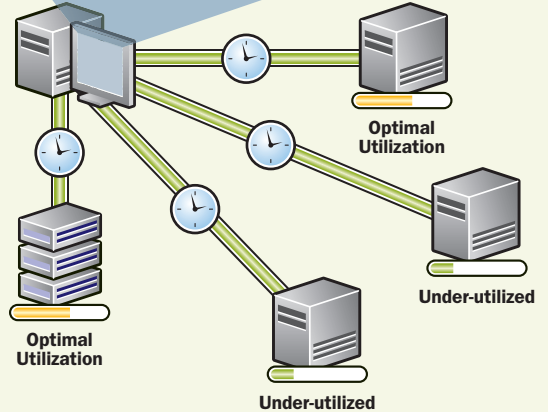
Assess



PowerRecon



PowerRecon



Step 1: Inventory

Remotely discover server hardware and software assets across the data center without having to install agents. Gather detailed information for each server such as operating system, installed and running applications or services, patch levels, CPU, memory, network and disk resources. Simply connect to the network, select relevant computers or domains, and data on hardware and resources are rapidly collected into a centralized database. Organize servers by pre-defined and user-defined groupings for organized analysis.

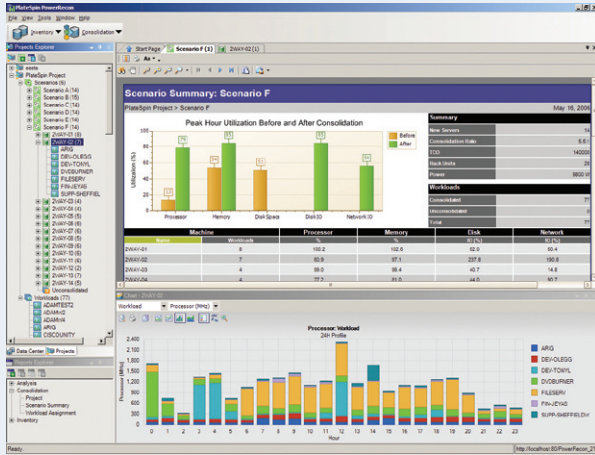
Step 2: Collect

Identify workloads and collect utilization data over days, weeks or months. PlateSpin PowerRecon collects the key data points to determine workload sizes and appropriate resource matching. Once completed, create dynamic reports to identify workload and resource mismatches and identify candidate workloads for consolidation or resource upgrading. Use expression sorting capabilities for the easy ranking of server workloads by CPU, network, disk, or memory inventory and/or performance. View summary workload sizing data or drill down to point-in-time granular levels. Export the data if needed to third party tools or copy highly visual graphs to business presentations.

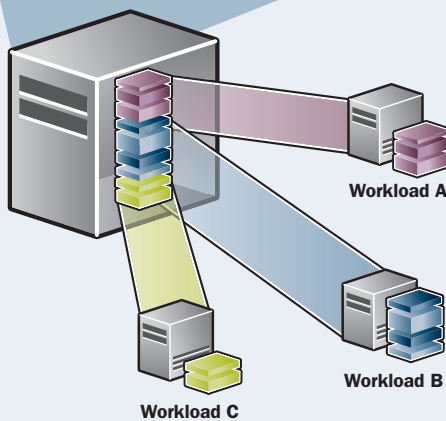
Consolidation Planning Module

Generate consolidation scenario plans to optimally combine and allocate workloads to new virtual hosts.

Design



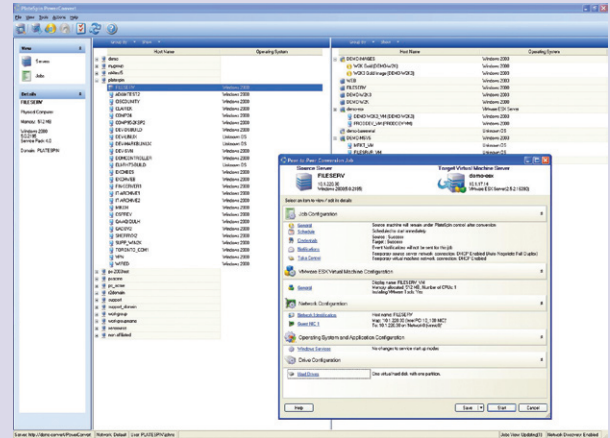
Consolidation Planning Module



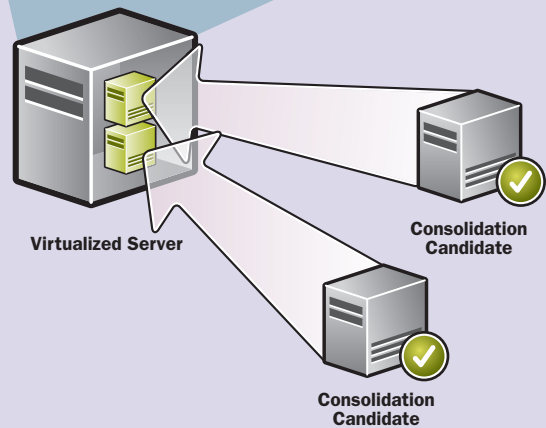
PowerConvert

Automatically stream workloads (data, applications, and operating systems) to any physical or virtual platform over the network.

Implement



PowerConvert



Step 3: Analyze

The PowerRecon Consolidation Planning Module provides the most advanced scenario modeling and planning capabilities available for server consolidation projects. Create scenarios for distributing workloads across servers to maximize utilization, and balance application workloads over time and across hardware resources to minimize resource contention. Use “what-if” modeling to determine different combinations of hardware and virtual hosts required for the project. Enter your own standard hardware builds to experiment with. Generate a consolidation plan with detailed project, scenario, and workload assignment reports and charts. Compare different scenarios based on total cost of ownership, consolidation ratio, rack space and power needs.

Step 4: Consolidate

Accelerate the server consolidation project by streaming physical servers into virtual environments such as VMware ESX Server, VMware Server and Microsoft Virtual Server using PlateSpin PowerConvert. Automate migrations between dissimilar physical servers or from physical servers to blades. PlateSpin’s PowerRecon and PowerConvert combine to form the only suite that automates the entire capacity planning and server consolidation project from start to finish.

System Requirements

PowerRecon Server

Minimum Requirements

- Windows 2000 Server
- Windows 2003 Server
- Pentium III, 2 GHz, 2 GB RAM, 4 GB Free Disk Space
- .NET Framework v2.0 and MDAC v2.6

Multiple Platform Monitoring

- Microsoft Windows NT 4.0, 2000 (Advanced) Server, 2003 Server, XP, RedHat Linux 7.3, 8.x, 9.x, AS 3, ES 3
- SuSE Linux (coming soon)

Virtual Machines

- VMware ESX Server
- VMware Server
- Microsoft Virtual Server

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PowerRecon Features

Secure On-site Data Collection and Analysis

Data is controlled and contained by the user for optimal security. PlateSpin PowerRecon keeps all proprietary data contained in the data center. No need to export data or ship it off-site for analysis. PowerRecon provides secure data analysis and reporting without the risk.

Agentless Operations

Maintain server integrity. PlateSpin PowerRecon is completely agentless, eliminating the need to physically touch data center servers. Servers remain unchanged, all performance and inventory data is collected remotely via standard OS instrumentation capabilities.

Rich Data Modeling

Define parameters most relevant to your data center. Analyze and compare resources and workloads for a deeper view of utilization trends to make better consolidation choices. Get a high level summary or drill down into the data for the various levels of granularity required by VARs, SIs, System Administrators, Data Center Architects and Data Center Managers.

Virtual Infrastructure Aware

Deeper insight into server hierarchies. PlateSpin PowerRecon is aware of the difference between virtual machines and physical servers. Easily identify physical servers, virtual machines and virtual host hierarchies throughout the data center at a glance.

Build Custom Reports

Quickly identify the servers most appropriate for consolidation. Define resource and workload parameters and generate custom visual reports to accelerate data center assessments and server consolidations. Sort servers by workload quickly to identify trends in resource utilization and match resource supply with workload demands over time. Isolate consolidation candidates and identify workload characteristics before and after consolidation.

Data Export

Easily capture and export data. PlateSpin PowerRecon data can be easily exported to a number of formats. Users can export data to HTML, PDF, Word, CSV, Excel or Images for report creation or further data analysis. Additionally, raw data can be extracted directly from the database to business intelligence solutions for advanced statistical analysis.

Consolidation Planning Module Features

Consolidation Planning

Automatically generate server consolidation plans. Completely automated determination of the optimal fit between server workloads and virtual resources.

Workload Packing

Analyze and pack workloads over five dimensions. The Consolidation Planning Module automatically analyzes the five critical dimensions of workload: CPU, Disk, Memory, Network, and Time across hundreds of servers simultaneously, providing consolidation plans that maximize utilization while minimizing resource contention.

Scenario Modeling

Customize consolidation scenarios to meet unique data center needs. Create custom scenarios with user defined target servers specifications and virtual hosts, or use the included server templates to create an optimal consolidation plan.

Time-Based Analysis

Account for time interval dynamics. Stagger multiple workloads evenly across virtual hosts and account for hourly peaks and valleys inherent in server utilization trends.

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