PLATESPIN POWER RECON

## Scan, discover and analyze all servers in the data center.

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. PowerRecon also remotely gathers workload utilization statistics for 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 determines the optimal fit between server resource supply and workload demand, taking the guesswork out of capacity planning, server consolidation, disaster recovery 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. Servers can also be protected by allocating them to a suitable virtual recovery environment in case of a service outage.

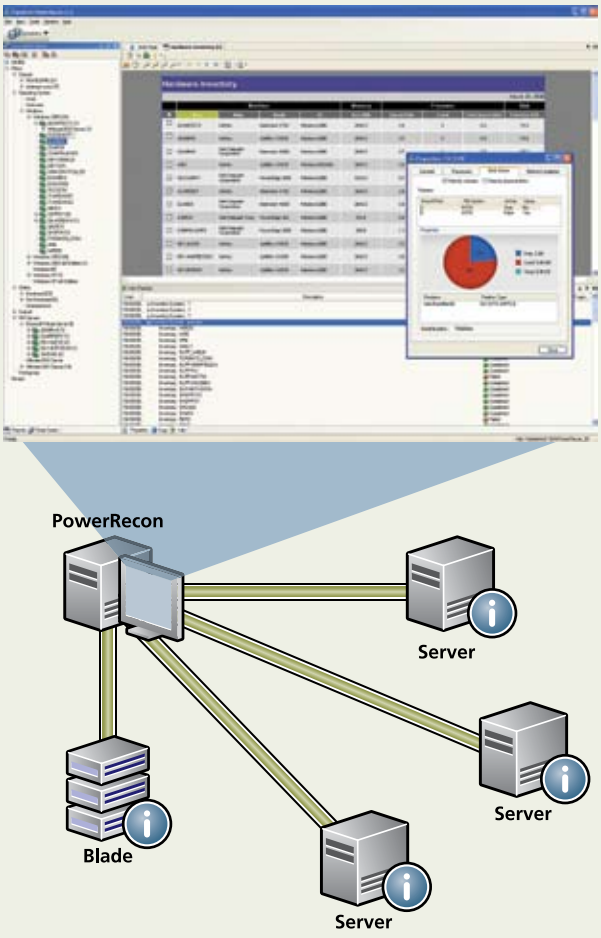
- **End-to-end server consolidations**
- **Flexible backup and restore**
- **Hardware and software asset inventory**
- **Advanced scenario modeling for consolidation and disaster recovery**
- **Agentless operations**
- **Secure on-site data collection and analysis**
- **Rich visualization**
- **Windows and Linux support**
- **Multi-site data collection and analysis**
- **Server workload sizing**

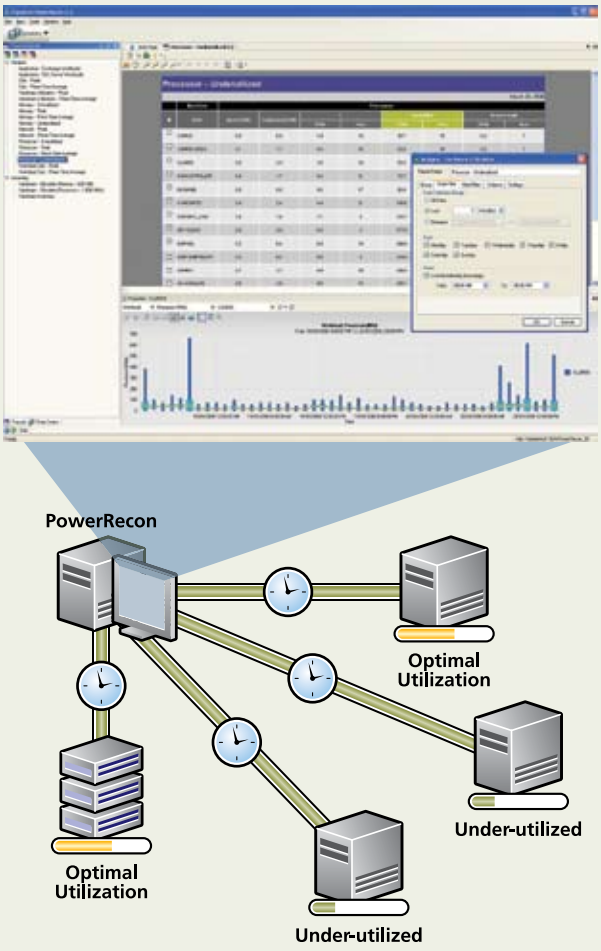
PLATESPIN

## 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




### 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 is collected in 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 to determine workload sizes and appropriate resource matching. Create dynamic reports to identify workload and resource mismatches and identify candidate workloads for consolidation or resource upgrading. Rank and sort server workloads by CPU, network, disk, memory inventory and/or performance. View summary workload sizing data or drill down to point-in-time granular levels. Collect and analyze data from multiple sites to create a more complete picture of the data center. Export the data to third-party tools or copy visual graphs to business presentations.

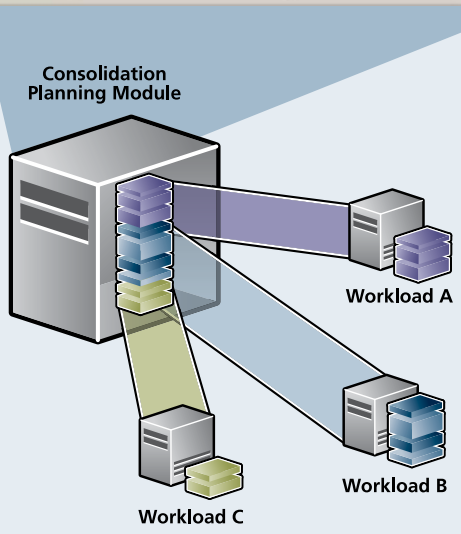
## Consolidation Planning Module

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

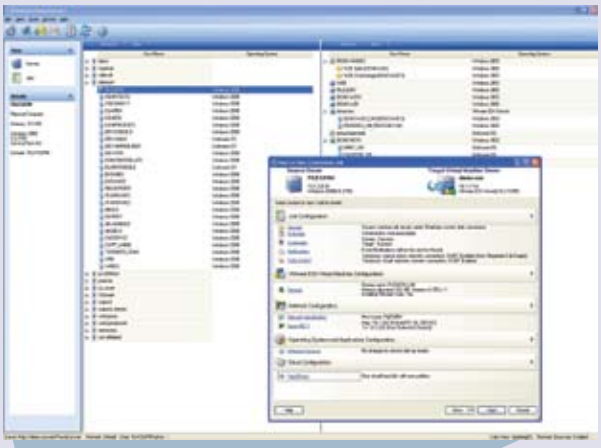
## PowerConvert

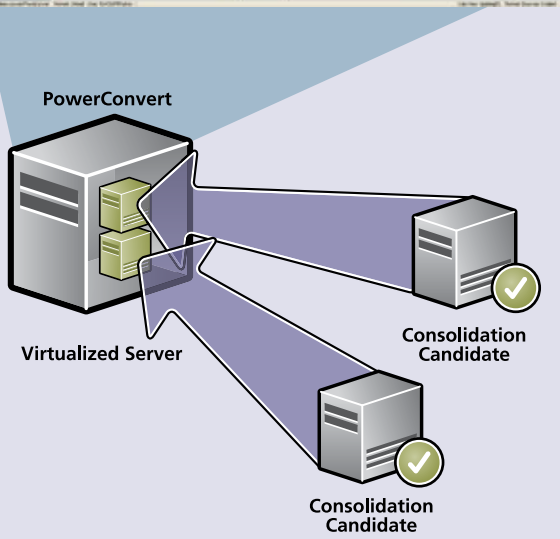
Automatically stream data, applications and operating systems to any physical or virtual platform over the network.

### Design




### Implement






### Step 3: Analyze

The PowerRecon Consolidation Planning Module provides the most advanced scenario modeling and planning capabilities available for server consolidation and disaster recovery projects. Create scenarios for distributing workloads across servers to maximize utilization. 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. Generate consolidation or disaster recovery plans 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

* Minimum requirements are based on 1-10 servers. Requirements scale as the number of monitored servers increases.

**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 contained for optimal security
PlateSpin PowerRecon keeps all proprietary data contained within the data center. With no need to export data or ship it off-site for analysis, PowerRecon provides secure data analysis and reporting without the risk.

**Multi-site Data Collection and Analysis**
Get a complete picture of the server network
Use PlateSpin PowerRecon to quickly and easily collect and analyze data from multiple geographically-dispersed data centers. Consolidate multiple PowerRecon databases for macro-analysis and planning.

**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 and disaster recovery 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 managers.

**Virtual Infrastructure Aware**
Gain 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 servers 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**
Capture and export data for analysis
PlateSpin PowerRecon data can be easily exported to a number of formats including 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
PowerRecon completely automates the process of determining the optimal fit between server workloads and virtual resources.

**Disaster Recovery Planning**
Develop intelligence-based disaster recovery plans
Identify suitable virtual recovery environments and establish optimal pairings between physical production servers and virtual recovery targets based on resource utilization requirements.

**Scenario Modeling**
Customize consolidation scenarios
Create custom scenarios with user-defined target server 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 the hourly peaks and valleys inherent in server utilization trends.

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