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ISI Server/Desktop Consolidation Software Suite
(ISISCon™)

ISISCon™ is a Web-enabled application that combines the data collection capabilities of Snapshot with a series of software modules designed to analyze, model, design, plan, and document user defined server consolidation scenarios.

ISISCon™ is an independent modeling platform that supports consolidation projects regardless of the virtualization technology being evaluated or deployed, such as, VMware, HyperV, Citrix, etc.

ISISCon™ has been used for consolidation projects ranging from <100 servers to over 4000 servers.

ISISCon™ Software Modules

Workload Inventory
A secure Snapshot database upload function that populates the ISISCon™ database.

Workload Selection
Enables the user to select the workloads to be evaluated by ISISCon™. The user may select all of the workloads or a subset depending on the projects goals. This flexibility enables the user to evaluate different workload scenarios.

Candidate Selection
ISISCon assigns a Factored Score to each workload based on four (4) utilization metrics; the CPU, RAM, Network interface(s) and Disk I/O. This score, combined with user definable weighted values, is then used by the Candidate Selection module to identify which workloads are candidates for consolidation. The output of this module is an Excel spreadsheet that shows which workloads are selected ("Included") for modeling, which workloads are "Excluded" from modeling and the utilization values and Factored Score for each.

Host Modeling
Models the "Included" candidates onto a target consolidation server(s). This module allows the user to define the configuration of the target server including the CPU speed, the number of CPUs, the number of cores, RAM, their utilization goals and the efficiency of the virtualization software. The output of this module is a list of virtualization servers and the workloads assigned to each.
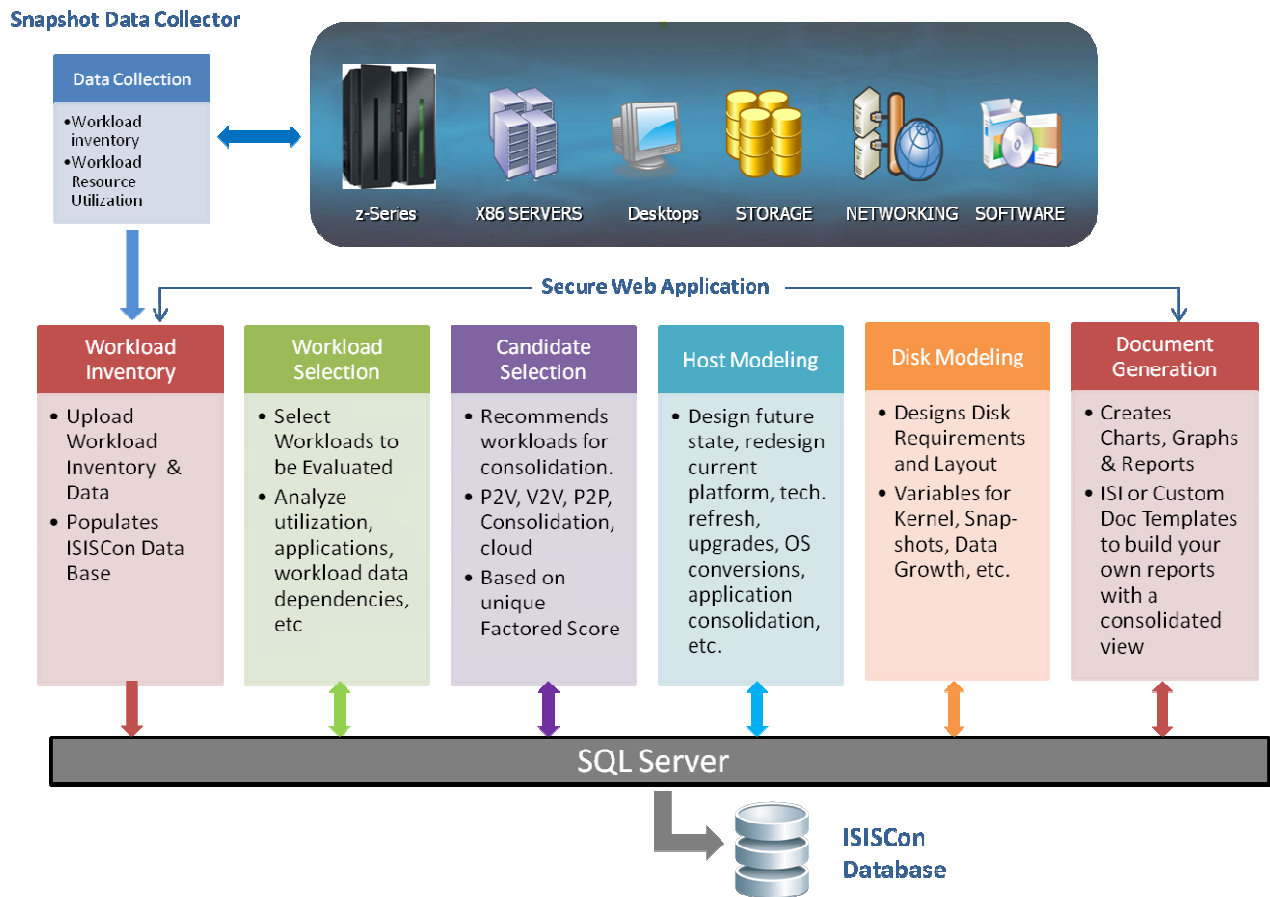
Disk Modeling
Models the amount of disk required to support the consolidation including sizing and mapping the VMDKs to disk volumes. This module allows the user to specify various disk-sizing parameters, such as, minimum VMDK size, allocated Free Space, Snapshot space, and virtualization kernel requirements. The output of this module includes anticipated disk utilization in I/Os per second and MB/sec, a summary diagram of the disk requirements from the perspective of Data, Free, Kernel, etc... In addition, an Excel spreadsheet is created that shows the VMDK assignments, VMDK size and Volume allocation.

Documentation Generator

Captures the data and reports created by preceding modules and generates a Microsoft Word formatted report. The content and layout of this report is defined by the user through creation of a report template document. The user can select from over 40 pre-built charts, tables and graphs to populate the template. This template may be unique to a specific project or a generic template that may be used for multiple projects. The output of this module is a Word document that contains text, charts, graphs, spreadsheets, etc..., that are unique to the current project.

ISISCon™ Benefits

- ✓ Hypervisor independent
- ✓ Flexible, user driven
- ✓ Web-enabled
- ✓ Reduce server costs

- ✓ Reduce virtualization software costs
- ✓ Increase storage utilization
- ✓ Reduce energy and floor space costs

Snapshot Data Collector

Data Collection
- Workload inventory
- Workload Resource Utilization

z-Series X86 SERVERS Desktops STORAGE NETWORKING SOFTWARE

Secure Web Application

Workload Inventory	Workload Selection	Candidate Selection	Host Modeling	Disk Modeling	Document Generation
• Upload Workload Inventory & Data • Populates ISISCon Data Base	• Select Workloads to be Evaluated • Analyze utilization, applications, workload data dependencies, etc	• Recommends workloads for consolidation. • P2V, V2V, P2P, Consolidation, cloud • Based on unique Factored Score	• Design future state, redesign current platform, tech. refresh, upgrades, OS conversions, application consolidation, etc.	• Designs Disk Requirements and Layout • Variables for Kernel, Snap-shots, Data Growth, etc.	• Creates Charts, Graphs & Reports • ISI or Custom Doc Templates to build your own reports with a consolidated view

SQL Server

ISISCon Database

Infrastructure Solutions, Inc. (ISI) is based in St. Paul, Minnesota and has been providing leading software solutions to enterprise IT organizations worldwide through distinguished industry leaders as international channel partners.

To learn more about ISISCon™ and how your business can increase its productivity and profitability please visit http://www.isiisi.com or contact us at sales@isiisi.com.