

Save money, use your servers wisely

Harvest is software that can make your server estate more efficient, can save costs and reduce unnecessary environmental impact.

It finds the most underused servers in your estate and tells you who owns them and what applications they run.

It persuades stakeholders to use their servers more wisely by giving them key information: how much heat they generate, how much power they take, how much they cost to run, even their original purchase price.

Harvest provides a software supported methodology to help change server usage and continually monitor progress.

Ecologically Aware Business

Many studies have highlighted the part that IT plays in the carbon footprint of a business, especially data centre servers and cooling. It is a growing global issue.

Area	Server Growth	Power Growth
W Europe	93.9%	120.5%
N America	83.9%	93.6%
Japan	82.1%	92.5%
Asia/Pacific	138.0%	175.9%

Growth in servers and power consumption between 1999 and 2005*

Harvest makes organisations focus on the wisdom of their energy consumption, and highlights the waste that takes place.

Bottom Line Benefits

Using fewer machines more efficiently will save money in capital, depreciation, power and staffing as well as carbon footprint and deferring new data centres.

Sometimes, bigger servers are needed as your business grows. Harvest can help pinpoint the bottlenecks and help direct investment to needed areas, rather than a scattergun distribution of money and resources.

Company Benchmarks

Data centres and running a server estate are significant costs for medium and large organisations. Harvest produces a simple set of numbers that describes your organisation's overall use and efficiency, building into a trend over time.

The estate efficiency can be compared with other companies in the same sector and help formulate overall plans.

Harvest Benefits

- Cost and Environment Benchmarks**
 Calculates enterprise computer capacity, efficiency and environmental impact.
- Management Decision Support**
 Advises with dashboards, generated assessments and reports.
- Relieves Data Centre Pressure**
 Curb new demands on space, cooling, power and staff.
- Locates Underutilised Servers**
 Reduce costs by recycling idle or redundant machines.
- Consolidate Application Loads**
 Increase efficiency by sharing existing capacity.
- Increases Teamwork**
 Records low level tactics for machines for greater coordination.
- Methodology for Continuous Improvement**
 Provides method and tools to support initial remediation of capacity and continuous improvement.

The analysis of an enterprise server estate delivered by Harvest's portal



“Harvest makes organisations focus on the wisdom of their energy consumption”

Harvest Benefits

Improve Your Efficiency

Harvest divides the machines among various stakeholders: business owners, locations, applications and organisation streams. For each area it gives league tables of machine efficiency and calculates a traffic light status for each (although our traffic lights have five colours).

Your organisation benefits from the comparison of group efficiencies and resource usage, helping to produce plans to equalise usage.

The league tables can be viewed by everyone in your organisation by using a simple web site or reading from the regular reports.

Process Framework

To convert the analysis into reality, Harvest provides a transformation process, designed for diverse business requirements and multiple IT platforms found in typical enterprises.

The portal message system stores interactions between stake holders for each system to build an accumulation of knowledge. This helps in making new staff more effective, more coordinated decisions and contributes to the logged strategy.

Demonstrate Progress

Harvest tracks enterprise performance metrics over time so that improvements in efficiency can be demonstrated and new situations discovered.

The portal can be integrated with existing management processes and automation tools to speed the corrective actions.

Ubiquitous monitoring leads to the most savings and best data centre management.

Get Up and Running

Evaluate Harvest by contacting System Garden or your reseller. Look at the sample data sets on our website to see what can be achieved. Harvest can run over the internet or as a locally install software appliance.

Use your servers more wisely, run Harvest.

Harvest* is available as a web service from System Garden and also as a locally installed appliance available through resellers, integrators and OEMs. It uses your existing enterprise monitoring solutions to provide the raw data and to minimise the roll out costs. It also plugs into your CMDB to find out who-owns-what and personalises otherwise anonymous computer data.

Harvest is accessible from Mozilla's Firefox, Microsoft's Internet Explorer and Apple's Safari. System Garden's open source collection system Habitat can be used to collect data from a select range of systems.

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Key Features

Universal performance measurement

Representing capacity in as a single universal figure is powerful: distinguish big from small machines easily, prioritise effort, and compare group efficiencies. Even benchmark your entire organisation against others.

Performance trends

All measured information is available in time series tables, charts and export data over various periods. This shows improvements over time.

Calculation of traffic-light efficiency status

Initial assessments are automatic using Harvest's built in algorithm. This feature prioritises remedial work and assessment that need to be carried out, but does not force illconsidered actions.

Performance league tables

Efficiency is measured and compared between groups, locations, applications or even individual machines.

Business assessment process

For server management to be responsive to business requirements, Harvest provides for an assessment framework so that all the facts can be considered for each server. The assessment flags overall actions for a machine's future and tracks it in management reports.

Aggregates collector systems

Harvest can use data from many data collection systems, allowing contributions from tactical monitoring as well as more strategic deployments. Avoids unnecessary work and lowers risks.

Estate messaging

Harvest provides messaging specific for each machine and each portal user to capture tactical knowledge in the repository. It also delivers performance alerts, information features and RSS syndication to ensure mutual understanding.

