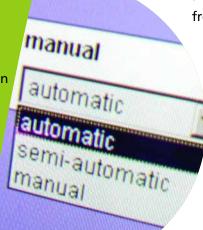# ThinkUtility

think dynamics

Utility Computing Software Solution

Solutions for:

- Server Consolidation
- Utility Computing

ThinkUtility delivers organizations the **benefits** of utility computing today. With ThinkUtility, application infrastructures scale up and down **automatically**, based on the unique demands of your organization.

With ThinkUtility, **dynamic** application environments can be created from pools of data center resources. As a result, application environments automatically scale up and down based on demand while **efficiently** maintaining defined service-level objectives. When there are peaks in demand, ThinkUtility automatically builds and deploys additional servers into running application environments. When demand subsides, ThinkUtility returns these resources to the resource pools from which they can be allocated to other applications in need. **Like a utility**, the data center can bill customers for just the computing resource they actually use.

ThinkUtility Capabilities

Control costs by maximizing your existing resources.

- **Reduces Cost:**
  ThinkUtility enables you to do more with less by directing your existing computing resources wherever you need them, 'just-in-time.' No need for costly, redundant, "just-in-case" resources. With ThinkUtility, you have a strong measure of control over present and future operational costs.

- **Improves Service Levels:**
  Consistent application response times and higher availability – ThinkUtility helps you achieve these objectives by securely managing the allocation and provisioning of your resources automatically.

- **Increases Agility:**
  With ThinkUtility, data centers can quickly respond to requisitions for new application infrastructure, changes to existing infrastructure, and fluctuations in application demand.

- **Improves Business/IT Alignment:**
  ThinkUtility directly aligns resource allocation to business goals and priorities by moving resources to where they are needed most – it can even bill accordingly. With ThinkUtility, organizations have unprecedented top-down control and visibility into how IT is being used to drive business objectives.

Maximize your existing applications infrastructure. Minimize redundancy while improving service level commitments. Take control of your IT budget and resources. ThinkUtility.

ThinkUtility
Key Features

Pool – ThinkUtility leverages your underutilized data center resources by 'pooling' similar servers. This pool of generic server resources can be used to provision application servers and may be shared among multiple applications. Because ThinkUtility pools your resources, you need fewer servers overall.
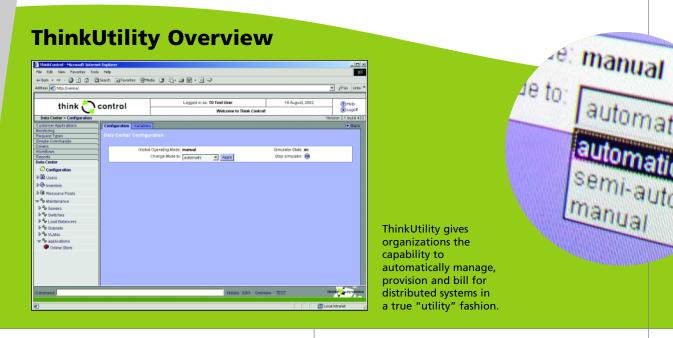
Define – ThinkUtility captures your best practices on how to build and deploy an entire application – with application environment definitions spanning multiple servers and multiple clusters, multiple networking devices, etc.

Automate – ThinkUtility automates the construction of entire applications. With a single click, you can install operating systems and applications and change networking configurations.
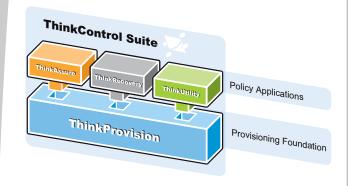
Measure – ThinkUtility gathers infrastructure, application performance and response data, enabling organizations to assess the quality of the end user experience and the performance of individual applications. ThinkUtility then uses performance data and patent-pending adaptive workload modeling techniques to determine whether applications need additional or reduced resources.

Assure – ThinkUtility enables you to define application service levels and classes of service. You can prioritize which applications may gain access to additional computing power and which users take precedence.

Control – control your data center resources from a macro level view. Offers the first "closed-loop" provisioning system for complex distributed applications. Reduces the costs of managing distributed systems through automation.

ThinkUtility Overview

ThinkUtility gives organizations the capability to automatically manage, provision and bill for distributed systems in a true "utility" fashion.

Think Dynamics Solution Suite

ThinkControl Suite

ThinkAssure
ThinkRecovery
ThinkUtility

ThinkProvision

Policy Applications

Provisioning Foundation

Supported environments

Server architectures:
Traditional and blade server architectures

Operating systems:
Solaris, AIX, Linux, Windows 2000

Application servers:
BEA Weblogic , IBM Websphere

Web servers:
Microsoft IIS, Apache

Networking equipment:
Cisco, F5, Foundry, Extreme, Alteon