Aurema

ARMTech
for Windows

> *Simplified System Resource Management & Reporting*
> *Improved Application Availability and Performance*
> *Increased Server Utilization and Productivity*
> *Essential Foundation for Server Consolidation*

An essential software solution for advanced workload and performance management on Microsoft Windows® Server 2003 and Windows 2000 servers, **ARMTech™ Active Resource Management Technology™ for Windows** brings to Windows-based environments the robust system management and reporting capabilities previously available only on mainframe and high-end commercial UNIX systems.

Extending the system management capabilities of the Windows operating system to provide previously unattainable levels of server utilization, application availability, and overall quality of service, ARMTech provides a comprehensive, proven solution for the allocation, management, control and monitoring of operating system resources, including **CPU, and Real and Virtual Memory,** on Window-based servers.

Designed to manage system resource contention in demanding enterprise environments and provide a solid foundation for Server Consolidation, ARMTech dramatically improves application availability and performance, to keep your Windows servers running at maximum efficiency, even during times of peak system loads.

By optimizing system utilization without compromising application performance, ARMTech brings increased productivity, efficiency and reliability – and with it lower Total Cost of Ownership – to Windows server environments, while providing unprecedented reporting, chargeback and capacity planning capabilities.

ARMTech Active Resource Management Technology delivers increased levels of reliability, productivity and system utilization, improving quality of service while driving down total cost of server ownership.

While other system management tools offer the means to monitor system resources and workload usage, only Aurema's Active Resource Management Technology extends the capabilities of the Windows operating system to give you the power to control how applications use valuable server resources. With ARMTech, you determine how to put your critical system resources – including CPU processor and memory utilization – to the best possible use.

ARMTech manages every process on the system and ensures all users equal distribution of server resources, so you can rapidly add more users and applications to your Windows-based servers, without compromising service levels – and without any complex configuration.
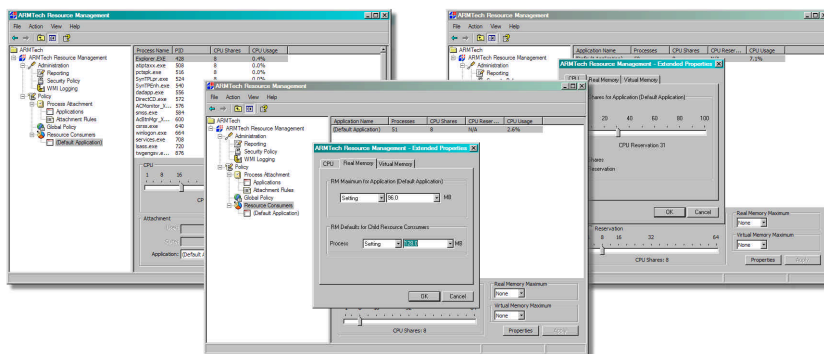
When more sophisticated resource allocation is required, ARMTech enables finely-grained resource management and control, down to the application and user level. With ARMTech, system managers can easily create custom, dynamic resource allocation policies through the establishment of reservations, shares and limits.

ARMTech manages the distribution of system resources according to the entitlements you've set, ensuring that your most important users, services and applications get the memory and CPU processing power they require.

The result is optimized use of system resources, superior availability and responsiveness, increased service levels, and maximum performance from your Windows-based servers.

Do more with less

ARMTech delivers increased levels of reliability, productivity and system utilization, improving quality of service while driving down Total Cost of Ownership

Solid foundation for server consolidation

Deploying ARMTech in heavily loaded server environments will dramatically increase Windows server productivity, as well as significantly reduce operating costs and Total Cost of Ownership across the enterprise.

In consolidated server scenarios, ARMTech dramatically increases the utilization of your machine's CPU and memory, allowing you to effectively run multiple mission-critical applications on a single server, providing an essential foundation for successful server consolidation.

By ensuring consistent, adequate allocation of system resources, ARMTech enables the successful consolidation of distributed applications and workloads onto fewer servers – without sacrificing Quality of Service or the performance of mission and business-critical processes across the enterprise.

By dynamically managing CPU and memory allocation to control application resource contention, Active Resource Management Technology enables a single machine to simultaneously run multiple SQL databases or IIS web server software – all at predictable service levels with no degradation in quality or downtime.

In consolidated server scenarios, ARMTech dramatically increases server utilization, making it possible to effectively run multiple mission-critical applications on a single machine.

With each of these mission-critical applications guaranteed adequate system resources through ARMTech, and memory leaks held in check, your servers can support them and run continually and effectively at 100% CPU load.

No longer is it necessary to oversize a machine, or run as few applications or users as possible on each server to guarantee performance during times of peak system load.

And fewer machines means lower operations costs, less hardware, simpler IT administration, and reduced software licesnsing fees.

It all adds up to lower Total Cost of Ownership.

Improved system reliability, protection against runaway processes

Runaway processes can hijack a machine's CPU and memory, bogging down databases, slowing transaction rates, and bringing your servers to a grinding halt – unless you're protected by Active Resource Management Technology from Aurema.

ARMTech aggressively combats application workload contention and protects against memory-intensive and "runaway" processes by giving you predictable control over how each process consumes valuable system resources.
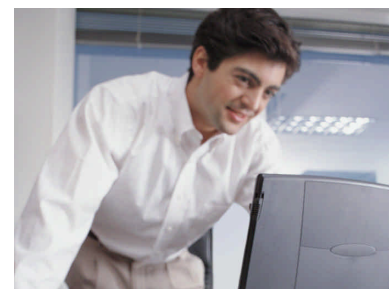
By continually monitoring, optimizing and dynamically

reallocating CPU and memory resources based on the parameters you've set, ARMTech actively prevents any program – even a runaway one – from adversely affecting the performance of another.

Since unplanned system outages on your Windows-based servers are rare with Active Resource Management Technology, overall

ARMTech improves application availability on Windows-based servers to keep your workloads running at maximum efficiency across the enterprise – even during times of peak system load.

system reliability improves as well.

The result is optimized use of system resources, maximized server performance and improved levels of service. And an end to the nightmare of runaway processes.
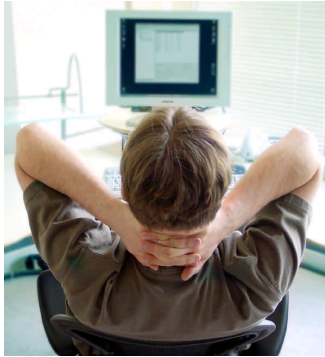
Simplified deployment and In-Depth reporting

Simple to deploy, ARMTech requires no complex configuration. With intelligent, self-configuring auto-start, it ensures efficient, reliable distribution of resources – including CPU and real and virtual memory – right out of the box.

Deployment and configuration are fast and easy too, thanks to ARMTech's simplified graphical user interface, point-and-click policy assignment, and monitoring and graphing tools.

As a monitoring and reporting solution, ARMTech measures, meters and stores comprehensive application, user and business unit usage data, enabling accurate billing, chargeback, capacity planning and performance analysis. ARMTech enables you to easily view all applications, users and services running on your Windows servers, as well as to monitor the resource usage, entitlement, status and consumption of each, and manage them more efficiently.

With ARMTech, you can also set usage entitlements to precisely allocate server resources on demand, and accurately account for and bill back the use of those resources to individual users and business units.

Unparalled application availability and performance

With cutting-edge technology, blazing-fast processing power, high availability and now the application control and resource protection of Active Resource Management Technology from Aurema, it all adds up to *improved server performance, unparalleled application availability* and *lower total cost of ownership*.

With your Window-based servers managed by ARMTech, you can rest assured that *the resources you need are there when you need them*.

Recommended by Microsoft

ARMTech for Windows is fully endorsed by Microsoft Corporation as the preferred system resource management solution on all Windows 2000 Server editions, including Server, Advanced Server and Datacenter Server editions.

The product has also been certified by VeriTest for use with Microsoft Windows® 2000 Server, Advanced Server and Datacenter Server editions.

About Aurema

The leading provider of cross-platform solutions for system resource management and reporting, Aurema keeps the world's computer servers at the forefront of performance. Dedicated since 1986 to delivering improved system utilization and lower total cost of ownership through advanced resource management, Aurema's software and technologies are successfully deployed in thousands of installations worldwide.

Optimized for Microsoft Windows, Linux and Solaris operating systems, Aurema's family of ARMTech system resource management and reporting products maximizes server utilization without compromising application performance, to bring new levels of productivity, efficiency and accountability to on-demand and distributed computing environments.

In addition to marketing Aurema-branded products, the company licenses its technologies to the industry's leading software and systems vendors. Recently announced initiatives include technology licensing partnerships with IBM Corp. to provide resource management technology to its On-Demand and Autonomic Computing initiatives.

Aurema is headquartered in Cupertino, California, with development offices in Sydney, Australia, and regional sales, marketing and business development offices throughout the U.S. and Europe.

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