



# ARMTech

## *for Citrix MetaFrame*

***Lower total cost of ownership and improve the performance of your Citrix MetaFrame servers with ARMTech, the leading system resource management solution for Citrix MetaFrame optimization.***

**ARMTech for Citrix® MetaFrame® from Aurema** is an important new resource management solution for Terminal Server optimization. ARMTech delivers more users, increased reliability and higher system utilization, improving quality of service while driving down total cost of ownership.

A comprehensive, proven solution for the allocation, management and control of operating system resources, including CPU and Real and Virtual Memory, ARMTech for Citrix MetaFrame works with Citrix MetaFrame® XP Presentation Server software to extend the system management capabilities of the Microsoft® Windows® 2000 and Windows Server™ 2003 Terminal Server operating systems to keep your Citrix MetaFrame servers running at maximum efficiency. The combination of Citrix and ARMTech dramatically improves application availability and user

responsiveness, providing previously unattainable levels of server utilization and overall quality of service to Terminal Server implementations.

ARMTech enables more applications and more users to run reliably on each Citrix server, increasing capacity without adding hardware. No longer is it necessary to oversize a machine, or run as few users as possible on each server to guarantee performance during times of peak system load.

Simply by deploying ARMTech, you can significantly increase the number of users on a single server by 30% or more, while reducing customer complaints and improving overall Quality of Service.

The bottom-line results are dramatically improved performance, increased utilization, and lower total cost of ownership.



***ARMTech enables more users to run reliably on each Citrix MetaFrame server, increasing capacity without additional hardware.***

## DYNAMIC RESOURCE MANAGEMENT PUTS YOU IN CONTROL

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 and users across your Citrix MetaFrame server farm consume 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, while guarding against OS starvation by guaranteeing the NT Authority User the resources it needs at all times. So you can rapidly add more users and applications to your Citrix MetaFrame 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 to ensure the performance and protect the integrity of each user's mission-critical applications and services.

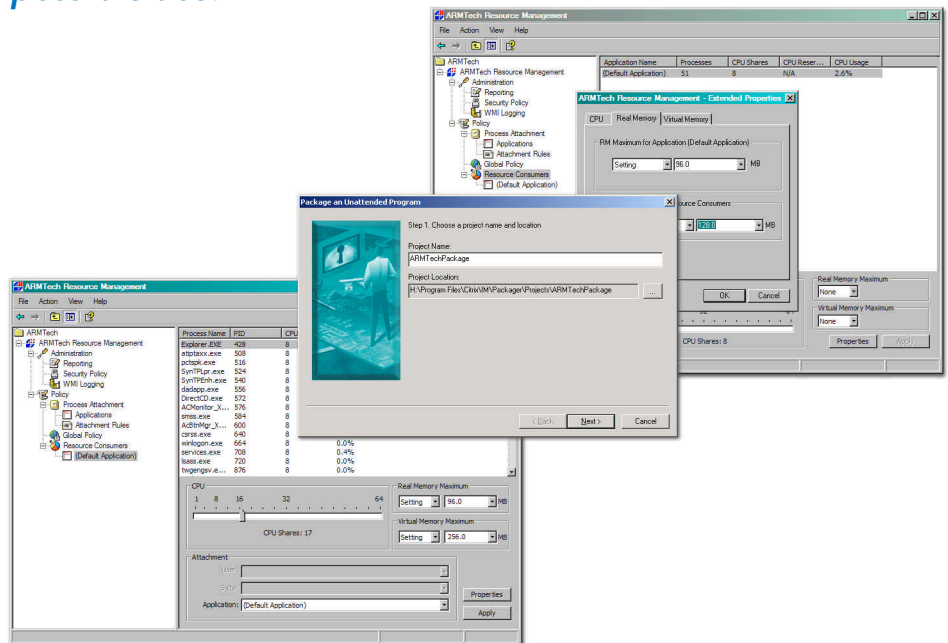
With ARMTech, system managers can easily create custom, dynamic resource allocation policies through the establishment of reservations, shares and limits for applications and users and establishing priorities and usage limits on a shared Citrix MetaFrame server.

ARMTech manages the distribution of system resources according to these entitlements, ensuring that the most important users, services and applications get the memory and CPU

processing power they need. And, when there's no contention, ARMTech ensures maximum resources are available for use by any user on the system.

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

***With ARMTech for Citrix MetaFrame, you determine how to put your critical system resources – including CPU processor and memory utilization – to the best possible use.***



# *Do more with less.*

***ARMTech for Citrix MetaFrame delivers increased levels of reliability, productivity and system utilization, improving quality of service while driving down total cost of server ownership.***

## CITRIX METAFRAME PERFORMANCE PROBLEMS SOLVED!

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

***ARMTech helps put an end to slow log-in times, unresponsive applications, session time-outs, runaway processes, server downtime, system spikes and memory-excessive applications.***

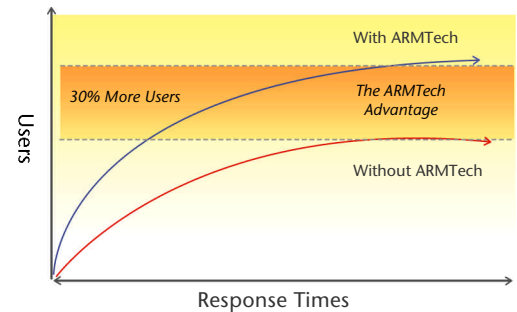
ARMTech aggressively combats application workload contention and protects against memory-intensive and "runaway" processes in a virtual desktop environment by giving you predictable control over how each process consumes valuable system resources.

The advanced system resource management capabilities of ARMTech for Citrix MetaFrame solve common Terminal Server performance issues, and help to put an end to slow log-in times, unresponsive applications, session time-outs, server downtime, system spikes, and the negative

effects of runaway processes and memory-excessive applications.

By continually monitoring, optimizing and dynamically reallocating system CPU and memory, ARMTech for Citrix MetaFrame actively prevents any user or program from adversely

affecting the performance of another. By improving the interaction between users, applications and the operating system, ARMTech can help provide Citrix customers with increased capacity and greater utilization across a server farm, to help them realize even more productivity and faster ROI.



***ARMTech for Citrix MetaFrame delivers more users, improved response times, and higher system utilization – even during times of peak system load.***

## INCREASED UTILIZATION AND PERFORMANCE

ARMTech's ability to manage process, application and user contention through effective system resource allocation significantly improves the performance and availability of servers running Citrix MetaFrame in a Microsoft Terminal Services environment.

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

No longer is it necessary to oversize a machine, or run as few users as possible on each server to guarantee performance during times of peak system load. Simply by deploying ARMTech, you can significantly increase the number of users on a single Citrix server by 30% or more, while dramatically decreasing the total number of machines across your Citrix server farm.

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

***It all adds up to lower Total Cost of Ownership.***



***ARMTech improves application availability on Citrix MetaFrame servers to keep your workloads running at maximum efficiency across the enterprise.***

## SIMPLIFIED DEPLOYMENT, AND IN-DEPTH REPORTING

Simple to deploy, ARMTech for Citrix MetaFrame requires no complex configuration. With intelligent, self-configuring auto-start, it ensures efficient, reliable distribution of system resources to applications and users right out of the box. For rapid, simplified deployment across Citrix MetaFrame server farms, ARMTech can be configured for automated installation and unattended deployment directly from the Citrix console.

As a monitoring and reporting solution in Citrix MetaFrame environments, 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 Citrix MetaFrame 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.

## UNPARALLELED 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, faster response times, unparalleled application availability and lower total cost of ownership.***

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



## 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 efficiency, productivity and control through advanced resource management and reporting, 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 bringing Aurema-branded products to market, the company licenses its technologies to the industry's leading software and systems vendors. Recently announced initiatives include technology licensing partnerships with IBM to provide resource management technology to its On-Demand and Autonomic Computing initiatives.

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## 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 edition.

The product has also been certified by Veritest for use with Microsoft Windows® Server, Advanced Server and DataCenter Server editions.