

ADARA introduces Mercury Series; New Technologies redefine the State of the Art in Application Layer Networking

ADARA Mercury dramatically improves Performance of all Virtual and Physical Hosts, Services and Applications for all Cloud Computing, and Hosted Services.



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SAN JOSE, CA--(01/23/2012) - [ADARA Networks](#), the leading provider of advanced Computing and Networking products, has announced ADARA Mercury Series Application Layer Networking Platform.

Mercury implements two new technologies, WILD and GOLD; never before envisioned, and never implemented in production systems. Full Domestic and International Patent Protections have been granted for both technologies.

ADARA Mercury Series are able to operate both in the Control Plane and the Data Plane.

Mercury is right-sized for any customer environment, and is available in two form factors:

- Software only, for a Fully Virtualized Software Solution
- Software on either Purpose- built or 3rd Party COTS Appliances (x86 or MIPS)

Mercury is engineered to provide the most advanced novel Application Layer Networking. Unlike network routers which must maintain, at most, tables of a few hundred thousand routes (10^3), networking at the Application Layer requires tables which scale to the level of search engines, billions (10^9) of physical and virtual servers, applications and services ; ADARA Mercury is millions of times more scalable than legacy network routers, switches, load balancers and middleware boxes.

Mercury is the industry's first Application Layer Networking Product which scales to unequalled levels for Servers (Virtual and Physical Servers), Services and Applications on Servers.

- Mercury Series maintain knowledge of 100 Million (100×10^6) Servers (Virtual and Physical Servers) in 1 GB RAM
- Mercury Series maintain knowledge of 100 Million (100×10^6) Services and Applications (Virtual and Physical Servers) in 1 GB RAM

Mercury executes one-half million (500,000) Server and Service selections and Load Balancing executions per second. Mercury operation is in constant time; with Mercury now capable of per execution time of 2 Millionths of a second (2 micro-seconds or 2 μ sec), regardless of the number of Servers (Virtual and Physical Servers), Services and Applications on Servers being managed by Mercury.

Mercury operates with zero latency; Mercury maintains real-time knowledge of every physical/virtual server.

Mercury is faster and more scalable than any competing product - ever.

Mercury Service Virtualization

Mercury is able to move services, applications, stateless and stateful executable on demand, from any point to any point, enabling execution anywhere within or between Data Centers and Cloud Computing Environments

Mercury Host Virtualization

Mercury simultaneously performs Global and Local Load balancing on all servers, and Mercury natively incorporates Multi-Path Network Load Balancing and reach-ability along with Server and Service load balancing.

Mercury performs more accurate Load Balancing than any competing product; enabling load balancing which includes end-to-end delivery times.

Mercury enables all features of purpose built devices, (e.g., SSL termination) making those devices optional.

ADARA Mercury on x86 platforms enables Virtual Machining for Computation and Networking directly upon the Mercury platform; unavailable in legacy network routers, switches, load balancers and middleware boxes.

ADARA Mercury is available as a standalone product, or as part of the ADARA Constellation Series.

Mercury enables Enterprises of all sizes, in all industries, to positively impact Net Profitability.

Mercury Series are critical solutions for Data Centers and Networks. The increasing utilization of Virtual Machining for High Performance Computing requires the state of the art in Application Networking.

ADARA Mercury; the State of the Art in Application Layer Networking.

For more information, please visit: <http://www.adaranetworks.com>.