

**FASTER,  
 BETTER  
 & Smarter**

network  
**Accelerated**

NetCelerate, the next generation Web Cache System, is an ideal solution for Web content acceleration today. It can also be easily leveraged and deployed as the enterprise Content Delivery Network of tomorrow.

NetCelerate accelerates all Web content traffic on a network, delivering files, Web pages and application data 2-10 times faster. NetCelerate enables you to cost-effectively add scalability, improve performance and provide consistent quality to all user, whether they sit on your LAN, work from home, or dial in from the road.

### NetCelerate Accelerates Your Network

NetCelerate enables ISPs and Enterprises to speed the delivery of Web content and critical applications to users, regardless of their connection speed or location. The advantage for corporate users is that anyone accessing the network - whether they are on the LAN, a remote user using broadband, or a road warrior on Modem dial-up - receives all corporate web applications and Internet content faster. The advantage for all users is a dramatic increase in Web browsing speeds.

#### NetCelerate:

- Reduces bandwidth, IT infrastructure and management costs**
- Deliver optimised and customised content to every user**
- Speed all Web pages to all end-users - even over the last mile**

See for yourself. Contact us now at **info@arahe.com** for a free one-day demonstration and comprehensive report

### Take Advantage of NetCelerate Today

NetCelerate, by Arahe Technologies, consistently outperforms its competitors in performance, functionality, and price. Furthermore, it delivers the business benefits demanded by enterprises and service providers alike. Deploy NetCelerate today and

- improve user experience and satisfaction regardless of access method,
- speed up Web site, corporate network, and application delivery to all employees, and
- extend the life of your existing IT assets and bandwidth.

NetCelerate achieves these benefits by using a unique mix of technologies including clientless, intelligent and automatic image and text compression; caching; optimised TCP protocols; and enriched HTTP content headers.

# FASTER, BETTER & Smarter

## your network at the *Speed of Light*

### “ The Heart of NetCelerate ”

- ◆ Advanced Text optimisation - PDF, HTML, JSP, ASP, PHP, CFM, NSF, PHP, XML, DOC, XLS and PPT
- ◆ Performs very fast real-time graphics optimisation- JPEG, static GIF, animated GIF, BMP, PNG
- ◆ Contains built-in advanced intelligent caching
- ◆ Automatic intelligent management of object caching tags. Manages content freshness automatically
- ◆ Extensive statistical reporting. Real-time activity logging & event notification
- ◆ Supports failover from the switch or WCCP-enabled router
- ◆ Supports network adapter by Bypass mode
- ◆ Systems Management Software support and Web-based GUI Management
- ◆ Supports the following protocols: SNMP, WCCP, ICP, secure access with Secure Shell (SSH)
- ◆ Does not interfere with security policies and practices currently in place
- ◆ Supports server clusters up to 32 Web servers without a load balancer, and more with a load balancer
- ◆ Accelerates of a wide range of file types, including: HTML, SHTML, DHTML, XML, WAV, JPG, GIF, animated GIF, BMP, MPEG, MOV, QT, MP3, TXT, DOC, XLS, PPT, Shockwave, Flash, TIFF, PNG, and PDF-even when generated by CGI, Active Server Pages, JSP, or PHP
- ◆ Easy to use, rules based image manipulation for on the fly graphics editing that enables re-formatting to various access devices such as wireless devices or laptops

### How NetCelerate Works

Once content is optimized using the Acceleration Engine, NetCelerate caches these optimized objects. When a user makes a request, NetCelerate retrieves an optimized object cached in its most streamlined form. Because enriched content headers contain detailed information about each object, each is refreshed at its most efficient point.

By applying intelligent, proprietary algorithms, NetCelerate determines the most efficient source for each requested object, whether it is in the server or in an upstream cache. Because NetCelerate uses network performance metrics, geographic proximity indicators, and inventories of cached objects, it continually adjusts the parameters associated with transport protocols, enabling servers to quickly adapt to the capacity of the network.

### NetCelerate Key Features

- The Arahe Acceleration Engine provides real time and automatic text and image optimization
- Multiplexes individual client sessions using HTTP 1.1 into persistent connections to reduce connection management overheads
- Advanced, intelligent caching to improve object cache-ability using enriched HTTP content headers

### NetCelerate Deployment

NetCelerate is implemented in a similar way as caching appliances in a forward proxy configuration. This means that it is deployed at the network edge, close to users between browser clients and the WAN.

