

# FASTER, BETTER & Smarter web application Optimisation & Acceleration

With the continuing massive increase of mobile and web devices in today's market and the increasingly demanding user expectations of web performance, many organisations are challenged to improve their web services to better serve their customers.

Major affected areas are Total Customer Experience and overall productivity. For both public websites and critical enterprise web applications, speed, security and application responsiveness can make or break an organisation. Slow sites or applications drive users to the competition and sluggish application performance reduces employee productivity. Expanding capacity and growing infrastructure is crucial but it can be very costly and time-consuming.

Now, there is a solution for you to address the above challenges - **AgileEdge LIGHTNING**.

**AgileEdge LIGHTNING**, the multi-award winning technology has helped making web applications up to **1000% faster**. With over hundreds of installations serving more than **400 million** users every day, it has helped many organisation improve Total Customer Experience, improve security, handle more users while reducing operational and capital expenditure.

- ✓ **Optimise and accelerate web application delivery from 200% to 1000%**
- ✓ **Over 400 million users accesses every day**
- ✓ **Scaling application to serve 100% more users or more**
- ✓ **Significantly reduce network bandwidth throughput up to 75%**
- ✓ **Seamless Infrastructure scalability**
- ✓ **Improve web application security**
- ✓ **Extend web application monitoring**
- ✓ **HTTP and HTTPS off-loading**
- ✓ **No plug-ins or client installation**
- ✓ **Quick and easy deployment without risks**

**AgileEdge LIGHTNING** can be deployed as an appliance, virtual appliance or in the Cloud - aligning to business requirements. It works transparently and seamlessly with any web based application or even mobile portal. The powerful optimisation and acceleration engine supports dynamic web applications and provide additional security for websites and web applications. **AgileEdge LIGHTNING** has been implemented in some of the largest organisations worldwide in industries such as banking, insurance, stock broking, government, airlines and others.

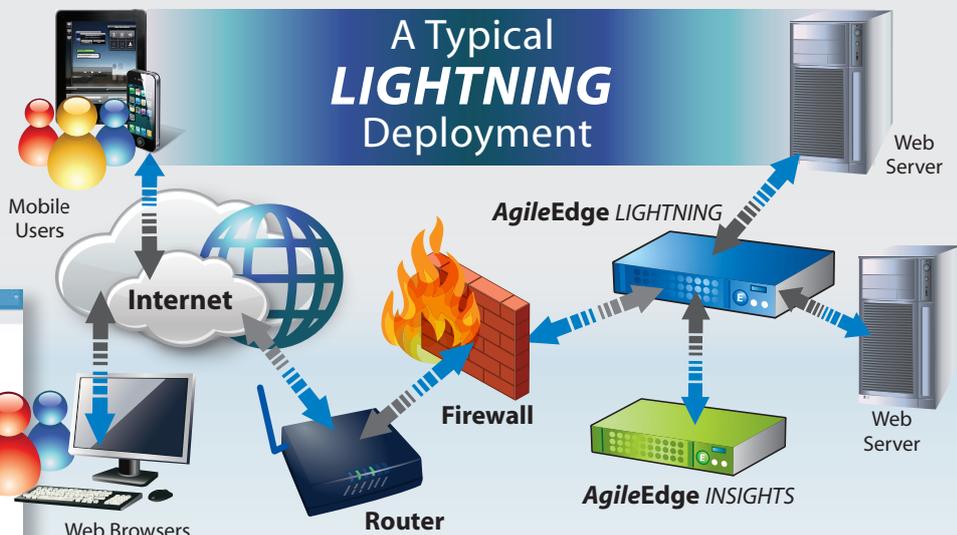
**FASTER,  
BETTER  
& Smarter**

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**AgileEdge**  
— LIGHTNING

**AgileEdge LIGHTNING** is an optimising gateway caching solution that integrates with **AgileEdge INSIGHTS**. **LIGHTNING** runs on a high performance server, virtual machine, or in the cloud, using a server grade operating system.



By moving the user requests from the web server to **LIGHTNING**, the load on the web server is reduced, thereby enhancing reliability of the web server and response time. **LIGHTNING** also has the capability to offload SSL processing from the web server, further reducing web server load.



**LIGHTNING** can load balance a pool of web servers and continuously monitor the web servers for availability. **LIGHTNING** identifies unavailable web servers and removes them from the pool, adding them back into the pool when they become available, thus minimising user disruption.

**LIGHTNING** can extend a web server's capabilities or modify its behaviour when web server expertise is not available, for example: rewriting URLs, delivering content based upon the browser user agent, allowing IPv6 access to an IPv4 web server, providing scalable user access, modifying the content expiry times, and modifying the web server defined caching behaviour of the content.

**“ The Heart of LIGHTNING ”**

- Image optimisation to reduce the image size whilst maintaining image quality
- Minification of web pages to remove whitespace and comments
- Automatic intelligent object caching with ability to override web server cache rules
- Supports HTTP and client side/server side HTTPS
- Supports IPv4 and IPv6
- Detailed request logging and real-time statistics
- Support for multiple NIC utilisation and NIC failover

**LIGHTNING Deployment**

**LIGHTNING** is not only easy to maintain and support, it is also easy to deploy!

- Does not interfere with security policies and practices currently in place
- Provides additional security protection for web servers and web applications
- Web server load balancing capability
- Web server availability monitoring and alerts
- Integration with AgileEdge Insights for detailed analytics
- Comprehensive redirection capabilities

See for yourself. Contact us now at [info@arahe.com](mailto:info@arahe.com) for a free one-day demonstration and comprehensive report



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