

HTTP/2

For Faster and Safer Internet

What You Should Know about HTTP/2

It hasn't changed much since the very birth of the Internet but the biggest change is now here. HTTP/2 is a revolutionary new protocol redesign that can speed up web page delivery by up to 30% and offer greatly enhanced security. WebGuy Internet, Inc. is proud to be one of the first hosting providers in Utah offering HTTP/2 hosting and technical consulting on the subject.

HTTP/2 changes how a webpage is sent from the webserver to the browser by securing the connection, and encoding the data in a single long binary stream. This makes the data faster, smaller and more secure. Special webserver are needed to attain this new technology and we have invested in it because we see it as the future of Internet delivery. In fact Google, Yahoo, Twitter and even Facebook all see it as the future in Internet delivery as well, as their homepages are all HTTP/2 enabled.

Because it is such a new technology, the official specification was only finished in April 2015 and it will be finalized in August 2015, not all Internet browsers can support it. As of now the only browsers that support the full specification are Internet Explorer in the new Windows 10 Preview and the latest version of Firefox and Chrome. Current Internet Explorer in Windows 8.1 or below and all versions of Safari doesn't support it at all. If a browser doesn't support HTTP/2 it will automatically fall back to the HTTP 1.1 protocol. While you won't get the benefits of HTTP/2 you will still get the built in optimizations in PHP 5.5 plus Zend OPcache, memcache, and other server level code optimizations.

We highly suggest that you Visit the Akami HTTP/2 Demo (link below) to verify that your browser supports HTTP/2 and view their online demo. You can also get free plugins for web browsers that allow you see the performance and type of HTTP connection from the links below. If you have any questions about the implementation or how the technology works please [let us know](#).

Further Resources (Clickable Links)

- [Engaget Article on HTTP/2](#)
- [Akami HTTP/2 Demo](#)
- [Google Chrome HTTP/2 Indicator Plugin](#)
- [Firefox HTTP/2 indicator Plugin](#)
- [Official HTTP/2 Specification](#)
- [HTTP/2 Browser Support](#)