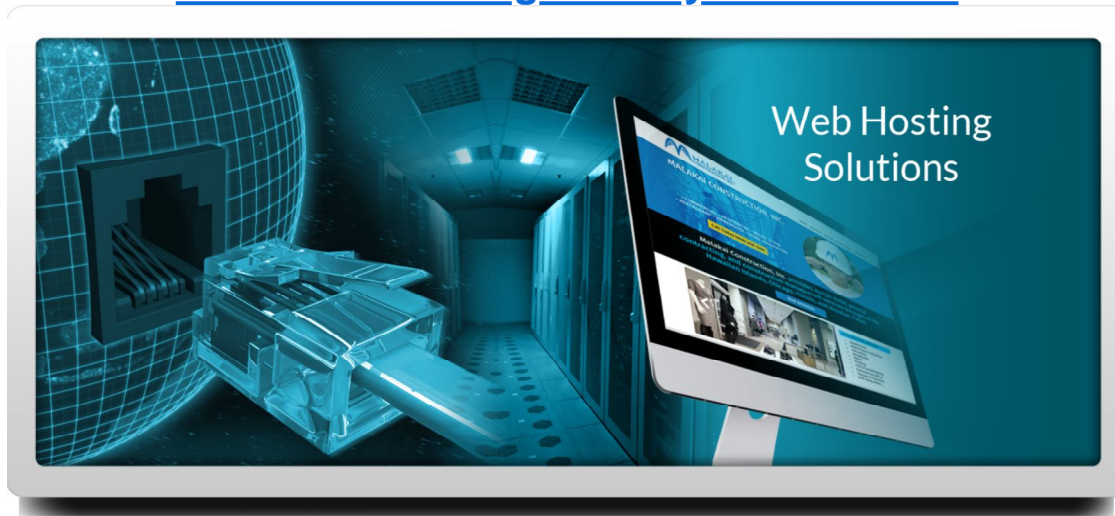


Subject: AmeriWeb Hosting December 2019 eNewsletter
From: AmeriWeb Hosting <newsletter@ameriwebhosting.com>
Date: 12/1/2019, 3:20 PM
To: robert@ameriwebhosting.com

[AmeriWeb Hosting Monthly e-Newsletter](#)



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Merry Christmas!

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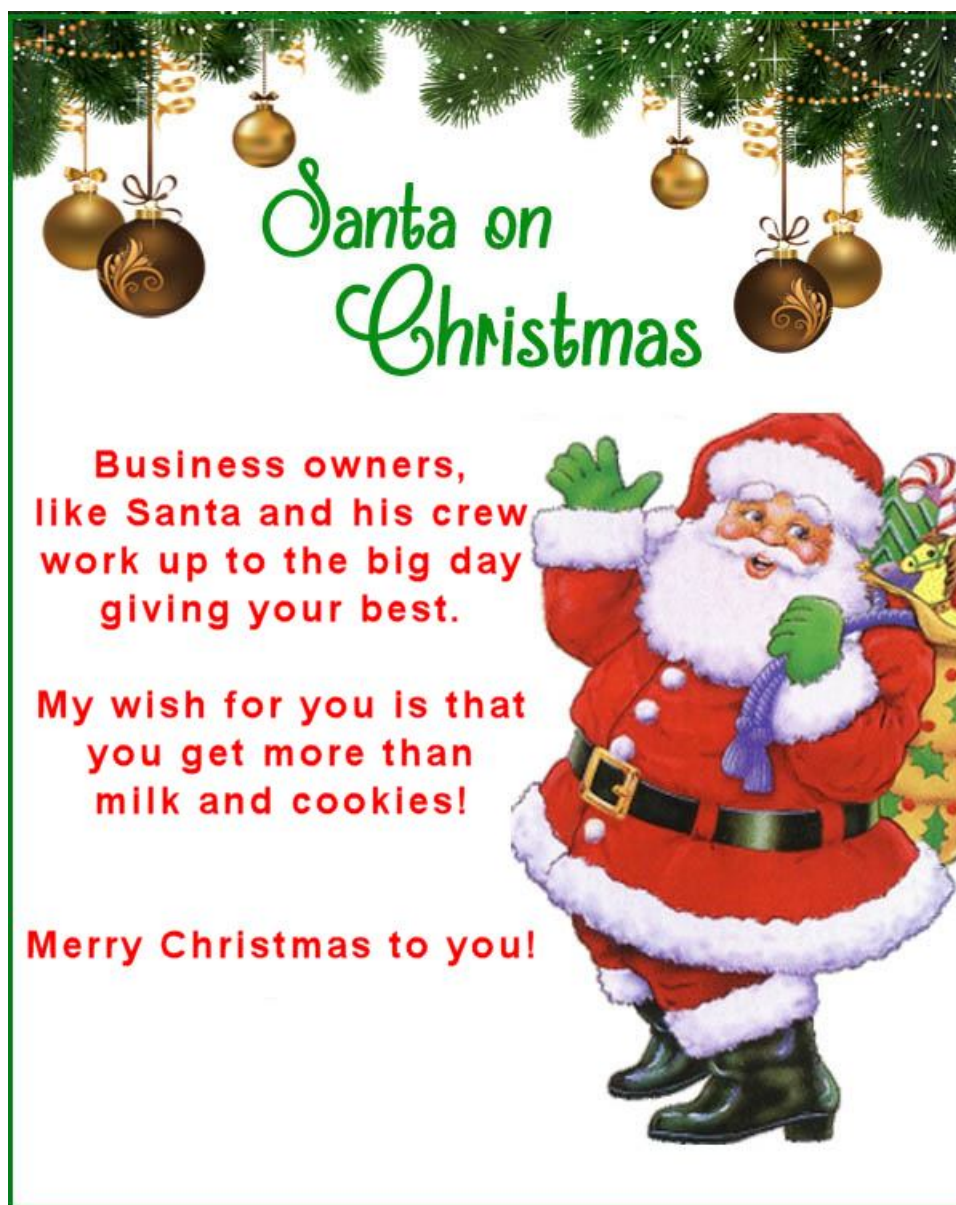
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HOW TO

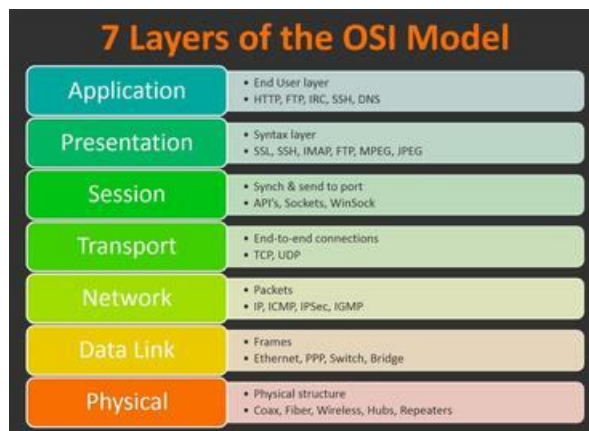
What is the new HTTP/3?

HTTP/3 is the next major version of HTTP, the protocol through which content moves from servers to clients, where it's displayed inside browsers, mobile apps, or other applications.

HTTP v3 -- or HTTP/3 -- is different from everything that came before it. It's a complete rewrite of HTTP that uses the QUIC protocol instead of TCP, and also comes with built-in TLS (encryption) support.

It's an amalgam of multiple technologies; all meant to make websites load faster and over encrypted connections by default.

To understand how HTTP/3 works you must first understand how the OSI networking model works. By default, HTTP (a layer 7 protocol) uses TCP (a layer 4 protocol) as its base. TCP is used to negotiate connections between clients and servers, and then move the data between the two parties -- hence its categorization as a transport protocol.



But the TCP protocol was designed in the 70s, and nobody expected it to be used for near real-time communications, as it's used today. As the years went by, software engineers began understanding that TCP was never designed for speed.

Across the years, several teams of engineers have attempted to create a better transport layer protocol. Of all, Google's engineers have been the most successful.

They first created SPDY, a protocol that fixed some of TCP's problems, and was later used for HTTP-over-SPDY, a protocol that eventually became the official HTTP/2, now used on around 40% of all internet sites.

But SPDY was just another improvement on TCP and its principles. Google engineers realized they could do much better if they'd combine the reliability of TCP and the speed of UDP, together into a totally new protocol.

That's how QUIC came to be, or "Quick UDP Internet Connections." As its name implies, this is a protocol that merges the best features of TCP and UDP, in order to build even a faster layer 4 transport protocol.

HTTP/3 is QUIC implemented inside HTTP, replacing TCP and SPDY at the transport level. It was formally approved last October.

WHAT YOU NEED TO DO:

Nothing! Your current web browser will update and automatically begin using QUIC. You will continue to call web pages using http:// or https:// as you now do. Web sites may need small adjustments, which should be handled by your webmaster.



I made myself a snowball,
As perfect as could be,
I thought I'd keep it as a pet,
And let it sleep with me.
I made it some pajamas,
And a pillow for its head,
Then last night it ran away,
But first-- it wet the bed.



ASK A TECH

Q: Why was Christmas cancelled this year?

A: Here is one possibility

Please Note:

CHRISTMAS IS CANCELLED

I told Santa that
I was good this year.....



He died laughing

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