How to convert HTTP to HTTPS and why it's better for security?

> ### How to switch from HTTP to HTTPS:

If your business is still registered under an HTTP domain, you might want to think about changing to HTTPS. Although this might seem like yet another daunting task, the process really isn't that complicated, and there are plenty of benefits, from improving your business' visibility on Google, to thwarting man-in-the-middle attacks.

So, what's the process of switching to HTTPS? The first step is to get hold of your website's hosting company. You should ask them to assist in purchasing an SSL certificate, which they should also help install. While you do so, you should also ensure that you haven't left behind any stray website links, as the moment that you switch to HTTPS, they might be left broken and your customers will be unable to access these pages or services. After the SSL certificate is issued and installed, your website's hosting company should be able to simply redirect any traffic from the old HTTP version of your website to the new HTTPS one.

In the situation where your website's hosting company is being unhelpful for any reason, bear in mind that there exists an abundance of third-party vendors which would be able to assist you in purchasing an SSL certificate – in fact, the choice could be even considered slightly overwhelming by some. You might want to compare different packages offered by vendors, while always remembering to read the fine print. It's also the reason why many simply go to their hosting provider for help.

You can also take matters into your own hands by manually installing the SSL on your FTP yourself, although you will also need to remember to set up a redirect from the HTTP version of the site to HTTPS.

➢ HTTPS or HTTP: Which Is Better

Why switch to HTTPS when HTTP had been "good enough" for all these years? Is the switch and the cost of the switch worth the time and efforts? What makes HTTPS much reliable than HTTP? Why should you buy an SSL certificate? Well, you will get your answers when we compare both the protocols and show you the benefits of https.

Parameter	HTTP	HTTPS
Protocol	It is hypertext transfer protocol.	It is hypertext transfer protocol with secure.
Security	It is less secure as the data can be vulnerable to hackers.	It is designed to prevent hackers from accessing critical information. It is secure against such attacks.
Port	It uses port 80 by default	It was use port 443 by default.
Starts with	HTTP URLs begin with http://	HTTPs URLs begin with https://
Used for	It's a good fit for websites designed for information consumption like blogs.	If the website needs to collect the private information such as credit card number, then it is a more secure protocol.
Protocol	It operates at TCP/IP level.	HTTPS does not have any separate protocol. It operates using HTTP but uses encrypted TLS/SSL connection.
Domain Name Validation	HTTP website do not need SSL.	HTTPS requires SSL certificate.
Data encryption	HTTP website doesn't use encryption.	HTTPS websites use data encryption.
Search Ranking	HTTP does not improve search rankings.	HTTPS helps to improve search ranking.
Speed	Fast	Slower than HTTP
Vulnerability	Vulnerable to hackers	It Is highly secure as the data is encrypted before it is seen across a network.