

# Web Sites

**HTTP vs HTTPS**

# What is the difference of HTTP vs HTTPS

**HTTP** is **unsecured** while **HTTPS** is **secured**.

## Technically

HTTP sends data over port 80 while HTTPS uses port 443. HTTP operates at application layer, while HTTPS operates at transport layer. No SSL certificates are required for HTTP, with HTTPS it is required that you have an SSL certificate.

*Secure Sockets Layer (SSL)*

# What happens if you visit an Unsecured Web site

*In most cases nothing.*

However, **if you** send information through the **website**, it is possible that the information **can** be intercepted.

In terms of **security**, HTTP is completely fine when *browsing* the web.

**It only becomes an issue when you're entering sensitive data into form fields on a website.**

# Can you get HACKED by visiting an unsecured web site?

**In theory, no. In practice, sometimes.** Web Browsers try very hard to allow **you** to **visit** any site without risk, and they generally succeed, but once in a while there's a security flaw in your browser that a **website can** use to successfully attack computers that **visit** it.

# Questions