**HTTP and HTTPS:**

**What is HTTP:**

HTTP stands for HyperText Transfer Protocol. It's the basic language that browser uses to communicate with websites. it like a letter carrier delivering mail. It uses Port 80 as default.

**What is HTTPS:**

HTTPS stands for HyperText Transfer Protocol Secure. It's like HTTP, but with added security. It's like sending a letter in a locked pack. It uses Port 443 as default.

**Why use HTTPS:**

HTTPS is crucial for protecting sensitive information like passwords and credit card numbers. It confirms that the data is encrypted, making it difficult for hackers to hack.

**How does HTTPS work:**

HTTPS uses a process called SSL/TLS encryption. When visit a website with HTTPS, the browser and the website's server creates a secure connection. All data transmitted between the two is encrypted.

**Who benefits from HTTPS:**

Everyone benefits from HTTPS. It protects both individuals and businesses. For individuals, it ensures privacy and security when browsing the web. For businesses, it builds trust with customers and ensue their data safely.

**When use HTTPS:**

Whenever possible, we should use websites that use HTTPS. Look for the padlock icon in the browser's address bar. This indicates that the website is secure.