Preventing route hijacking (BGP)

Bogon Filtering

Best Current Practice to limit fake route advertisement

Deny route advertised by hosts with spoofed addresses

➡ Implemented by ISPs (Internet Service Providers)

Specific attacks of HTTPS

Webpages can be delivered either with HTTPS or HTTP

➡ The browser can automatically switch between HTTP and HTTPS

Sometime within the same webpage (mixed-content)
e.g the main page loads over HTTPS
    but images, scripts or css load with HTTP

An attacker can do a MitM attack and remove the SSL protection

➡ **SSLStripping** attack (challenge coming next)