<u>Design a network with firewall and open ssh, http, https to that.</u>

To design a network with a firewall and open SSH, HTTP, and HTTPS ports,

- ➢ Allow inbound traffic on SSH (port 22), HTTP (port 80), and HTTPS (port 443) from the external network.
- ➢ Block all other inbound traffic to protect internal systems.
- ➢ **SSH** (for secure shell access):
    - From the Internet to the Web Server for secure remote access.
- ➢ **HTTP and HTTPS** (for web services):
    - HTTP (port 80): To allow unencrypted web traffic to your website or application.
    - HTTPS (port 443) To allow encrypted web traffic to your website or application.

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                      │   Internet  │
                      └─────────────┘
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                      ┌─────────────┐
                      │   Firewall  │
                      └─────────────┘
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                ┌────────────┴────────────┐
                ▼                         ▼
        ┌─────────────┐          ┌─────────────┐
        │  Web server │          │   Internal  │
        │             │          │   network   │
        │SSH,HTTP,HTTPS│         │             │
        └─────────────┘          └─────────────┘
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