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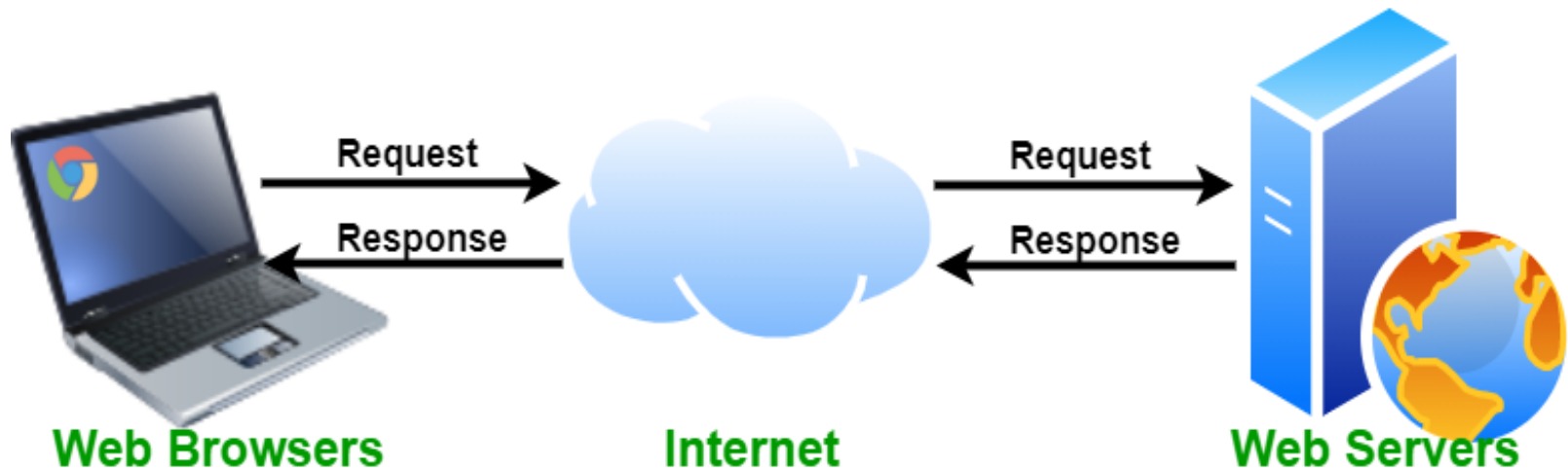
Amazon Web Services

Webserver

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Webserver

- A Web server is a program that uses HTTP (Hypertext Transfer Protocol) to serve the files that from Web pages to users, in response to their request.



Webserver

- **Example of Webservers**

- Apache HTTP Server
- Internet Information Services (IIS)
- NGINX
- HTTPD by Apache
- **HTTPD:** HTTP Daemon is a software program that runs in the background as a web server. It waits for the incoming server requests. The daemon answers the request and serves the hypertext and multimedia documents over the Internet using HTTP.

Linux Webserver

- We will install HTTPD by Apache & it will be the Two Step Process
- Step 1: Update the YUM Repository
- Step 2: Install Web Package
- **Create Linux EC2 Machine**
- Connect the Linux EC2 Machine

Linux Webserver

- **Switch User to root**

`sudo su`

- **Update the YUM Repository**

`yum update -y`

- **Install Web Package**

`yum install httpd -y`

- **Move to the html Directory**

`cd /var/www/html`

Linux Webserver

- **Create web Page**

echo "Amazon Web Services" > index.html

- **Start web package**

service httpd start

chkconfig httpd on

- Now, Our Linux machine is webserver.

- Copy the Public IP & paste in Web Browser

Linux Webserver - Enable HTTP Port

Network & Security



Security Group

- Select our Security group
- Edit Inbound Rules
- Click on Add Rule.
- Change type to HTTP & Source as Anywhere IPV4
- Click on Save rules
- Now Refresh the Web browser

Notes

- **Repository:** A Linux repository is a storage location from which your system retrieves and installs OS updates and applications.
- We need to install web package, it is called web server. Package is nothing but software.
- **YUM Repository:** YUM Repositories are warehouses of Linux software. Sometimes the software we want to install is not available in Linux OS default. In such situations, we can use YUM Repositories. We can install new software on Linux with "yum install packagename" command from console.



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