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NGINX AND EC2 LAUNCH TEMPLATE



Today's Takeaways

- ▶ Launching EC2 Instance
- ▶ NGINX Web Server
- ▶ EC2 Launch Template

Launching EC2

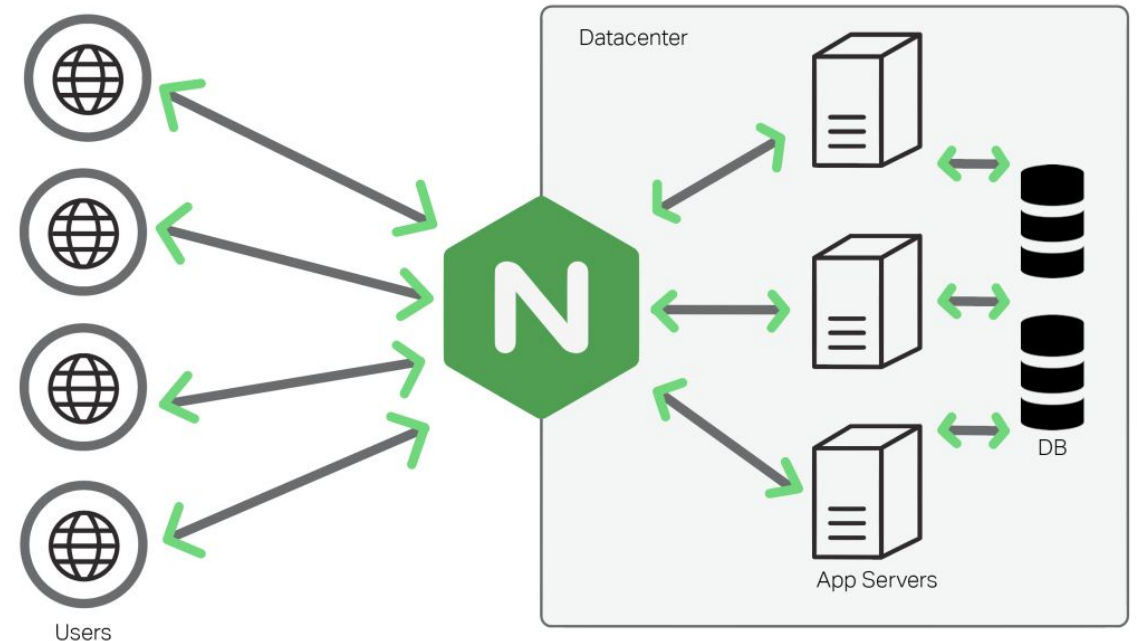


- EC2 stands for **E**lastic **C**ompute **C**loud in AWS.
- EC2 is a virtual server that is physically in the AWS Data Center.

NGINX WEB SERVER

What is NGINX?

NGINX, which is pronounced as ‘**engine ex**,’ is a widely used open-source web server software. It was a project started by Igor Sysoev in 2002. It got officially released in October 2004. It was created to solve the problem of C10k, which is defined as a challenge to manage the ten thousand connections all at the same time.

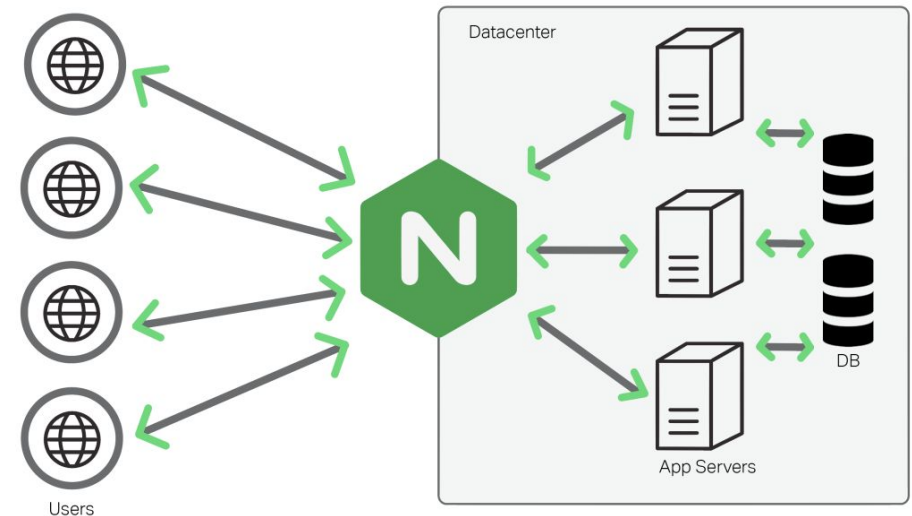


NGINX WEB SERVER

What is NGINX?

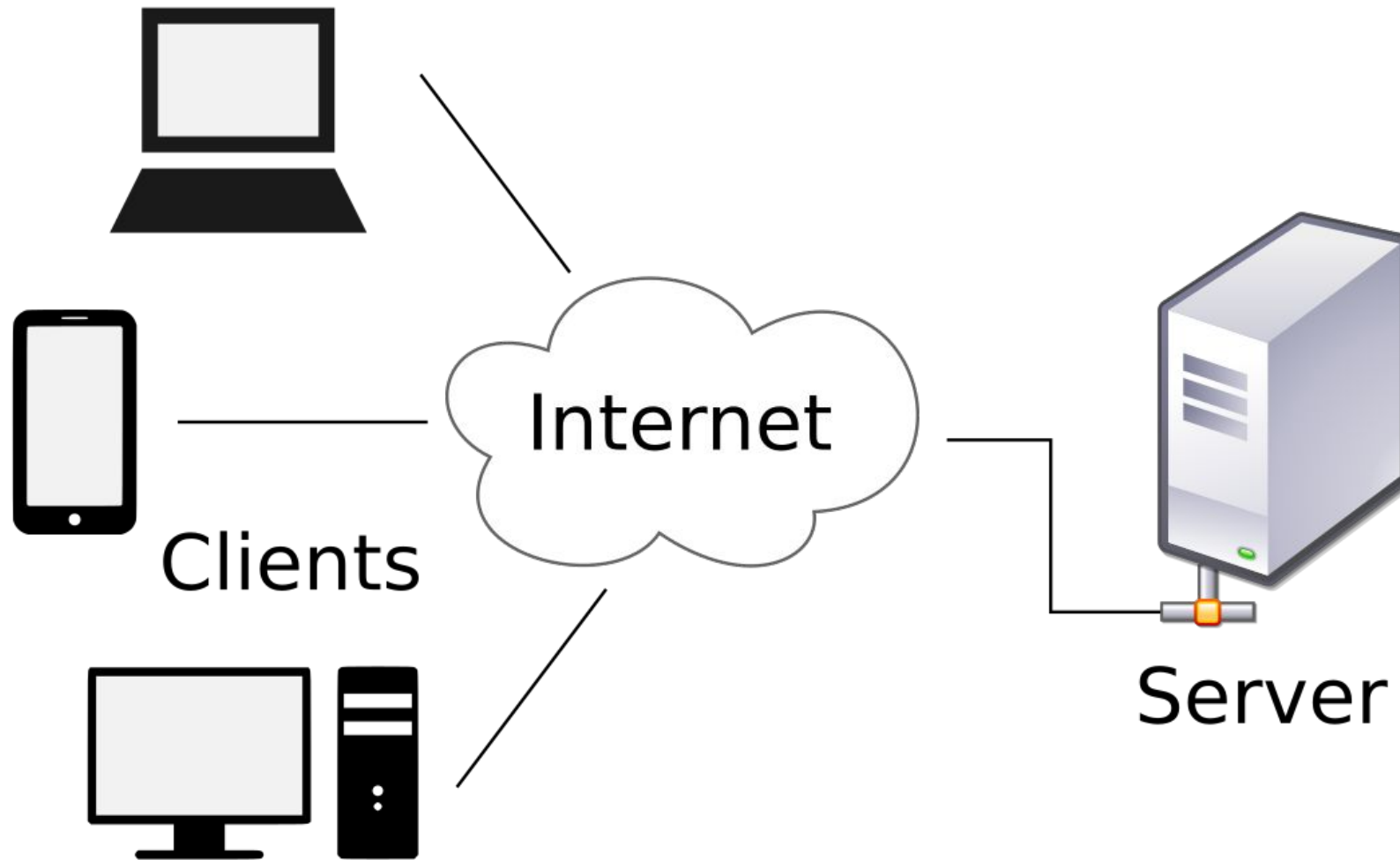
The term *web server* can refer to hardware or software, or both of them working together.

1. On the hardware side, a web server is a computer that stores web server software and a website's component files. (for example, HTML documents, images, CSS stylesheets, and JavaScript files) A web server connects to the Internet and supports physical data interchange with other devices connected to the web.
2. On the software side, a web server includes several parts that control how web users access hosted files. At a minimum, this is an *HTTP server*. An HTTP server is software that understands [URLs](#) (web addresses) and [HTTP](#) (the protocol your browser uses to view webpages). An HTTP server can be accessed through the domain names of the websites it stores, and it delivers the content of these hosted websites to the end user's device.



Launching EC2

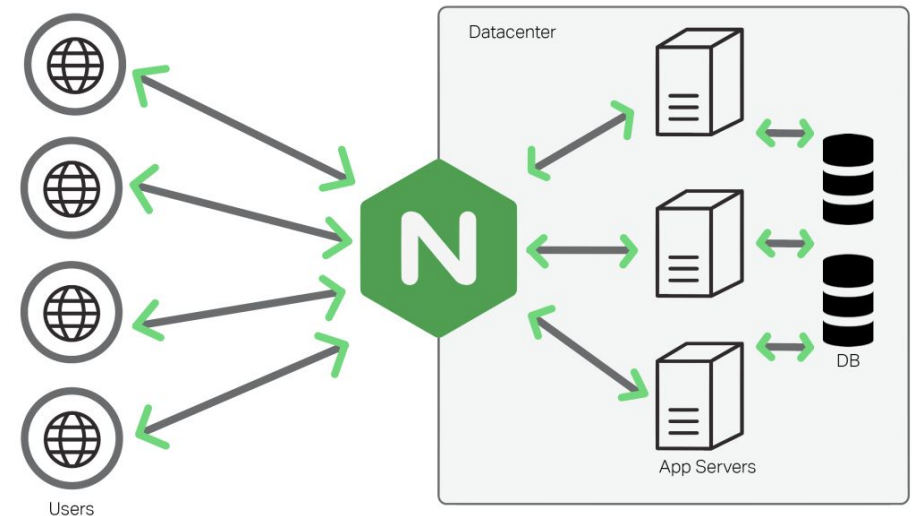
What is EC2?



NGINX WEB SERVER

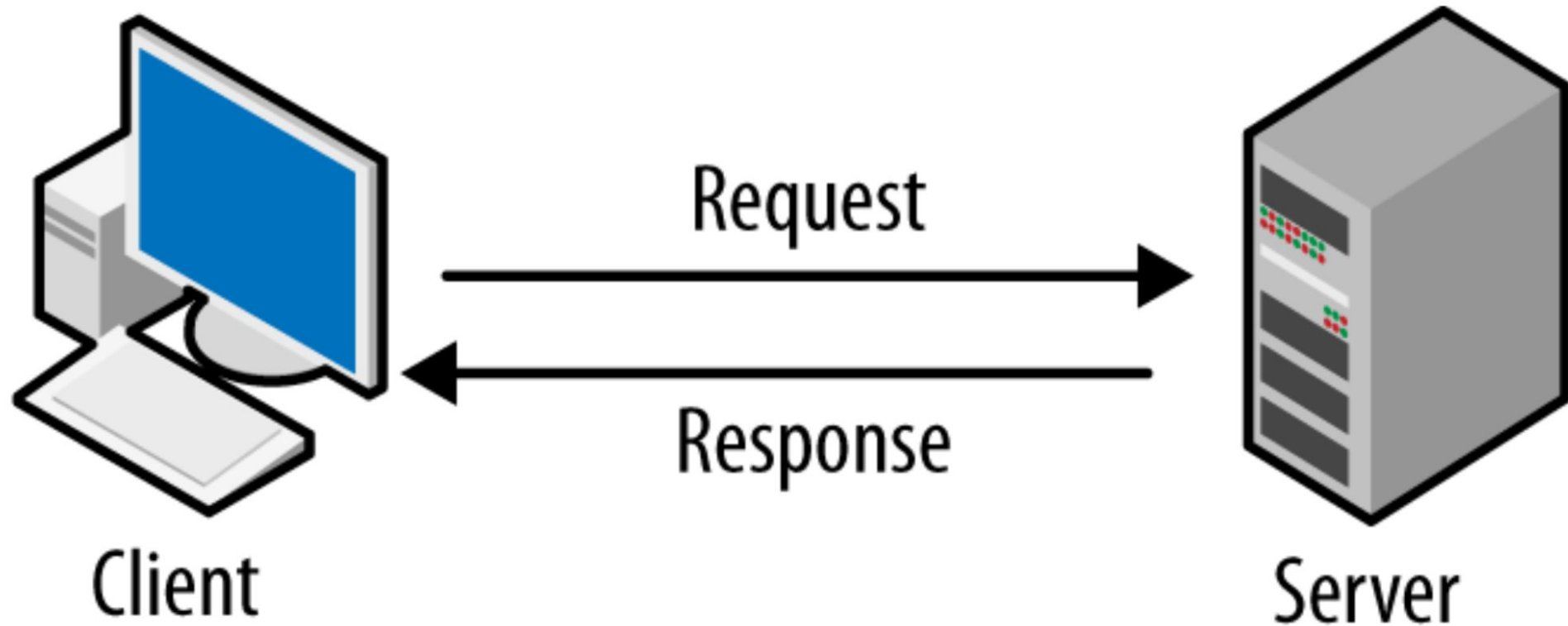
What is NGINX?

At the most basic level, whenever a browser needs a file that is hosted on a web server, the browser requests the file via HTTP. When the request reaches the correct (hardware) web server, the (software) *HTTP server* accepts the request, finds the requested document, and sends it back to the browser, also through HTTP. (If the server doesn't find the requested document, it returns a [404](#) response instead.)



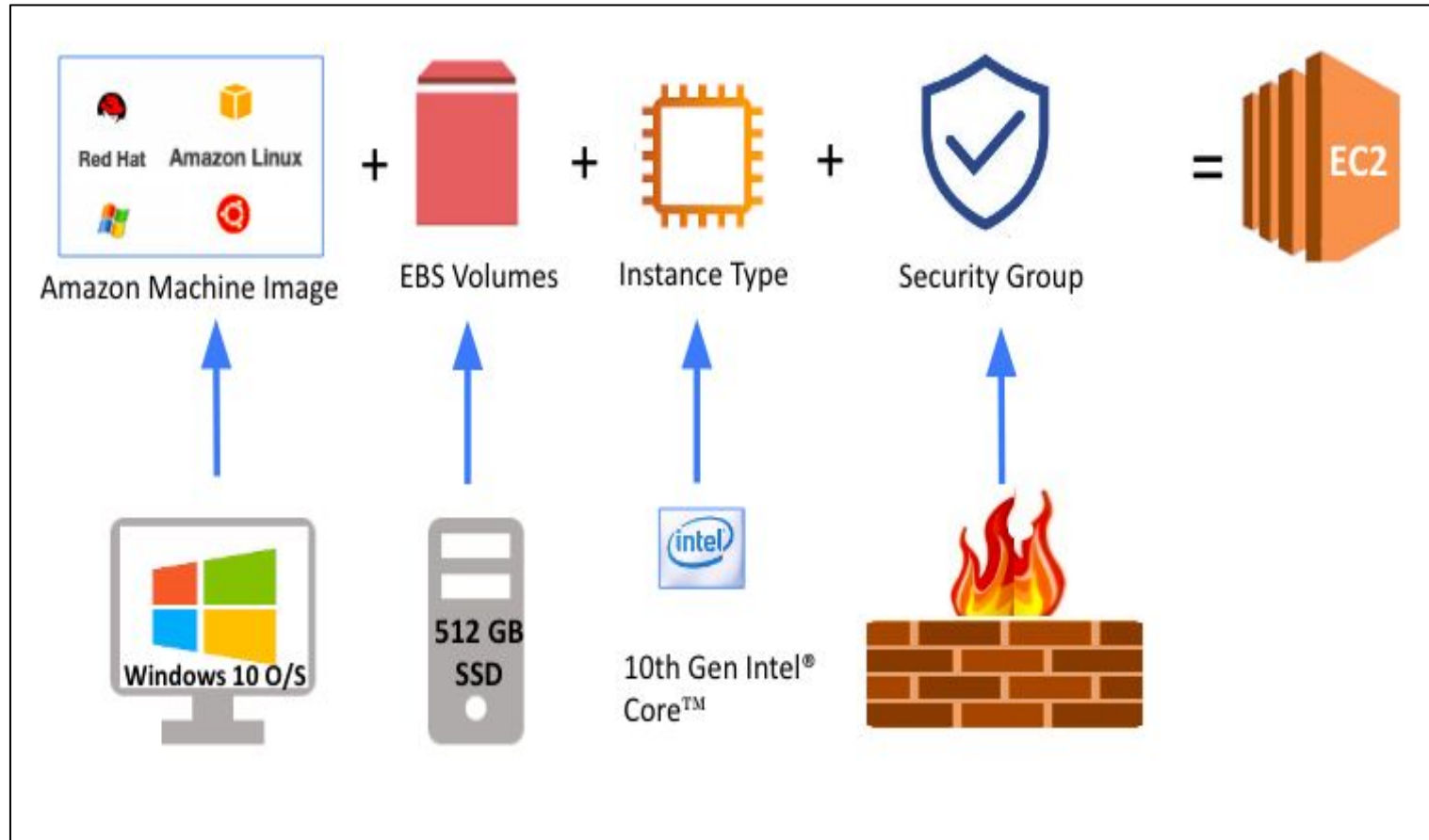
Launching EC2

What is EC2?



EC2 Launch Template

What is EC2?





EC2 Launch Template



template ?



THANKS!

Any questions?

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