



Applied!

Computer Networks

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[aComputerNetworks.github.io](https://github.com/aComputerNetworks)

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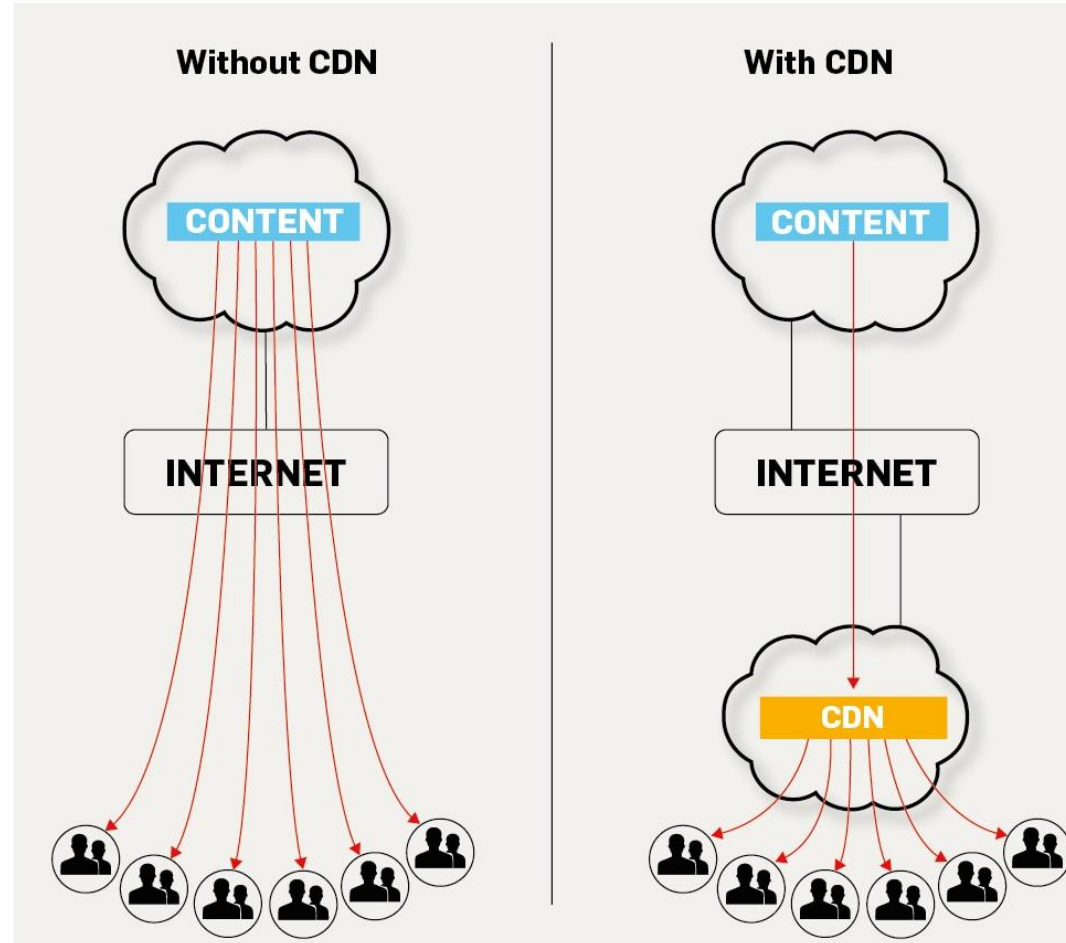
Modern CDNs

What is CDN?

- Content delivery network (CDN)
- Is a network of interconnected servers that speeds up webpage loading for data-heavy applications.

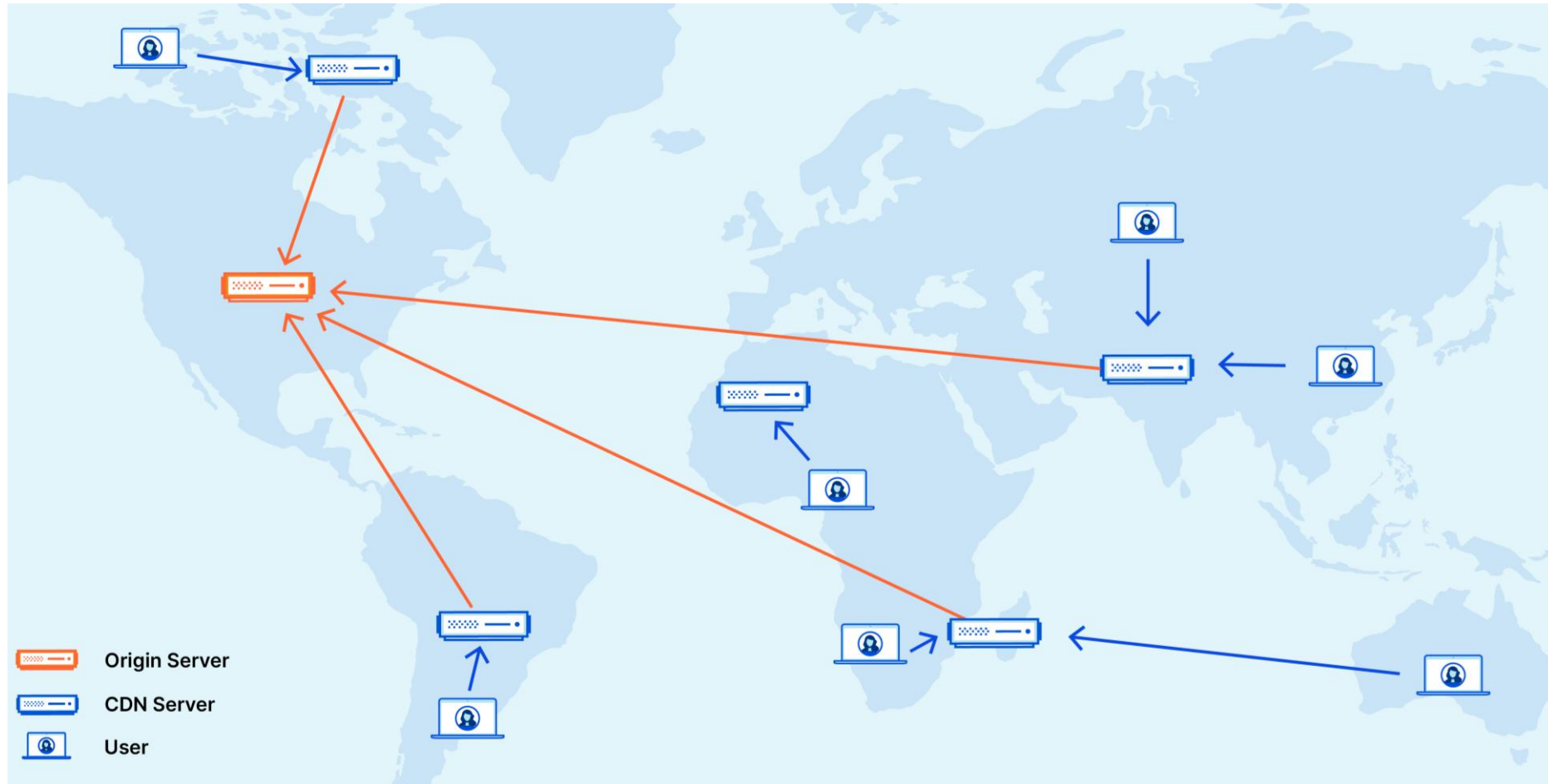
What is CDN?

- CDN can stand for content delivery network or content distribution network.



What is CDN?

- CDN servers geographically closer to the users and reaches their computers much faster.



Modern CDNs

- Modern CDNs offer other features like:
 - DoS/DDoS Protection
 - Image/pages compression
 - DNS
 - Access management
 - Firewall
 - Free SSL certificate
 - WAF
- Modern CDN e.g.
 - Cloudflare
 - Amazon
 - ...

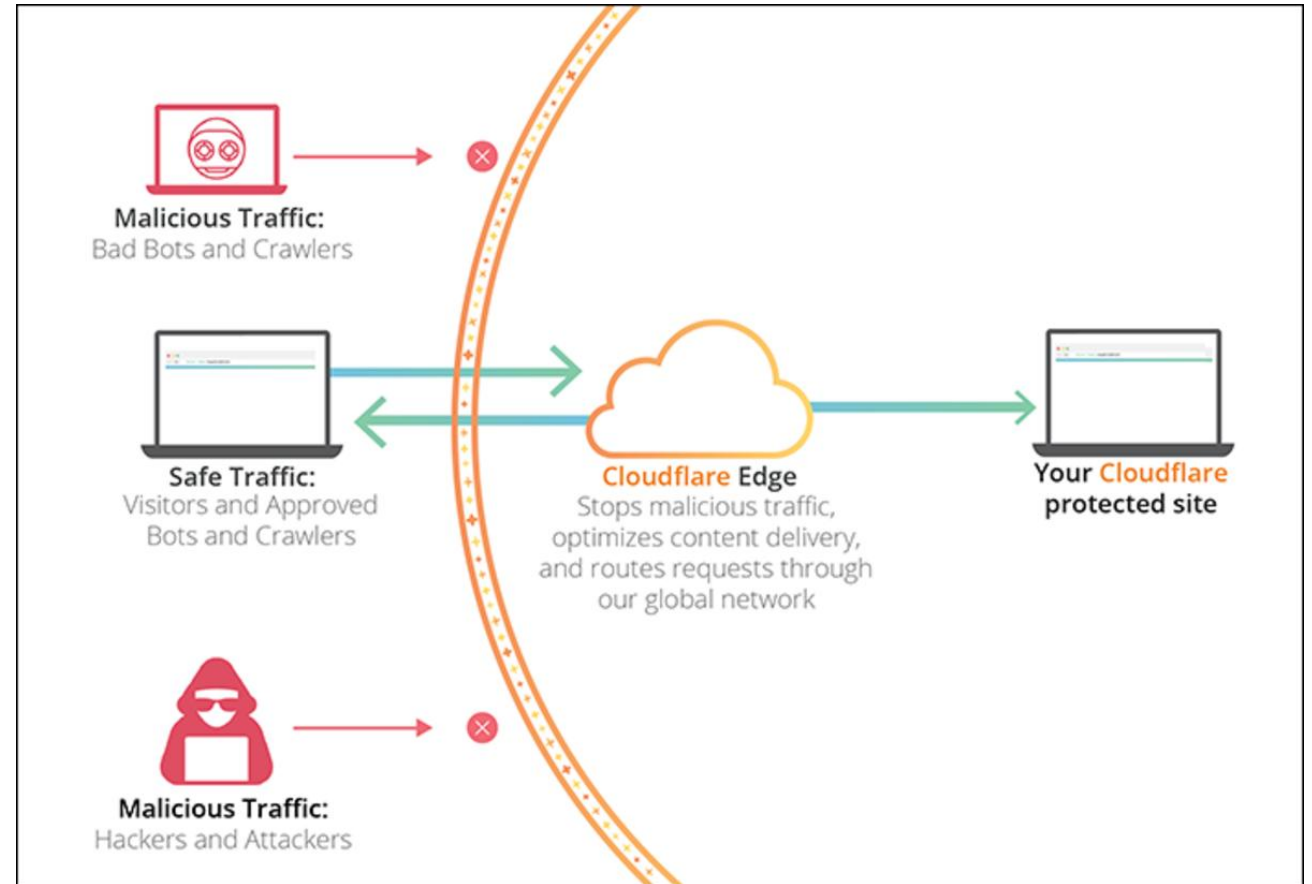


Cloudflare

- Demo

Cloudflare

- Hide real IP
- Attacker connect to CDN IP
- Real server will protected!



CloudUnflare

- <https://github.com/greycatz/CloudUnflare>

```
schopy@uxmint ~/cloudunflare $ bash cloudunflare.bash
```

```
      _(_)  
    _(_)_  
  (_ )  
CLLOUDFLARE  
RECONNAISSANCE  
V 0.1
```

```
Input domain name  
Example: google.com  
>> m884u.com
```

```
INFO: Checking m884u.com  
+ 104.18.66.94 [CLOUDFLARENET]  
+ 104.18.67.94 [CLOUDFLARENET]  
INFO: Subdomain enumeration progress [20/67]  
INFO: Checking m.m884u.com  
+ 104.18.66.94 [CLOUDFLARENET]  
+ 104.18.67.94 [CLOUDFLARENET]  
INFO: Subdomain enumeration progress [41/67]  
INFO: Subdomain enumeration progress [61/67]  
INFO: NS History by CompleteDNS.com  
* Empty  
INFO: IP History by ViewDNS.com  
+ 2019-09-19 | 202.61.65.96 | Oakleigh Capital Ltd (Philippines)  
+ 2019-10-03 | 104.18.66.94 | Cloudflare&#44; Inc. (United States)  
+ 2019-10-03 | 104.18.67.94 | Cloudflare&#44; Inc. (United States)
```

How it works?

- DNS history
- <https://completedns.com/>

