Introduction to Browsing

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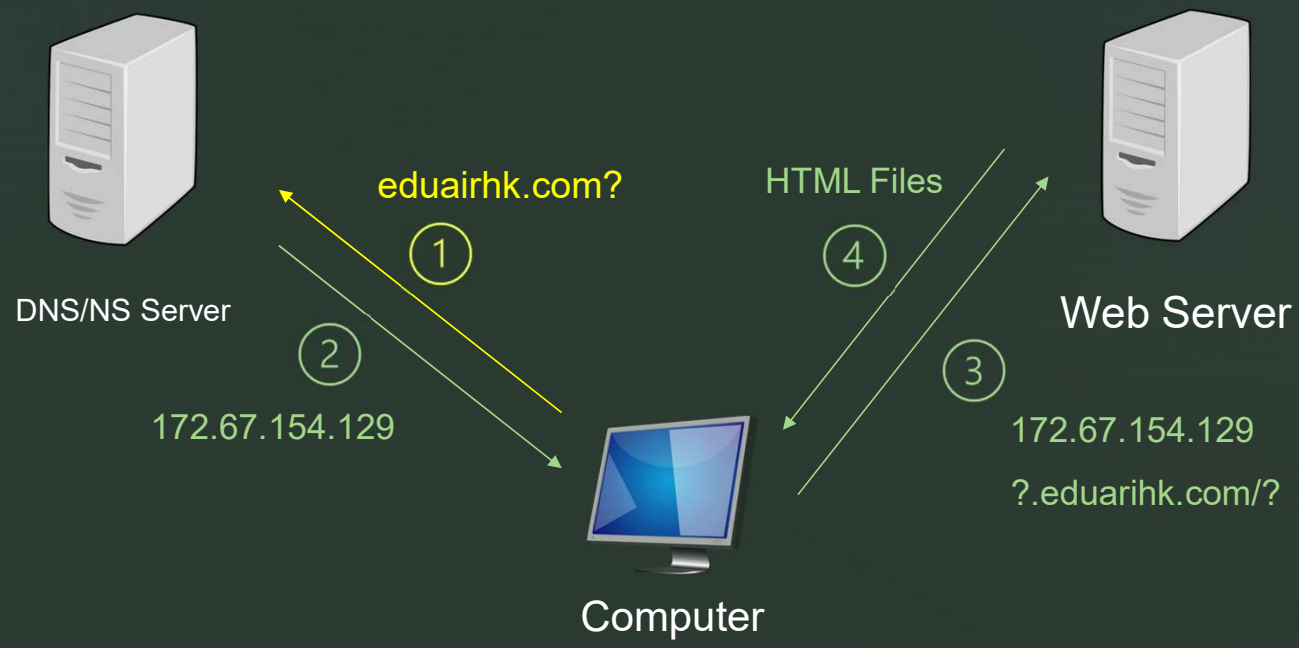
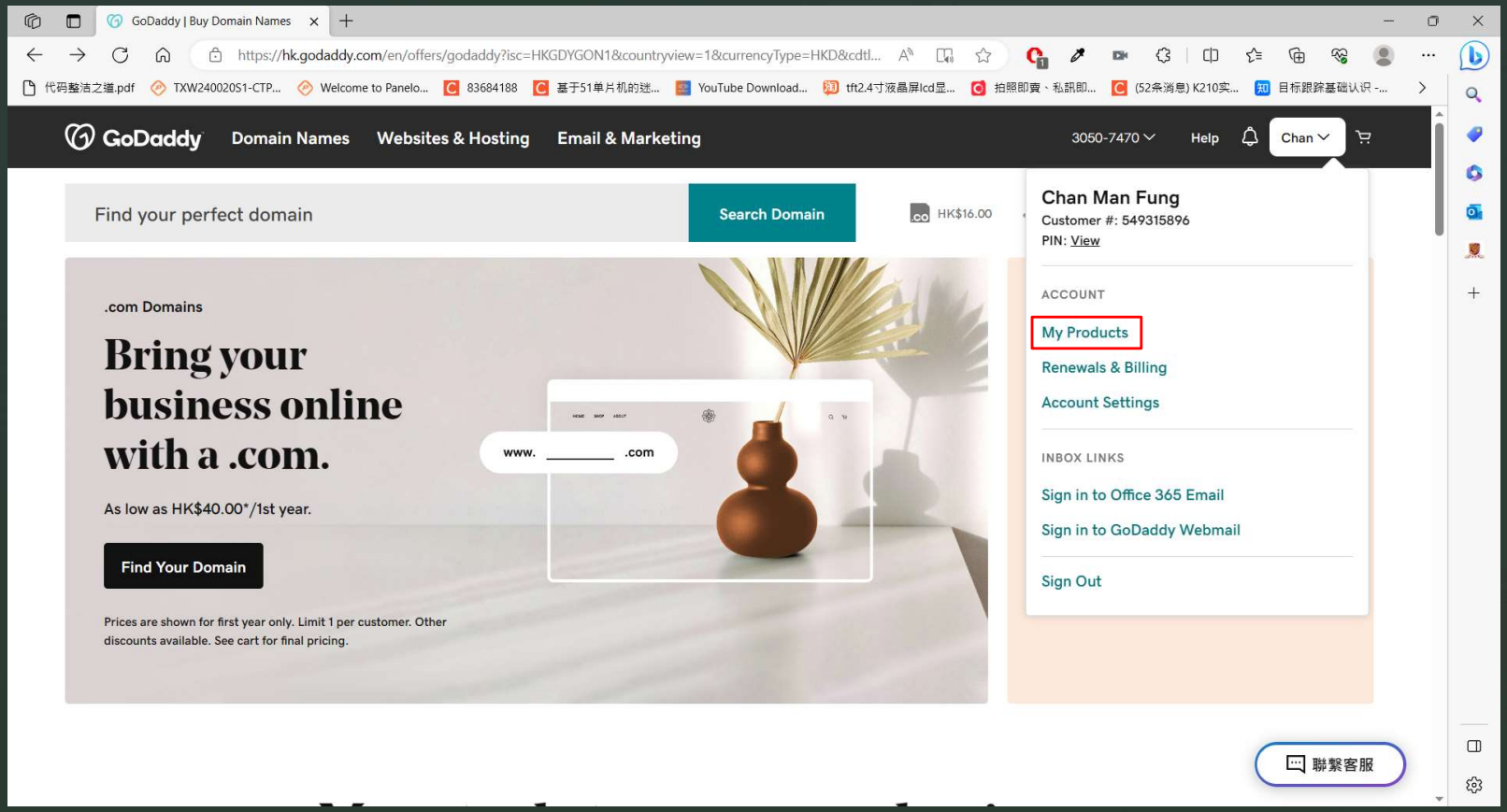
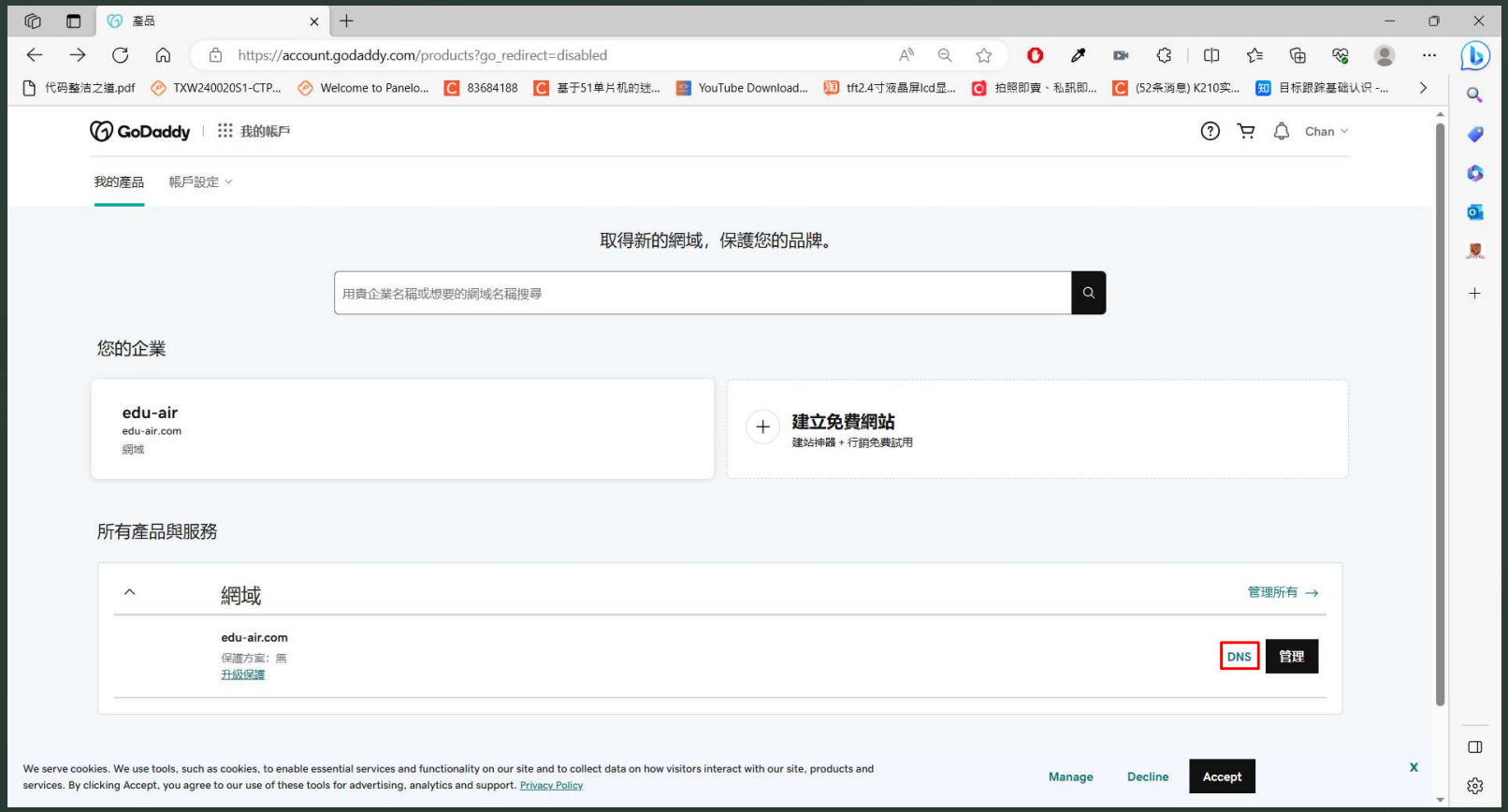
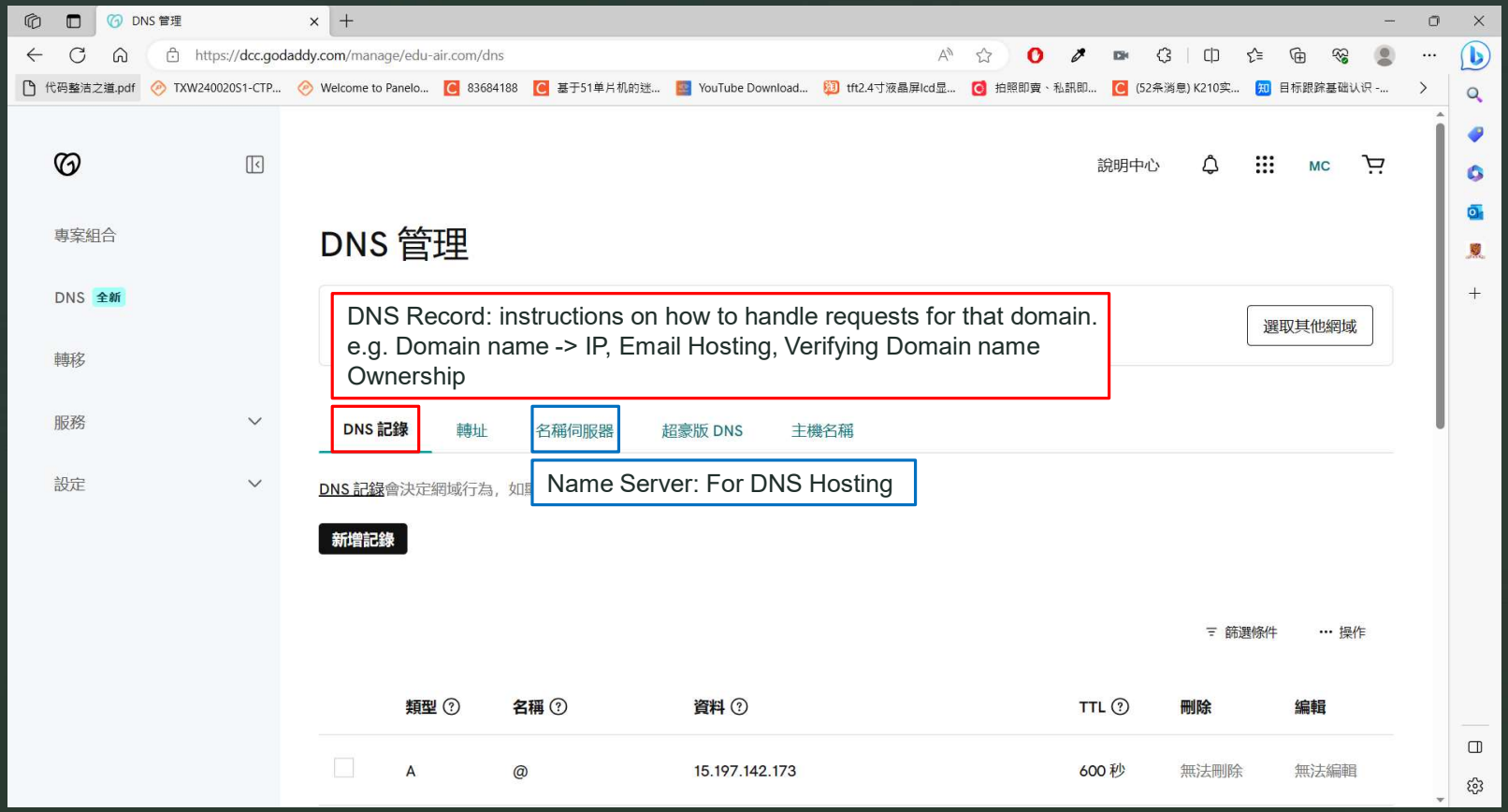


Domain Name

- eduairhk.com is bought at GoDaddy
  - Name Server Setting is forwarded to Cloudflare
  - Mail Server Setting is set to Outlook
  - Cloudflare: Name Server and Reverse Proxy
- edu-air.com is bought at GoDaddy
  - Forwarding to eduairhk.com


GoDaddy | Buy Domain Names
https://hk.godaddy.com/en/offers/godaddy?isc=HKGDYGON1&countryview=1&currencyType=HKD&cdtl...
GoDaddy
Domain Names
Websites & Hosting
Email & Marketing
3050-7470
Help
Chan
Find your perfect domain
Search Domain
HK$16.00
.com Domains
Bring your business online with a .com.
As low as HK$40.00*/1st year.
Find Your Domain
Prices are shown for first year only. Limit 1 per customer. Other discounts available. See cart for final pricing.
www. _____ .com
Chan Man Fung
Customer #: 549315896
PIN: View
ACCOUNT
My Products
Renewals & Billing
Account Settings
INBOX LINKS
Sign in to Office 365 Email
Sign in to GoDaddy Webmail
Sign Out
聯繫客服


產品
https://account.godaddy.com/products?go_redirect=disabled
GoDaddy
我的帳戶
Chan
我的產品
帳戶設定
取得新的網域，保護您的品牌。
用貴企業名稱或想要的網域名稱搜尋
您的企業
edu-air
edu-air.com
網域
建立免費網站
建站神器 + 行銷免費試用
所有產品與服務
網域
管理所有 →
edu-air.com
保護方案：無
升級保護
DNS
管理
We serve cookies. We use tools, such as cookies, to enable essential services and functionality on our site and to collect data on how visitors interact with our site, products and services. By clicking Accept, you agree to our use of these tools for advertising, analytics and support. Privacy Policy
Manage
Decline
Accept


DNS 管理
https://dcc.godaddy.com/manage/edu-air.com/dns
說明中心
MC
專案組合
DNS 全新
轉移
服務
設定
DNS 管理
DNS Record: instructions on how to handle requests for that domain. e.g. Domain name -> IP, Email Hosting, Verifying Domain name Ownership
選取其他網域
DNS 記錄
轉址
名稱伺服器
超豪版 DNS
主機名稱
Name Server: For DNS Hosting
新增記錄
篩選條件
操作
類型
名稱
資料
TTL
刪除
編輯
A
@
15.197.142.173
600 秒
無法刪除
無法編輯

DNS Record

A: IPv4 IP位址
CNAME: Canonical Name 別名
MX: Mail Exchanger 郵件伺服器
TXT: Text 多用於驗證網域擁有權

類型 ▲	名稱	內容	Proxy 狀態	TTL	動作
A	admin		通過 Proxy 處理	自動	編輯
A	beta		通過 Proxy 處理	自動	編輯
A	eduairhk.com		通過 Proxy 處理	自動	編輯
A	e		通過 Proxy 處理	自動	編輯
A	storage		通過 Proxy 處理	自動	編輯
CNAME	autodiscover	autodiscover.outlook.com	通過 Proxy 處理	自動	編輯
R2	download.eduairhk.com	download	通過 Proxy 處理	自動	編輯
CNAME	www	eduairhk.com	通過 Proxy 處理	自動	編輯
MX	eduairhk.com		僅 DNS	自動	編輯
TXT	_acme-challenge		僅 DNS	自動	編輯
TXT	_acme-challenge		僅 DNS	自動	編輯
TXT	eduairhk.com		僅 DNS	自動	編輯
TXT	eduairhk.com		僅 DNS	自動	編輯

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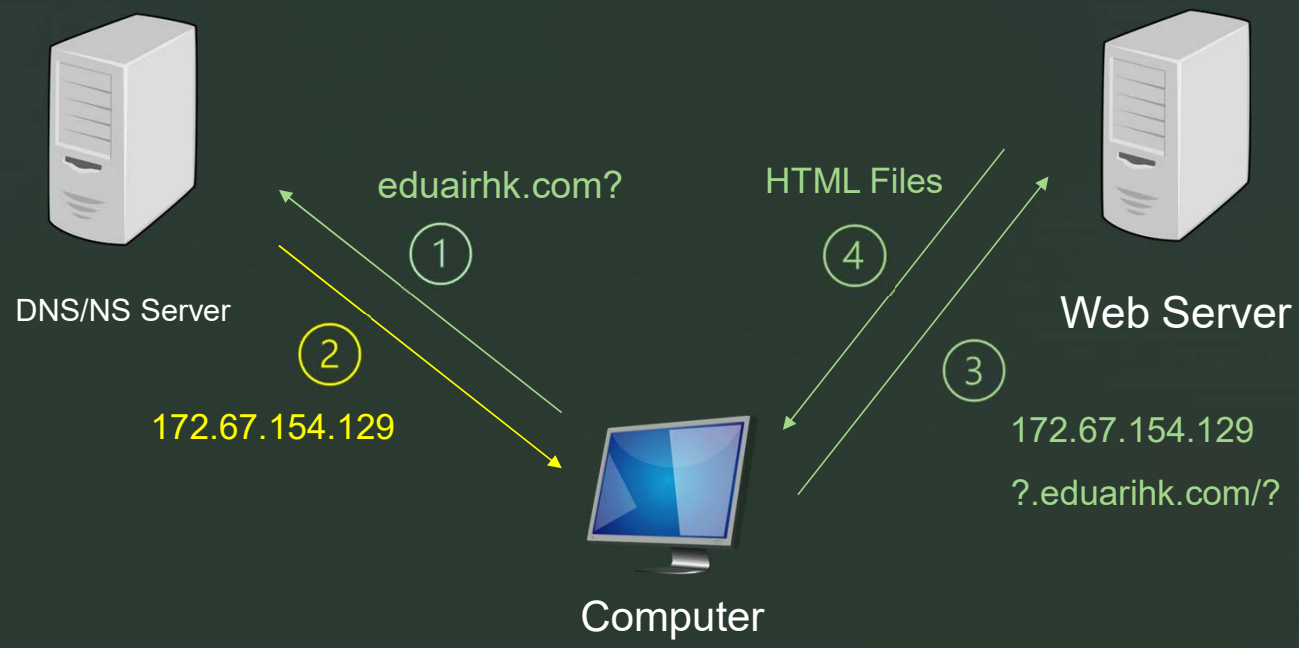
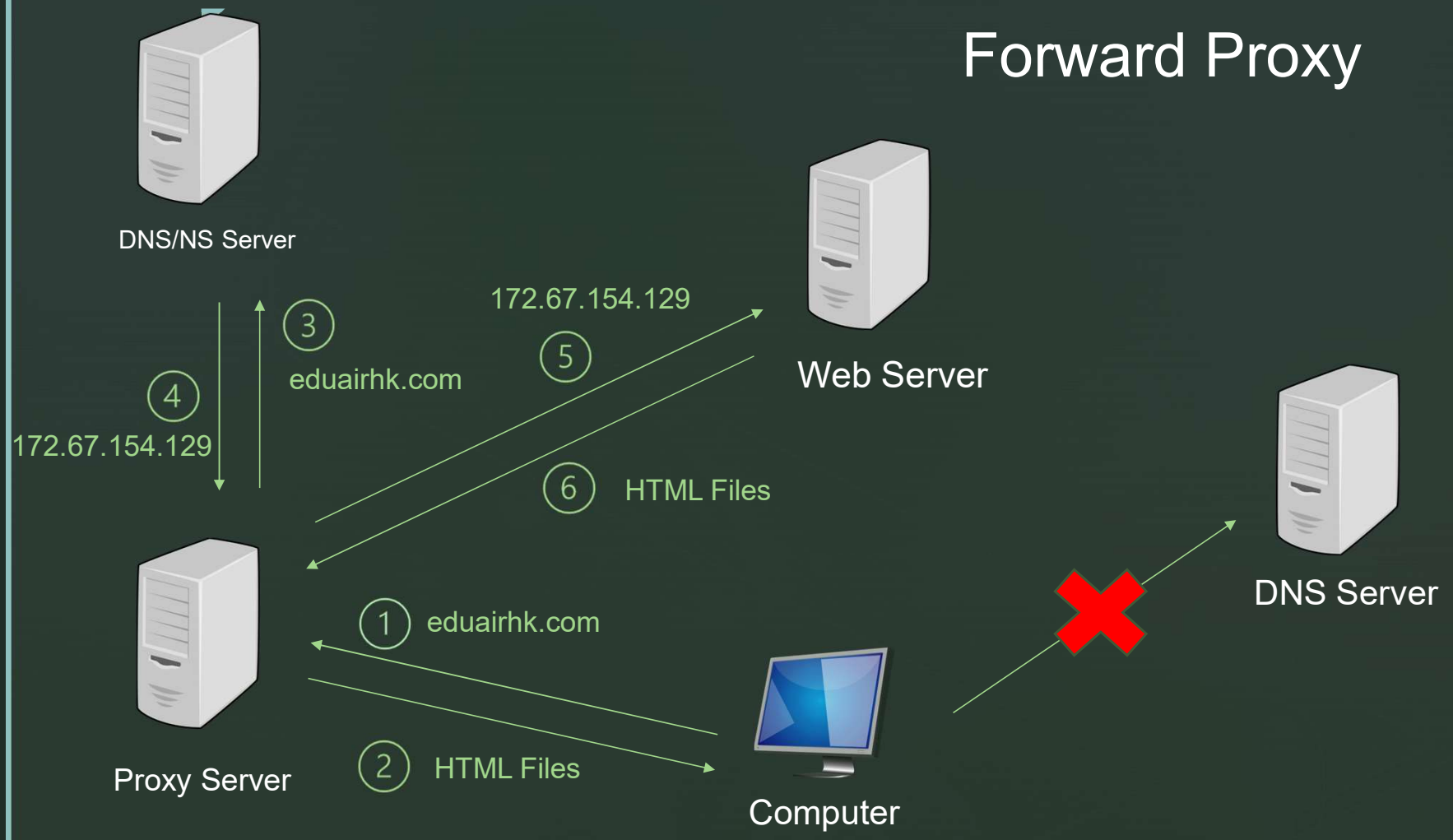
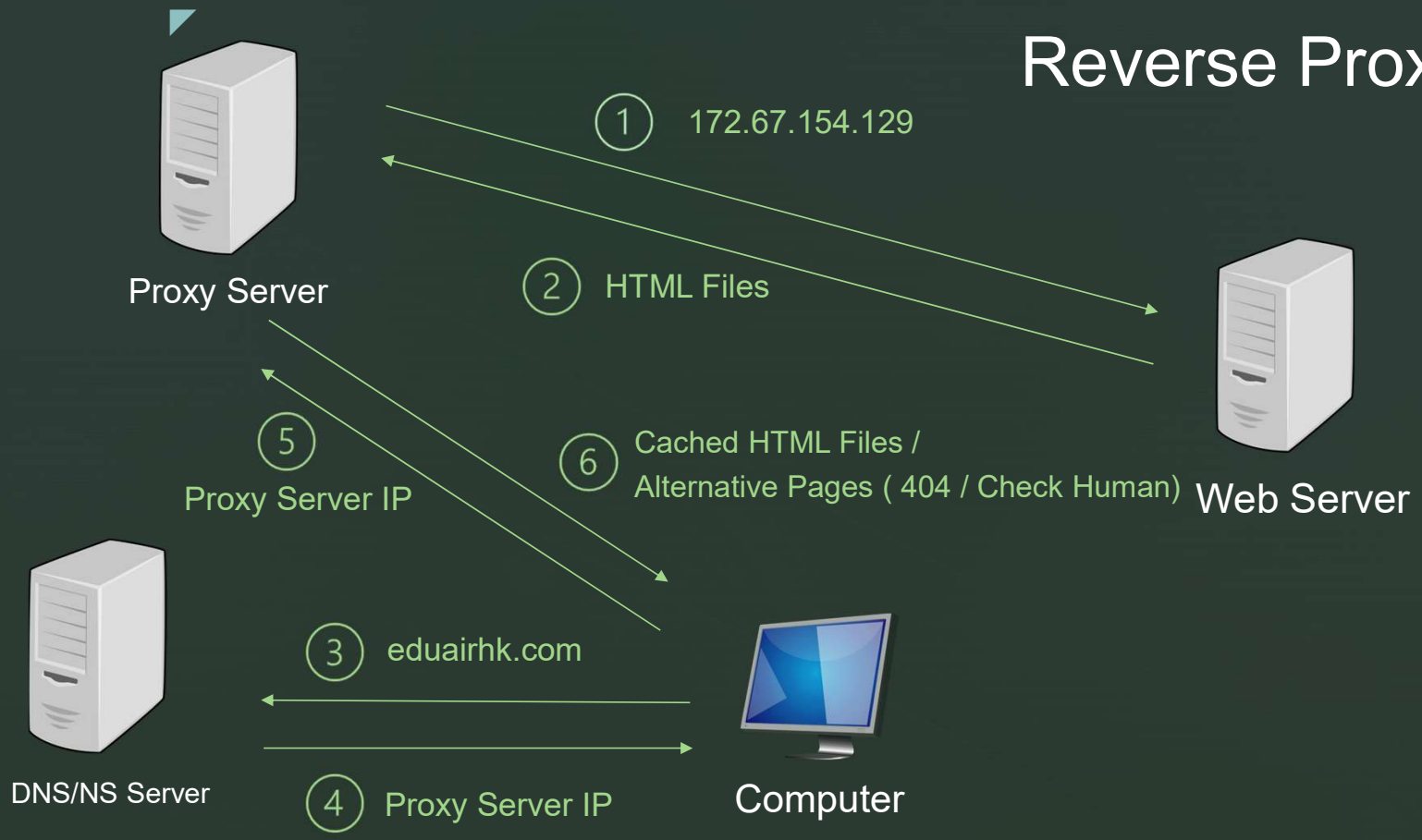


Forward Proxy



Reverse Proxy



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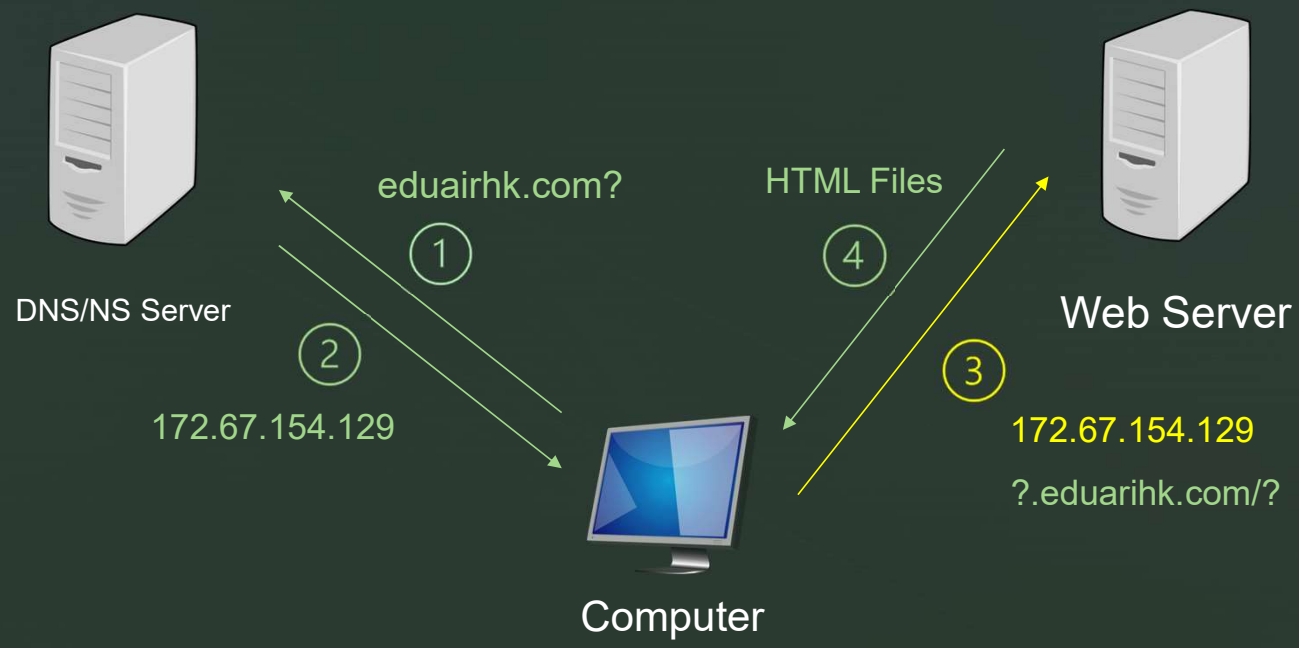


Server

- Currently, Server is hosted on AWS EC2
- How to connect to server?

ssh	–i xxxx.pem	-4	ubuntu@eduairhk.com
	SSH Key	Use IPv4	username@domain_name / username@ip_address

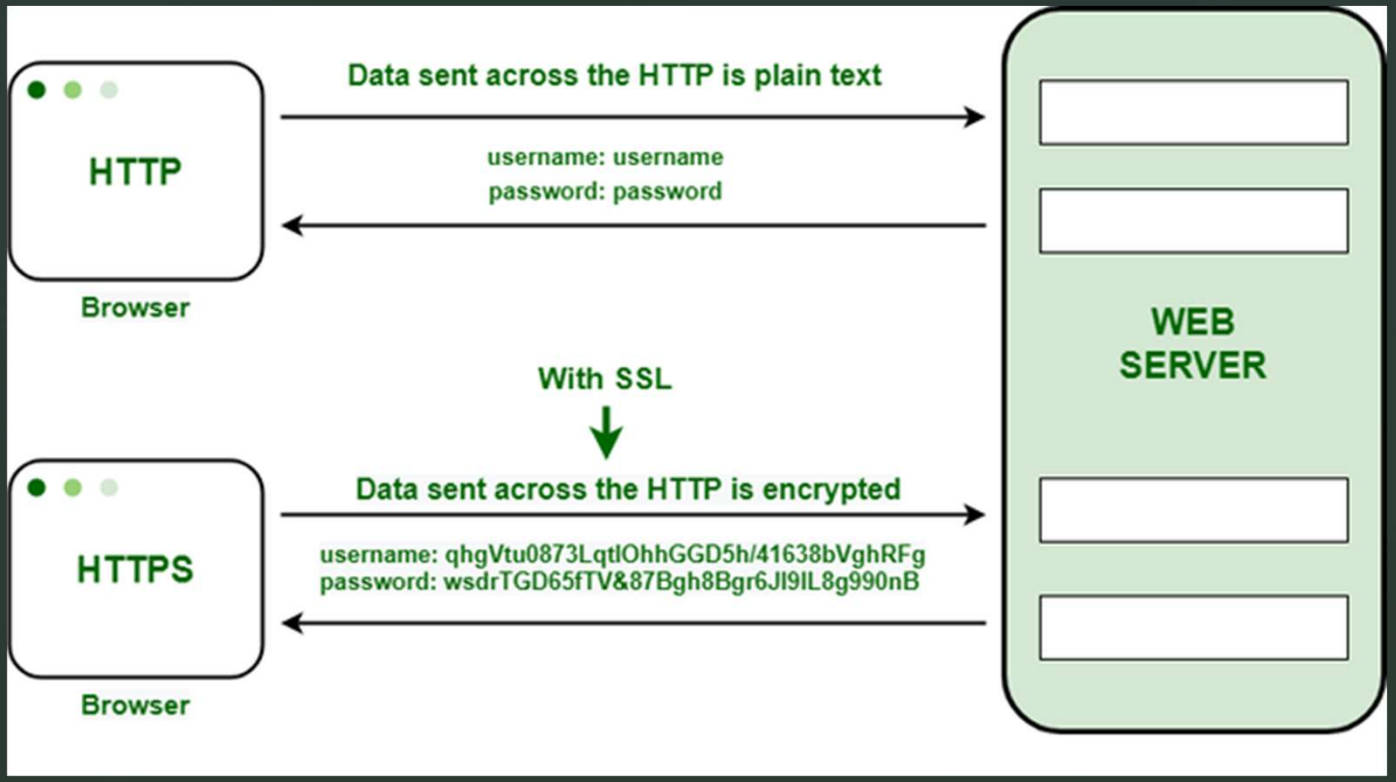
- Use nginx as webserver (/etc/nginx/enabled_sites)

Nginx

- Reverse Proxy
  - a.eduairhk.com -> eduairhk.com:3000
  - eduairhk.com/a/c -> a.eduairhk.com/c
  - b.eduairhk.com -> edu-air.com
  - http://eduairhk.com -> https://eduairhk.com
- Web Server
  - d.eduairhk.com -> /http/html/d/index.html
  - e.eduairhk.com -> /http/html/e/index.html
- SSL Setting

SSL/TLS and HTTPS

- Secure Sockets Layer/ Transport Layer Security
- SSL ≈ TLS (safer)
- Simplify, HTTP with SSL = HTTPS
- Advantage
  - Secure connection
  - Encrypt personal information
  - BLE/ Serial/ Webcam… need HTTPS
- Currently using Cloudflare SSL (15 years)



Hash: irreversible
Encryption: revertible

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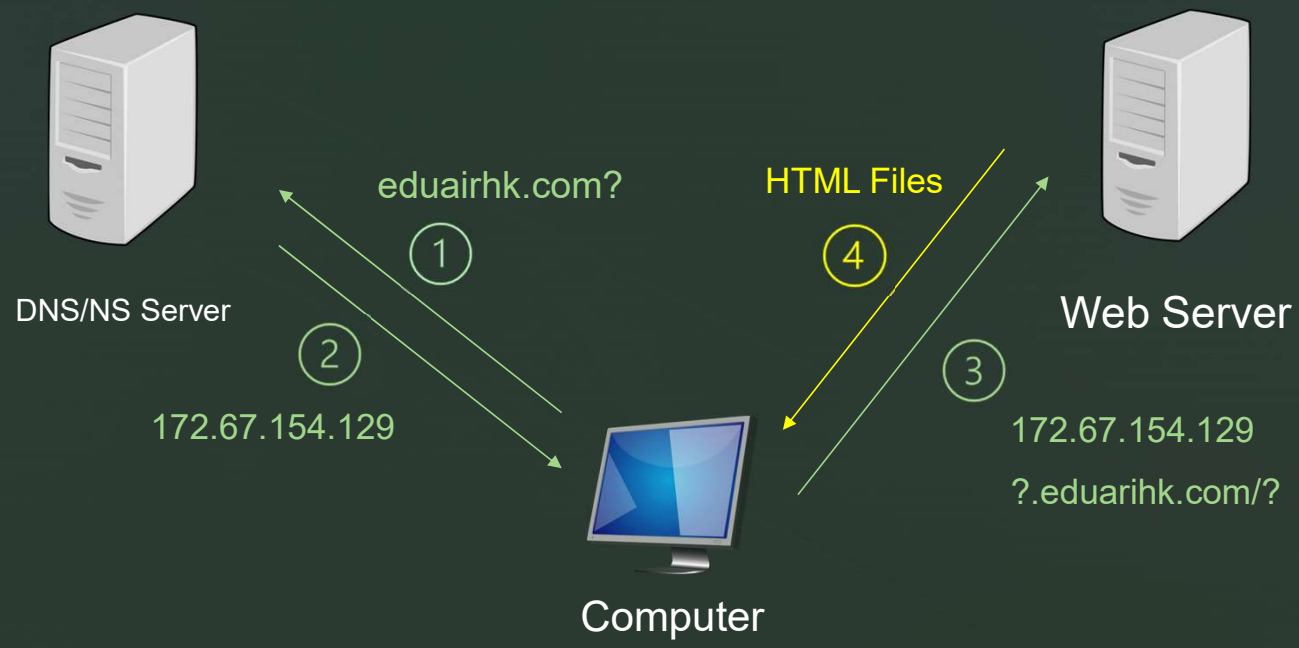
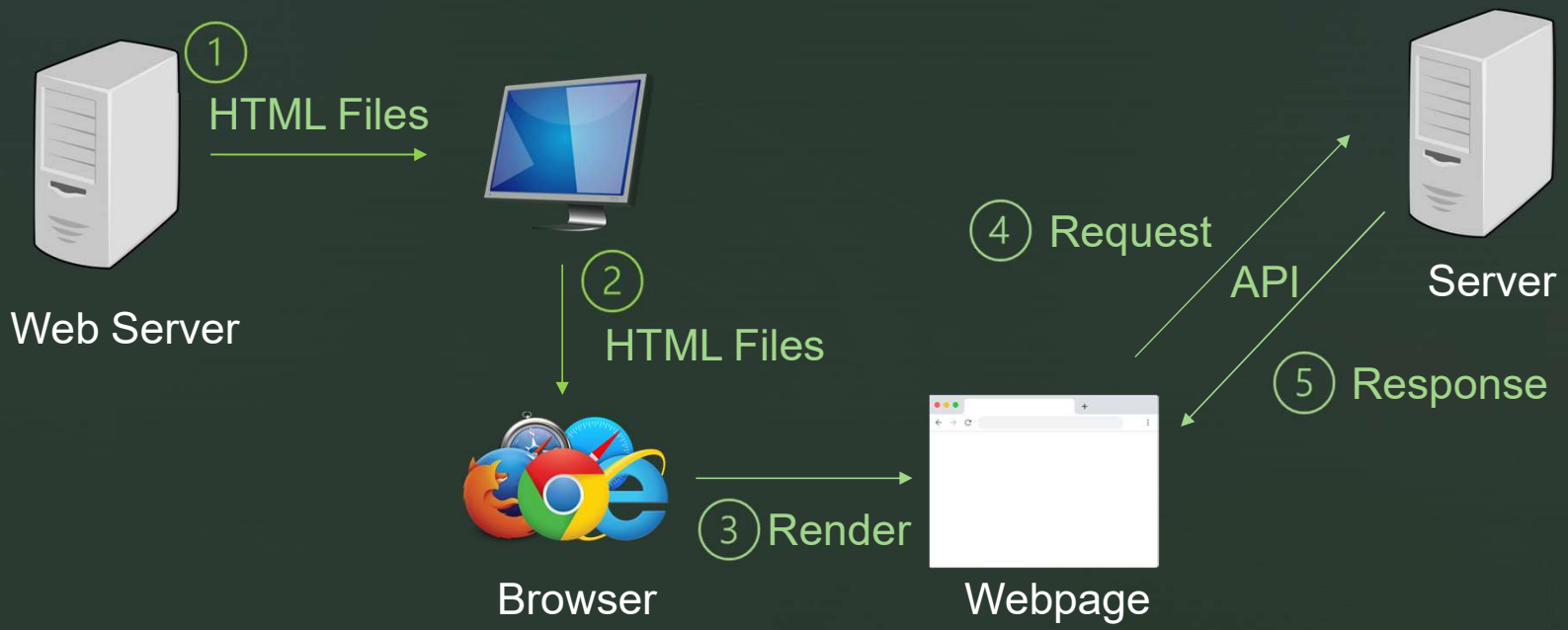
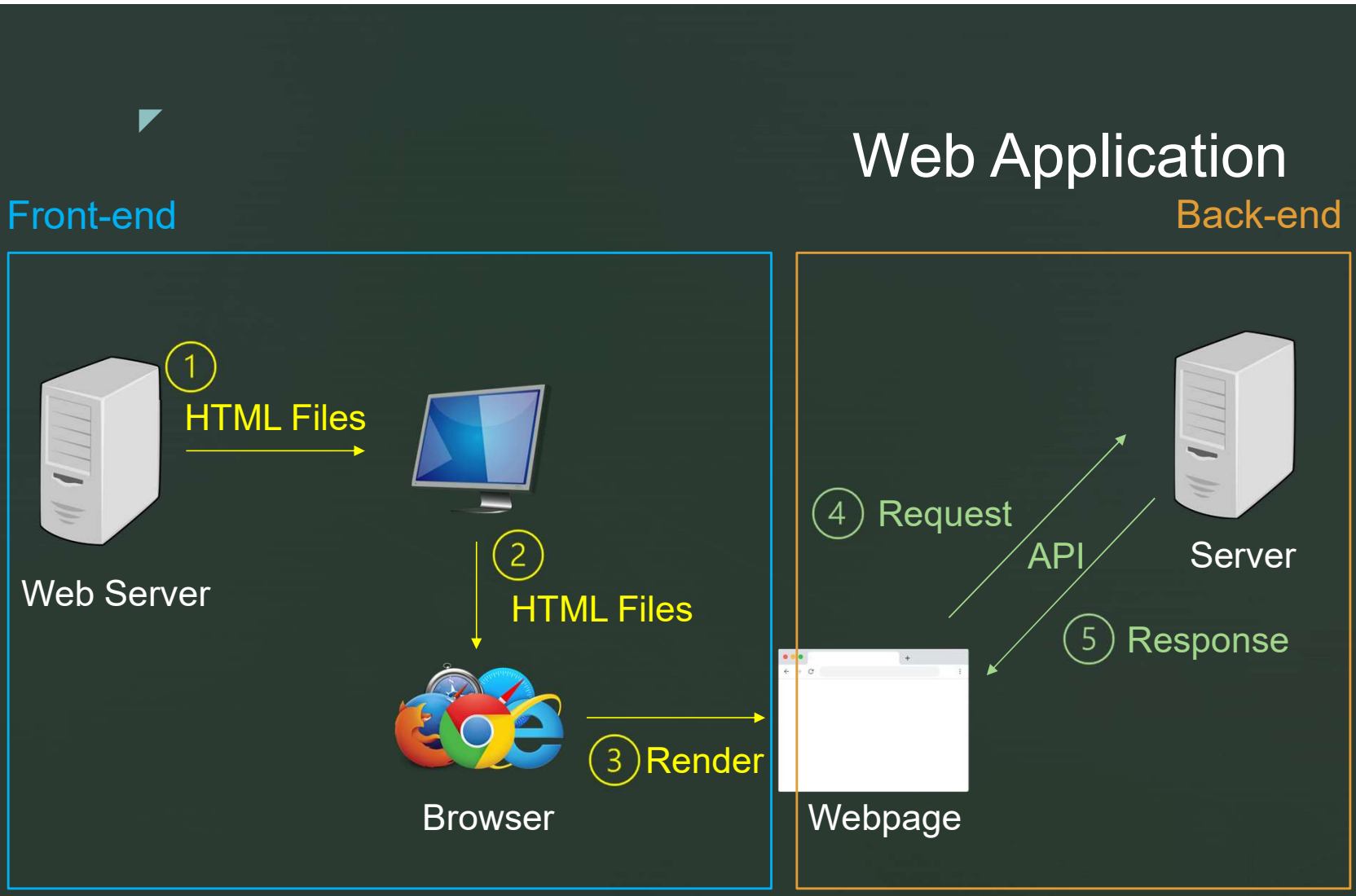


Web Application

- Server = Computer running apps and response to request
- Web App = App running on a computer that return html



Web Application



Basic Website Structure

- HTML (骨架)

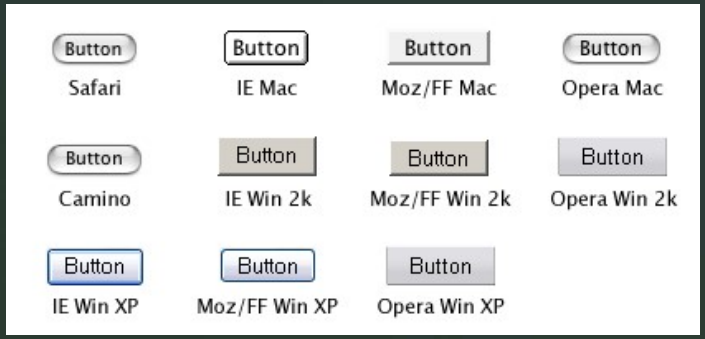
  <html> </html>

- CSS (皮膚)

  <style> </style>

- JavaScript (肌肉)

  <script> </script>



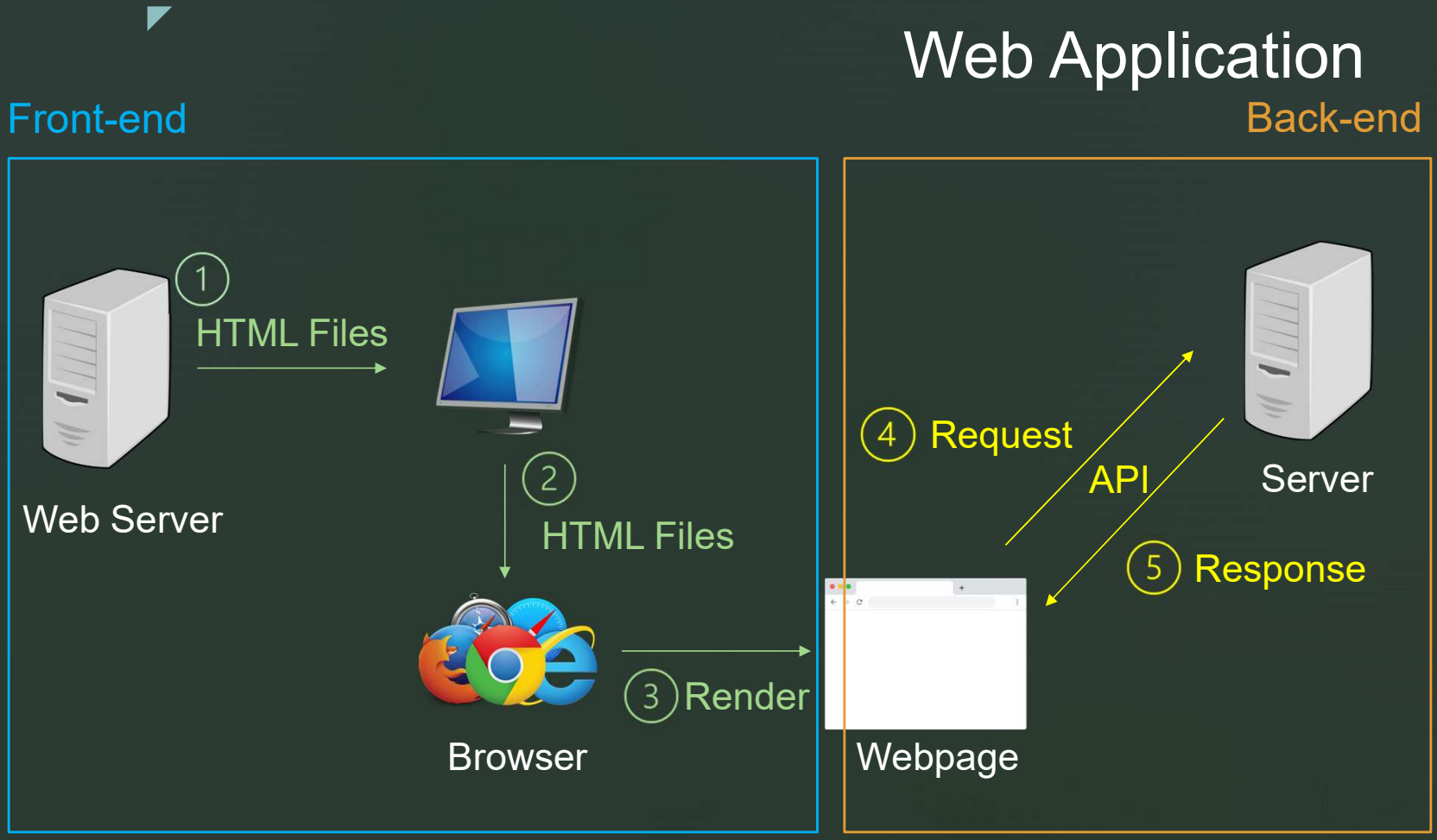
Browser default button style

CSS styled button

Front-end

- Framework: Vue.js - SPA (Single-Page Application)
- Why Framework? Reduce Code Repetition, Simplify, Scalability
- SPA Advantage:
  - Quick Loading Time
- Disadvantage:
  - SEO
- Other Frameworks: React.js, Angular.js

Web Application



Back-end

- Provide Public / Private API
- API: Application Programming Interface. Interface that allow different applications(software) to communicate Example: Google Map, PayPal, ChatGPT
- Currently using Express.js for temp file storage
- Download File stored in Cloudflare
- New: Can use WordPress account to login

Payment

- AWS EC2 & Instance Storage: 3.9USD per month (lowest spec) @AWS
- Domain Name: 160HKD for Second Year @GoDaddy
- Domain Name2 (edu-air.com): canceled
- Security and Reverse Proxy: 20USD per month @Cloudflare
- Outlook Business: ? @Outlook

Server Spec Selection

Name	Price	CPU	Memory	Month
t3.nano	0.0052 USD	2	0.5 GiB	3.9USD
t3.micro	0.0104 USD	2	1 GiB	7.8USD
t3.small	0.0208 USD	2	2 GiB	15.6USD
t3.medium	0.0416 USD	2	4 GiB	31.2USD
t3.large	0.0832 USD	2	8 GiB	62.4USD
t3.xlarge	0.1664 USD	4	16 GiB	122.8USD
t3.2xlarge	0.3328 USD	8	32 GiB	249.6USD