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(Postdoc AI)

HOSTING A WEBSITE ON DARK WEB



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1. Install Apache Web Server :

```
sudo apt-get install apache2
```

2. Configure the Apache Server :

```
sudo nano /etc/apache2/apache2.conf
```

3. Add the following lines at bottom of file :

```
ServerName localhost  
ServerName youronionaddress.onion
```

4. Replace "**youronionaddress.onion**" with your desired onion address.

5. Enable nessasry modules :

```
sudo a2enmod rewrite  
sudo a2enmod proxy  
sudo a2enmod proxy_http
```

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6. Create a virtual host configuration file :

```
sudo nano /etc/apache2/sites-available  
/youronionaddress.onion.conf
```

7. Replace "**youronionaddress.onion**" with your desired onion address and add the following content to the file :

```
<VirtualHost *:80>  
    ServerName youronionaddress.onion  
    ServerAlias www.youronionaddress.onion  
    DocumentRoot /var/www/html  
  
    ProxyPass / http://localhost:8080/  
    ProxyPassReverse / http://localhost:8080/  
</VirtualHost>
```

8. Enable the virtual host :

```
sudo a2ensite youronionaddress.onion.conf
```


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9. Place your website file in `var/www/html` directory by using copy command "cp" :

```
cp /path/to/your/website/files/* /var/www/html/
```

10. Restart the Apache Server :

```
sudo service apache2 restart
```

11. Install Tor and setup Tor Services :

```
sudo apt-get install tor  
sudo service tor start
```

12. Configure Hidden Services :

```
sudo nano /etc/tor/torrc
```

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13. After running `sudo nano etc/tor/torrc`, uncomment the lines starting with "HiddenServiceDir" and "HiddenServicePort" by removing # symbol. Edit the lines as follow :

```
#HiddenServiceDir /var/lib/tor/  
#HiddenServicePort 80 127.0.0.1:80
```

14. Restart the Tor :

```
sudo service tor restart
```

15. Retrieve your online address :

```
sudo cat /var/lib/tor/hidden_service/hostname
```

16. Your online address will be displayed in terminal and you will access your website on dark web via **Tor Browser**