Creating and Enabling an Apache Vhost

1) Start by copying the apache default vhost configuration. This will save you some time:
    a) **$sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/[domain].conf**

2) *Optional: Disable the default vhost that we no longer need.*
    a) **$sudo a2dissite 000-default**

3) Rename the default webroot and its contained log files:
    a) **$sudo mv /var/www/html/domain /var/www/html/[domain]**
    b) You can also simply copy your source to a new folder if you'd like
    c) **$sudo cp -R /var/www/html/[source] /var/www/html/[destination]**

4) Open your vhost config for editing. You may use vim or nano, as well.
    a) **$sudo vi /etc/apache2/sites-available/[domain].conf**
    b) Set directory paths correctly. ServerName should be www version, alias will be non-www version.

5) Now reload apache, to test configuration
    a) **$sudo service apache2 reload**
        i) This will fail if Apache is off. To run it: **$sudo service apache2 start**
        ii) You may also see this fail if there is a configuration error. If you get that error, you may be asked to review a log. Review that to find out the mistake you made, then re-test.

6) Make sure apache2 is set to run on boot.
    a) **$sudo update-rc.d apache2 enable**
    b) NOTE: Ubuntu 18+ uses Systemd instead of Sysv, so instead of "service", you may have to use "systemctl"

7) Enable your vhost: **$sudo a2ensite [domain]**

8) Activate your changes: **$sudo service apache2 reload**

9) Double-check that your local firewall and your hosting provider's firewall both have HTTP and HTTPs ports open **(80 and 443)**. Then test access to your new domain.
    a) You will need to change your DNS to point to your server's address, so you can wait for that to be done or you can edit your computer's hosts file **(ie. /etc/hosts or C:\windows\system32\drivers\etc\hosts)** to point your domain to your server address for testing.

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