

GIT: <https://github.com/YousefMohsen/sp2>

Task 1

1.1

See git

<https://github.com/YousefMohsen/sp2>

1.2:

1) What is the ip address of your wireless card?

192.168.0.40

2) What is the DNS server address?

193.162.153.164

3) What is the MAC address?

9C-D2-1E-2A-5A-4F

```
Select Command Prompt
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : webspeed.dk

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :
    Description . . . . . : Realtek PCIe FE Family Controller
    Physical Address. . . . . : A0-2B-88-21-11-DC
    DHCP Enabled. . . . . : No
    Autoconfiguration Enabled . . . . : Yes

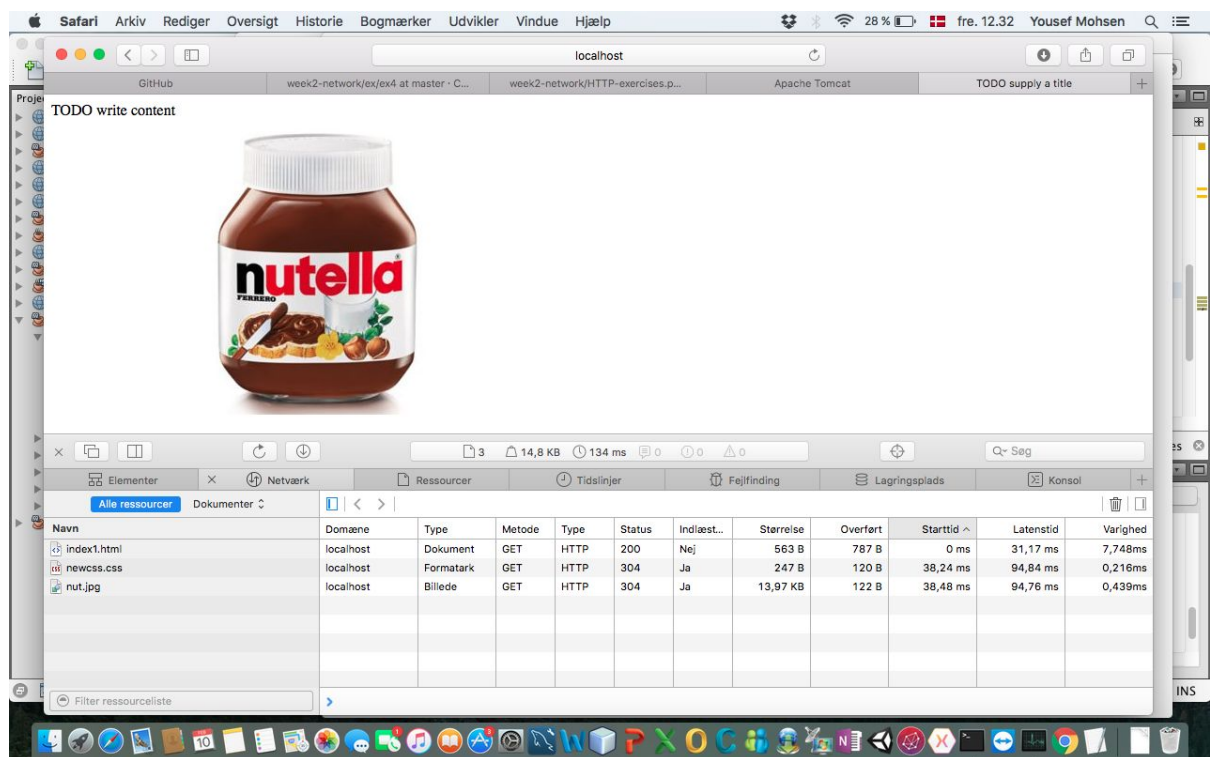
Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :
    Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
    Physical Address. . . . . : 9C-D2-1E-2A-5A-4F
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter WiFi:

    Connection-specific DNS Suffix . : webspeed.dk
    Description . . . . . : Ralink RT3290 802.11bgn Wi-Fi Adapter
    Physical Address. . . . . : 9C-D2-1E-2A-5A-4D
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . : fe80::6ce6:72a3:308:2611%16(Preferred)
    IPv4 Address. . . . . : 192.168.0.40(Preferred)
    Subnet Mask . . . . . : 255.255.255.0
    Lease Obtained. . . . . : 09 February 2017 16:03:11
    Lease Expires . . . . . : 10 February 2017 17:41:23
    Default Gateway . . . . . : 192.168.0.1
    DHCP Server . . . . . : 192.168.0.1
    DHCPv6 IAID . . . . . : 60600054
    DHCPv6 Client DUID. . . . . : 00-01-00-01-10-65-46-A1-A0-2B-88-21-11-DC
    DNS Servers . . . . . : 193.162.153.164
                           194.239.134.83
    NetBIOS over Tcpip. . . . . : Enabled
```

Task 2



Vi kan se at der bliver hentet 3 filer; html, css og jpg filer. Alle filerne bliver hentet fra localhost, og via en http Get request.

Task 3

Part 1: Deploying a HTTP server

```
GNU nano 2.5.3 File: default
##
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# http://wiki.nginx.org/Pitfalls
# http://wiki.nginx.org/QuickStart
# http://wiki.nginx.org/Configuration
#
# Generally, you will want to move this file somewhere, and start with a clean
# file but keep this around for reference. Or just disable in sites-enabled.
#
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##

# Default server configuration
#
server {
    listen 80;
    listen [::]:80;
    rewrite ^ https://138.68.93.230.xip.io:80? permanent;
}

server {
    #listen 80 default_server;
    #listen [::]:80 default_server;

    # SSL configuration
    #
    listen 443 ssl default_server;
    listen [::]:443 ssl default_server;

    ssl on;
    ssl_certificate /etc/letsencrypt/live/138.68.93.230.xip.io/fullchain.pem;
    ssl_certificate_key /etc/letsencrypt/live/138.68.93.230.xip.io/privkey.pem;

    #
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/773332
    #
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/765782
    #
    # Self signed certs generated by the ssl-cert package
    # Don't use them in a production server!
    #
    # include snippets/snakeoil.conf;

    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    server_name _;

    location / {
        # First attempt to serve request as file, then
        # as directory, then fall back to displaying a 404.
        #try_files $uri $uri/ =404;
        proxy_pass http://127.0.0.1:8080;
    }

    # pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
    #
    #location ~ \.php$ {
    #    include snippets/fastcgi-php.conf;
    #}

```

Tell nginx to listen to http requests on port 80 and to “reverse redirect” the client to port 443 with a httpS connection

```
server_name _;

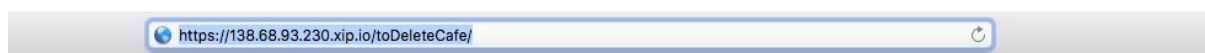
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    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
    #try_files $uri $uri/ =404;
    proxy_pass http://127.0.0.1:8080;
}

# pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
```

Tell nginx to locally redirect traffic coming from port 443 to port 8080 where Tomcat is listening

```
<!--
-->
<Connector port="8080" protocol="HTTP/1.1"
    address="localhost"
    connectionTimeout="20000"
    URIEncoding="UTF-8"
    redirectPort="8443" />
<!-- A "Connector" using the shared thread pool-->
<!--
```

Tell tomcat to only listen to connections locally.



It works :-)

Task 4

Tjek repository

<https://github.com/YousefMohsen/sp2>

Task 5

Application:

<https://138.68.93.230.xip.io/sp2task5/>

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server {
    #listen 80 default_server;
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    # SSL configuration
    #
    listen 443 ssl default_server;
    listen [::]:443 ssl default_server;
ssl on;
ssl_certificate /etc/letsencrypt/live/138.68.93.230.xip.io/fullchain.pem;
ssl_certificate_key /etc/letsencrypt/live/138.68.93.230.xip.io/privkey.pem;

    #
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/773332
    #
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/765782
    #
    # Self signed certs generated by the ssl-cert package
    # Don't use them in a production server!
    #
    # include snippets/snakeoil.conf;
}
```

Get Help Write Out Where Is Cut Text Justify Cur Pos Prev Page First Line Where's Next Mark Text Indent Text
Exit Read File Replace Uncut Text To Spell Go To Line Next Page Last Line To Bracket Copy Text Unindent Text