```
joe@web:~$ echo "I need to also configure my webserver to listen o
n an ipv6 address"
I need to also configure my webserver to listen on an ipv6 address
joe@web:~$ █
```

```
joe@web:~$ cd /etc/network/
joe@web:/etc/network$ ls
if-down.d        if-pre-up.d   interfaces
if-post-down.d   if-up.d       interfaces.d
joe@web:/etc/network$ less interfaces
joe@web:/etc/network$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOW
N group default qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fa
st state UP group default qlen 1000
    link/ether 52:54:00:08:00:45 brd ff:ff:ff:ff:ff:ff
    inet 144.38.201.36/27 brd 144.38.201.63 scope global ens3
       valid_lft forever preferred_lft forever
    inet6 2001:1948:e10:2011:5054:ff:fe08:45/64 scope global mngtm
paddr dynamic
       valid_lft 2591977sec preferred_lft 604777sec
    inet6 fe80::5054:ff:fe08:45/64 scope link
       valid_lft forever preferred_lft forever
joe@web:/etc/network$
```

joe@web:/etc/network$ echo "What?? I already have an ipv6 address. Nice, I guess I don't need to do any network related stuff here"
What?? I already have an ipv6 address. Nice, I guess I don't need to do any network related stuff here
joe@web:/etc/network$

```
joe@web:/etc/network$ echo "I do need to configure a virtual host
with that same ipv6 address"
I do need to configure a virtual host with that same ipv6 address
joe@web:/etc/network$
```

```
joe@web:/etc/network$ cd /etc/apache2/sites-enabled/
joe@web:/etc/apache2/sites-enabled$ cat ipv6.mojojojo.ml.conf
<VirtualHost 2001:1948:e10:2011:5054:ff:fe08:45:80>
  ServerName ipv6.mojojojo.ml
  DocumentRoot /var/www/html/ipv6.mojojojo.ml
</VirtualHost>
joe@web:/etc/apache2/sites-enabled$ echo "You can see my ip addres
s there, which is the same one I got from the 'ip a' command"
You can see my ip address there, which is the same one I got from
the 'ip a' command
joe@web:/etc/apache2/sites-enabled$ echo "Note that the last numbe
rs are still port 80"
Note that the last numbers are still port 80
joe@web:/etc/apache2/sites-enabled$ 
```

```
joe@ns1:~$ echo "Now i'm adding a AAAA record for that host"
Now i'm adding a AAAA record for that host
joe@ns1:~$
```

```
joe@ns1:/etc/bind$ sudo vi db.mojojojo.ml
```

```
$TTL        3600
@           IN          SOA        ns1.mojojojo.ml. root.ns1.mojojojo.ml. (
                                   2018032002          ; Serial
                                       3600            ; Refresh
                                        300            ; Retry
                                     241920            ; Expire
                                        60)            ; Negative Cache TTL
;
@           IN          NS         ns1.mojojojo.ml.
@           IN          NS         ns2.mojojojo.ml.


;
; A address records
;
@           IN          A          144.38.201.34
ns1         IN          A          144.38.201.34
ns2         IN          A          144.38.201.35
www         IN          A          144.38.201.36
db          IN          A          144.38.201.37
mail        IN          A          144.38.201.37
dhcp        IN          A          144.38.201.38
logger      IN          A          144.38.201.39
client1     IN          A          144.38.201.60
client2     IN          A          144.38.201.61


ipv6        IN          AAAA       2001:1948:e10:2011:5054:ff:fe08:45
~
"db.mojojojo.ml" 26L, 824C                                        26,1          All
```

```
joe@ns1:/etc/bind$ echo "Increment serial; restart"
Increment serial; restart
joe@ns1:/etc/bind$ echo "remember that was the ipv6 address of my
new virtual host"
remember that was the ipv6 address of my new virtual host
joe@ns1:/etc/bind$ █
```

```
joe@web:/var/www/html/ipv6.mojojojo.ml$ cat index.php
<html>
 <body>
<?php

 echo "<h1> This is my ipv6 website</h1>";
 echo "<ul><li>I am connecting from " . $_SERVER['REMOTE_ADDR'];
 echo "<li>My server address is " . $_SERVER['SERVER_ADDR'];
 echo "</ul>";
?>
</body>
</html>
joe@web:/var/www/html/ipv6.mojojojo.ml$ echo "Here is my php if yo
u want it"
Here is my php if you want it
joe@web:/var/www/html/ipv6.mojojojo.ml$ █
```