

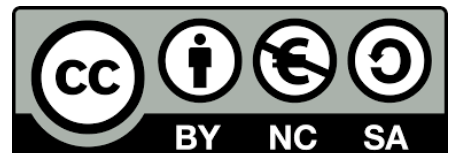


4. Web Server Administration

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Web Application Deployment

2nd C-VET Web Application Development



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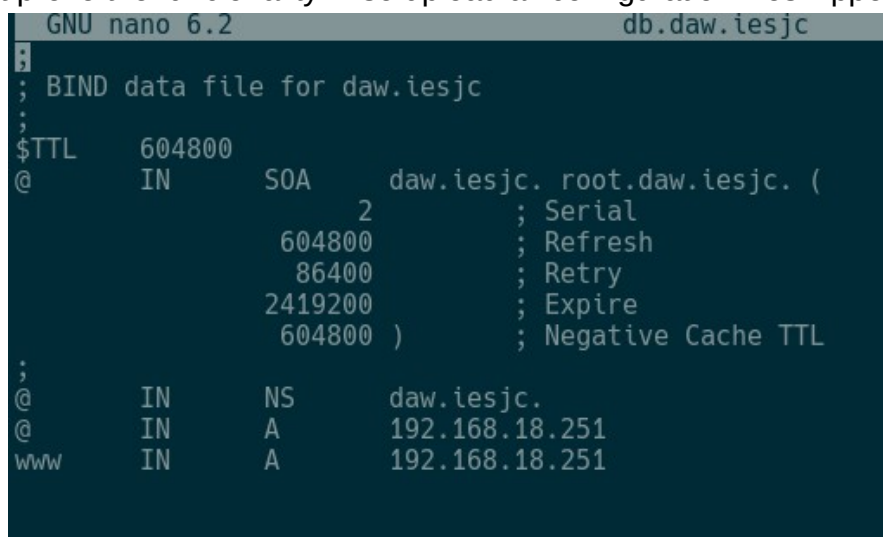
COMBINED PRACTICE DNS and APACHE2

We have been asked to manage two websites, `www.daw.iesjc` and `www.dam.iesjc`. The pages will be hosted on separate virtual servers in Apache2. The server has the IP `192.168.18.254`.

You must:

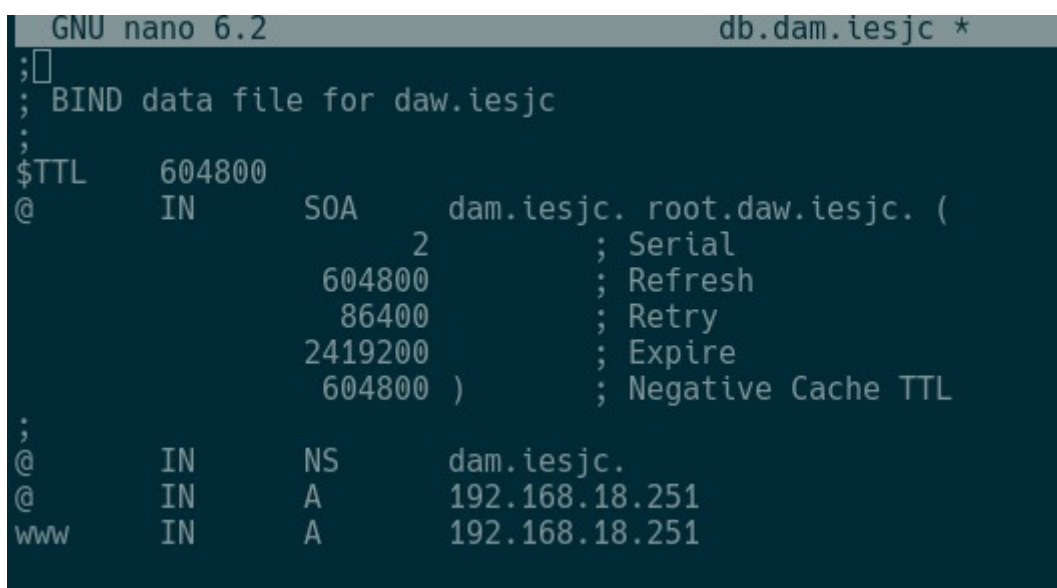
1. Configure a DNS service to handle the websites, defining the necessary zones in a Bind9 server and its database files with the information of names and IPs.
2. Configure the two virtual servers in Apache2.
3. Test the functionality of the setup by accessing the websites through their URLs.

Insert screenshots that prove the functionality. Also upload all configuration files zipped.



A screenshot of a terminal window showing the configuration of a BIND database file for the domain `daw.iesjc`. The window title is `GNU nano 6.2 db.daw.iesjc`. The content is as follows:

```
;
; BIND data file for daw.iesjc
;
$TTL      604800
@         IN      SOA      daw.iesjc. root.daw.iesjc. (
                        2      ; Serial
                        604800 ; Refresh
                        86400  ; Retry
                        2419200 ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       daw.iesjc.
@         IN      A        192.168.18.251
www       IN      A        192.168.18.251
```



A screenshot of a terminal window showing the configuration of a BIND database file for the domain `dam.iesjc`. The window title is `GNU nano 6.2 db.dam.iesjc *`. The content is as follows:

```
;
; BIND data file for daw.iesjc
;
$TTL      604800
@         IN      SOA      dam.iesjc. root.daw.iesjc. (
                        2      ; Serial
                        604800 ; Refresh
                        86400  ; Retry
                        2419200 ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       dam.iesjc.
@         IN      A        192.168.18.251
www       IN      A        192.168.18.251
```

```
GNU nano 6.2 named.conf.local
//
// Do any local configuration here
//
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "eihsa.com" {
    type master;
    file "/etc/bind/db.eihsa.com";
    allow-transfer { 192.168.18.252; };
    also-notify { 192.168.18.252; };
};

zone "18.168.192.in-addr.arpa" {
    type master;
    file "/etc/bind/db.18.168.192.in-addr.arpa";
    allow-transfer { 192.168.18.252; };
    also-notify { 192.168.18.252; };
};

zone "daw.iesjc" {
    type master;
    file "/etc/bind/db.daw.iesjc";
};

zone "dam.iesjc" {
    type master;
    file "/etc/bind/db.dam.iesjc";
};

```

```
GNU nano 6.2 /etc/apache2/sites-available/iesjc.conf
<VirtualHost *:80>
    ServerName www.daw.iesjc
    DocumentRoot /var/www/daw
</VirtualHost>
<VirtualHost *:80>
    ServerName www.dam.iesjc
    DocumentRoot /var/www/dam
</VirtualHost>

```

```
GNU nano 6.2 index.html
<h1>Sitio de DAM</h1>

```

```
GNU nano 6.2 index.html
<h1>Sitio de DAW</h1>

```

