

# 802.11N LINUX SERVER CONFIGURATIONS AND SERVICES

## Part 1 Install 802.11N drivers

<https://github.com/gnab/rtl8812au>

[https://www.youtube.com/watch?v=fVBE9gDs\\_aQ](https://www.youtube.com/watch?v=fVBE9gDs_aQ)

## Part2 Set hotspot on the wifi card usually wlan1

<https://woshub.com/create-wi-fi-access-point-hotspot-linux/>

## Part 3 Install MySQL in linux

```
sudo apt-get update
```

```
sudo apt-get install mysql-server mysql-client
```

## Part 4 Configure MySQL in linux

```
sudo mysql -u root
```

```
CREATE USER 'yourusername'@'localhost' IDENTIFIED BY 'yourpassword';
```

```
GRANT ALL PRIVILEGES ON HDSS.* TO 'hydot'@'localhost';
```

```
FLUSH PRIVILEGES;
```

```
exit;
```

## Part 5 Make MySQL to start on startup

```
sudo systemctl enable mysql
```

```
sudo systemctl start mysql
```

```
sudo systemctl status mysql
```

## Part 6 Configure Dotnet to use MySQL database and Allow Remote connection

1. Delete the migrations folder

2. Install EntityFramework core and MySQL packages

3. In the DbContext add this

```
protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder) { if (!optionsBuilder.IsConfigured)
{ optionsBuilder.UseMySQL( "Server=localhost;Port=3306;Database=HDSS;User=hydot;Password=SoLDanKoHy1;"); } }
```

4. In the Program.cs under the ConfigureKestrel add this

```
serverOptions.ListenAnyIp(5000);
```

## Part 7 Make the dotnet application to start Automatically

1. sudo nano /etc/systemd/system/hdss.service

2. Add this

```
[Unit]
```

```
Description=Hydot School System
```

```
After=network.target
```

```
[Service]
```

```
WorkingDirectory=/home/hydot/Desktop/HDSS_Backend
```

```
ExecStart=/usr/bin/dotnet watch run
```

```
Restart=always
RestartSec=10
SyslogIdentifier=hdss
User=hydot
Enviroment=ASPNETCORE_ENVIRONMENT=Development
```

```
[Install]
WantedBy=multi-user.target
```

### 3. Run this commands

```
sudo systemctl daemon-reload
sudo systemctl enable hdss
sudo systemctl start hdss
sudo systemctl status hdss
```