MeshCentral Installation on Ubuntu Server

These Instructions follow the steps of starting personal MeshCentral remote support server. Prerequisites require you to have set up ubuntu server, and have DNS record set up to point to this ip:443. It's good idea to use cloudflare tunnel or other type of tunneling service so you don't need to do port forwarding.

Installing Steps for MeshCentral

1. Update Server

```
sudo apt update && sudo apt upgrade -y
```

2. Install Node.js

```
curl -fsSL https://deb.nodesource.com/setup_20.x | sudo bash -
sudo apt install -y nodejs
```

3. Create MesCentral Directory

```
sudo mkdir /opt/meshcentral
cd /opt/meshcentral
```

4. Install MeshCentral

```
sudo npm install meshcentral
```

5. Create Dedicated User

```
sudo useradd -r -d /opt/meshcentral -s /sbin/nologin meshcentral
sudo chown -R meshcentral:meshcentral /opt/meshcentral
```

6. Grant Port 443 Access

```
sudo setcap 'cap_net_bind_service=+ep' $(which node)
```

7. Start MeshCentral

```
sudo -u meshcentral node node_modules/meshcentral
```

8. Configure for Port 443

```
sudo nano /opt/meshcentral/meshcentral-data/config.json
```

Replace in json file:

```
{
  "settings": {
    "cert": "remote.cyberclaw.org",
    "port": 443,
    "redirPort": 80,
    "wanonly": true
  },
  "domains": {
    "": {
      "title": "My MeshCentral",
      "newAccounts": true
    }
  }
}
```

9. Create Systemd Service

```
sudo nano /etc/systemd/system/meshcentral.service
```

Add:

```
[Unit]
Description=MeshCentral Server
After=network.target

[Service]
Type=simple
User=meshcentral
WorkingDirectory=/opt/meshcentral
```

```
ExecStart=/usr/bin/node node_modules/meshcentral
Restart=always
RestartSec=10

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

10. Enable and Start Service

```
sudo systemctl daemon-reload
sudo systemctl enable meshcentral.service --now
sudo systemctl status meshcentral.service
```

Login via domain set up for meshcentral. Go to create account. First Time account creation will be admin account.

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