

Certainly! Let's adjust the paths and configuration steps assuming your project is named `ehrnnow` and it is saved in `C:\inetpub\wwwroot\ehrnnow`. Below are the updated instructions:

Prerequisites

1. **Windows 10** with IIS installed.
2. **Python** installed on the system.
3. **Django** project ready on GitHub.
4. **HttpPlatformHandler** for IIS.
5. **Access to the network router and access points for configuration.**

Step 1: Install IIS and Required Components

1. **Install IIS**:
 - Go to **Control Panel** > **Programs** > **Turn Windows features on or off**.
 - Check **Internet Information Services**.
 - Expand **Internet Information Services** > **World Wide Web Services** > **Application Development Features**.
 - Check **CGI**.
 - Click **OK** to install IIS and CGI.
2. **Install HttpPlatformHandler**:
 - Download and install HttpPlatformHandler from the [official Microsoft website](https://www.iis.net/downloads/microsoft/httpplatformhandler).

Step 2: Install Python and Set Up Environment

1. **Install Python**:
 - Download and install Python from the official [Python website](https://www.python.org/).
 - Ensure Python is added to the system PATH during installation.
2. **Install Django and other dependencies**:
 - Open a Command Prompt and create a virtual environment:

```
``sh
python -m venv C:\inetpub\wwwroot\ehrnnow\myenv
```
```
  - Activate the virtual environment:

```
``sh
C:\inetpub\wwwroot\ehrnnow\myenv\Scripts\activate
```
```
 - Install Django and other required packages:

```
``sh
pip install django
```
```

### ### Step 3: Clone Your Django Project

1. **Clone your project from GitHub**:

```
``sh
git clone https://github.com/yourusername/ehrnnow.git C:\inetpub\wwwroot\ehrnnow
cd C:\inetpub\wwwroot\ehrnnow
```
```

2. **Install project dependencies**:

```
```sh
pip install -r requirements.txt
```
```

Step 4: Configure IIS

1. **Open IIS Manager**:

- Type `inetmgr` in the Run dialog or search IIS Manager in the start menu.

2. **Add a New Website**:

- Right-click on **Sites** and choose **Add Website**.
- Set the **Site name** to `ehrnw`.
- Set the **Physical path** to `C:\inetpub\wwwroot\ehrnw`.
- Set the **Binding** configurations (e.g., port 80).
- Click **OK** to create the site.

3. **Configure HttpPlatformHandler**:

- In IIS Manager, select your website (`ehrnw`).
- Double-click on **HttpPlatformHandler**.
- Add the following configuration:
 - **Process Path**: `C:\inetpub\wwwroot\ehrnw\myenv\Scripts\python.exe`
 - **Arguments**: `C:\inetpub\wwwroot\ehrnw\ehrnw\wsgi.py`
 - **Startup Time Limit**: Set to 120 seconds (or appropriate for your application).
 - **Startup Retry Count**: Set to 3.

Step 5: Configure Django for Deployment

1. **Update `settings.py`**:

- Set `DEBUG = False`.
- Set `ALLOWED_HOSTS` to include your server's IP address or domain name.
- Configure `STATIC_ROOT` and `MEDIA_ROOT` for serving static and media files:

```
```python
STATIC_ROOT = os.path.join(BASE_DIR, 'static/')
MEDIA_ROOT = os.path.join(BASE_DIR, 'media/')
```
```

2. **Collect Static Files**:

```
```sh
python manage.py collectstatic
```
```

3. ****Create a `web.config` file**** in `C:\inetpub\wwwroot\ehrn timer` with the following content:

```
```xml
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
 <system.webServer>
 <handlers>
 <add name="httpPlatformHandler" path="*" verb="*" modules="httpPlatformHandler"
resourceType="Unspecified"/>
 </handlers>
 <httpPlatform processPath="C:\inetpub\wwwroot\ehrn timer\myenv\Scripts\python.exe"
 arguments="C:\inetpub\wwwroot\ehrn timer\ehrn timer\wsgi.py"
 stdoutLogEnabled="true"
 stdoutLogFile=".\logs\stdout.log"
 startupTimeLimit="120"
 startupRetryCount="3">
 </httpPlatform>
 </system.webServer>
</configuration>
```
```

Step 6: Configure Network for External Access

1. ****Access your router's configuration page****:
 - Open a web browser and enter your router's IP address (commonly `192.168.1.1` or `192.168.0.1`).
2. ****Set up Port Forwarding****:
 - Find the Port Forwarding section in your router settings.
 - Add a new rule to forward external HTTP (port 80) traffic to the internal IP address of your Windows 10 machine (on port 80).
3. ****Allow IIS through the Windows Firewall****:
 - Go to ****Control Panel**** > ****System and Security**** > ****Windows Defender Firewall**** > ****Advanced settings****.
 - Create a new inbound rule to allow traffic on port 80.

Step 7: Start the Application and Verify Deployment

1. ****Restart IIS****:
 - In IIS Manager, select your server node.
 - In the right-hand actions pane, click ****Restart****.
2. ****Verify the Deployment****:
 - Open a browser and navigate to your server's IP address or domain name.
 - Ensure your Django application loads correctly.
3. ****Allow Other Users to Connect****:

- Ensure your colleagues can access the site by visiting the external IP address of your network or your domain name from their devices.

Troubleshooting

- ****Check IIS Logs****:
 - Logs are usually located in `C:\inetpub\logs\LogFiles`.
- ****Check Django Logs****:
 - The logs configured in `web.config` will be found in the `logs` directory specified.
- ****Check Network Configuration****:
 - Ensure the router's port forwarding rules and firewall settings are correctly configured.

This comprehensive guide should help you deploy your Django application named `ehrnw` on IIS using the HttpPlatformHandler on Windows 10 and make it accessible to other users in an office environment. If you encounter specific issues, consult the Django, IIS, and router documentation for more detailed troubleshooting steps.