

# Deployment of the Phoenix Proxy Server

System requirements:

- Should have java runtime installed (Java 7 or Java 8)
- Should have python installed (required for web interface only)
- Install Django framework (required for web interface only)

Downloading required softwares:

- Download Phoenix proxy server from <https://github.com/aj-jaswanth/phoenix-proxy-server/build>
- Download sample proxy configuration directory from [https://github.com/aj-jaswanth/phoenix-proxy-server/proxy\\_directory\\_sample](https://github.com/aj-jaswanth/phoenix-proxy-server/proxy_directory_sample)
- Download web interface's code from [https://github.com/hariuser/phoenix\\_web](https://github.com/hariuser/phoenix_web)

Starting the server without web interface:

- Change configuration in the downloaded sample proxy configuration directory according to your needs
- Start the server by typing the command `java -jar Phoenix_Server.jar configuration_directory_path`
- Now, the server starts and listens on the configured port
- Set the proxy server's address and port in the proxy settings of your browser

Starting the server with web interface:

- Edit `web_interface_directory/phoenix/settings.py` file. Change `CONFIG_DIR` variable to proxy server's configuration directory.
- Change to web interface's files directory. Type the command `python manage.py runserver`
- Now access your web interface on `localhost:8000`.

- Click on generate startup files link in the web interface. This will refresh all configuration files in the proxy server's configuration directory.
- Now, you can change any proxy setting using the web interface. These changes will immediately appear in the proxy server.

Using the Phoenix client:

- Start the client by typing the command `java -jar Phoenix_Client.jar`
- Fill server and client settings in the GUI.
- Set localhost as proxy address and the configured port in your browser's proxy settings.