**How to deploy APPs**

Here's a step-by-step process to deploy your churn prediction model with FastAPI and Streamlit:

1. Prepare your project:

- Ensure your model, FastAPI app, and Streamlit app are in separate files.

- Create a requirements.txt file listing all dependencies.

2. Choose a hosting platform:

- Popular options include Heroku, AWS, Google Cloud Platform, or DigitalOcean.

- For this guide, let's use Heroku as an example.

3. Set up version control:

- Initialize a Git repository if you haven't already.

- Commit all your files to the repository.

4. Create a Procfile:

Here is how to do it:

* Create the file as Procfile.txt
* Open a command prompt in your project directory
* Rename the file using the command: ‘ren Procfile.txt Procfile’ in the terminal

- This Procfile tells Heroku how to run your app.

- For FastAPI: `web: uvicorn main:app --host=0.0.0.0 --port=${PORT:-5000}`

- For Streamlit: `web: streamlit run app.py`

After creating the Procfile, make sure to commit it and push to Heroku as follows:

git add Procfile

git commit -m "Add Procfile for Heroku deployment"

git push heroku master

5. Create a runtime.txt file:

- Specify the Python version: `python-3.9.7` (or your preferred version)

6. Sign up for a Heroku account and install the Heroku CLI.

7. Deploy the FastAPI app:

- Login to Heroku: `heroku login`

- Create a new Heroku app: `heroku create your-fastapi-app-name`

- Push your code: `git push heroku main`

- Ensure at least one instance is running: `heroku ps:scale web=1`

8. Deploy the Streamlit app:

- Create another Heroku app: `heroku create your-streamlit-app-name`

- Push your code: `git push heroku main`

- Scale the app: `heroku ps:scale web=1`

9. Configure environment variables:

- Set any necessary environment variables in Heroku's dashboard or using the CLI.

10. Test your deployment:

- Visit the provided URLs to ensure both apps are working correctly.

11. Set up continuous deployment (optional):

- Connect your GitHub repository to Heroku for automatic deploys.

12. Monitor and maintain:

- Use Heroku's logging and monitoring tools to keep track of your apps' performance.

This process outlines the basic steps for deployment. Depending on your specific needs and the complexity of your project, you might need to make adjustments.

Would you like me to elaborate on any specific part of this process?