

START HERE - Complete Deployment Guide

This is your **complete roadmap** for deploying the Heart Disease Prediction MLOps project. Follow the steps below :

What Do You Want To Do?

Option 1:  Run Locally

Perfect for: Testing, development, understanding the project

 **Follow:** [LOCAL_DEPLOYMENT_GUIDE.md](#) API will be running on <http://localhost:8000>

Option 2:  Deploy to Cloud

 **Follow:** [CLOUD_DEPLOYMENT_GUIDE.md](#)

Option 3:  Test the API?

 **Follow:** [ACCESS_INSTRUCTIONS.md](#)

Complete Step-by-Step Path

Follow these guides **in order** for the complete MLOps workflow:

1. LOCAL_DEPLOYMENT_GUIDE.md ← Start here (Run locally first)
↓
2. CLOUD_DEPLOYMENT_GUIDE.md ← Deploy to cloud (Get public URL)
↓
3. ACCESS_INSTRUCTIONS.md ← Test everything (Verify it works)
↓
4. EXECUTION_GUIDE.md ← Reference guide (Additional details)

Summary of Available Guides

Guide	Purpose
LOCAL_DEPLOYMENT_GUIDE.md	Run on your computer
CLOUD_DEPLOYMENT_GUIDE.md	Deploy to internet
ACCESS_INSTRUCTIONS.md	Test the API
EXECUTION_GUIDE.md	Additional reference

🚀 Quick Start Commands

For Local Deployment:

```
cd heart-disease-mlops
python3 -m venv venv
source venv/bin/activate
pip install -r requirements.txt
python src/download_data.py
python src/train.py
uvicorn src.app:app --reload
```

For Cloud Deployment (Azure):

```
az login
az group create --name heart-disease-rg --location eastus
az acr create --name heartdiseaseacr --resource-group heart-disease-rg --
sku Basic
az acr build --registry heartdiseaseacr --image heart-disease-api:v1 .
# ... (see CLOUD_DEPLOYMENT_GUIDE.md for complete steps)
```