Foundry IQ + Fabric IQ Workshop

Deployment Guide

Prerequisites

- Azure subscription with Contributor access
- Microsoft Fabric workspace (F2+ capacity) with admin permissions
- VS Code, Azure Developer CLI (aka.ms/azd), Python 3.10+, Git

Deployment Steps

1. Clone Repository

```
git clone https://github.com/nchandhi/nc-iq-workshop.git && cd nc-iq-workshop
```

2. Login to Azure

```
azd auth login
```

3. Deploy Azure Resources (~7 min)

```
azd up
```

Environment: iq-workshop-yourname | Location: eastus2 or westus2

4. Configure Fabric

Go to app.fabric.microsoft.com > Open workspace > Copy Workspace ID from URL

5. Configure Environment

```
cp .env.example .env
```

Edit .env: Set FABRIC_WORKSPACE_ID and DATA_FOLDER=data/default

6. Setup Python

```
cd scripts && python -m venv .venv && .venv\Scripts\activate && pip install uv && uv pip install -r
requirements.txt
```

7. Build Solution (~5 min)

```
python scripts/00_build_solution.py --from 02
```

8. Test the Agent

```
python scripts/08_test_foundry_agent.py
```

Sample Questions to Try

Structured: "How many outages last month?" | "Average resolution time?"
Unstructured: "What are the policies for notifying customers?"
Combined: "Which outages exceeded our policy thresholds?"

Customize for Your Use Case

After testing the default scenario, build your own:

1. Run with your industry

```
python scripts/00_build_solution.py --clean --industry "Insurance" --usecase "Claims processing"
```

2. Or set in .env

```
INDUSTRY=Insurance
USECASE=Claims processing and policy management
```

Then run: python scripts/00_build_solution.py --clean

Sample industries: Healthcare, Insurance, Finance, Retail, Manufacturing, Education

Resources

Workshop: nchandhi.github.io/nc-iq-workshop | Repo: github.com/nchandhi/nc-iq-workshop