Build faster with Solution Accelerators | Foundry IQ + Fabric IQ

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

Quick Start

1. Clone the repository
```
git clone https://github.com/microsoft/agentic-applications-for-unified-data-foundation-solution-accelerator.git
cd agentic-applications-for-unified-data-foundation-solution-accelerator
```

2. (Optional) Enable Azure-only mode
```
azd env set AZURE_ENV_ONLY true
```
Skip this if you have Microsoft Fabric access. Uses Azure SQL instead of Fabric SQL.

3. Deploy Azure resources (~7 min)
```
azd auth login
azd up
```
Choose environment name and region (eastus2 or westus2 recommended). If needed: azd auth login --tenant-id <tenant-id>

4. Configure Fabric workspace
```
cp .env.example .env
```
Edit .env: Set FABRIC_WORKSPACE_ID from app.fabric.microsoft.com URL (skip if using Azure-only mode)

5. Setup Python environment
```
python -m venv .venv
.venv\Scripts\activate   # or: source .venv/bin/activate
pip install uv && uv pip install -r scripts/requirements.txt
```

6. Build the solution (~5 min)
```
python scripts/00_build_solution.py --from 02
```
Azure-only mode? Use: python scripts/00_build_solution.py --from 04

7. Test the agent
```
python scripts/08_test_agent.py
```

8. Deploy and launch the application
```
azd env set AZURE_ENV_DEPLOY_APP true
azd up
```
After deployment completes, open the app URL shown in the output

9. (Azure-only mode) Update agent configuration
```
python scripts/00_build_solution.py --from 05
```
Only run this if you set AZURE_ENV_ONLY=true. Skip this step if using Fabric mode.

Try These Questions
Structured: "How many outages occurred last month?" | "What is the average resolution time?"
Unstructured: "What are the policies for notifying customers of outages?"
Combined: "Which outages exceeded the maximum duration defined in our policy?"

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

Industries: Telecommunications | Insurance | Finance | Retail | Manufacturing | Energy

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Tip: Use GitHub Copilot Chat (Ctrl+I) for help with errors
Repository: github.com/microsoft/agentic-applications-for-unified-data-foundation-solution-accelerator