

Endpoint Configuration

MLflow Endpoint URL



https://localhost:64144/invocations

Knowledge Base Source

Enter your Azure DevOps details to sync the wiki.

ADO Organization

hpswapps

ADO Project

Phoenix-DS%20Platform

ADO Wiki Name

Phoenix-DS-Platform.wiki

ADO PAT



ADO Wiki AI Assistant



What are the AI Blueprints Repository best practices?



The AI Blueprints Repository best practices include:

1. Ensuring Reproducibility:

- Projects should be reproducible with minimal effort by following their [README.md](#).
- Every new pull request for blueprint projects must include:
 - A fully and sequentially executed Jupyter notebook with all cell outputs.
 - Updated PDF files showing successful API interactions via the Swagger, HTML, and Streamlit user interfaces.

2. Concise and Insightful Comments:

- Provide meaningful comments to improve readability and guide users.

3. Informative Markdown Cells:

- Use well-written markdown cells to explain the purpose and content of each section.

4. Constants Management:

- Avoid hardcoded values. Define constants for experiment names, paths, and configurations at the top.

5. Cross-Platform File Paths:

- Use the `pathlib` library for defining file paths to ensure OS compatibility.

6. Two Main Notebooks per Project:

- Each blueprint project will include two standardized main notebooks:
 - `run-workflow.ipynb` : Executes the pipeline using custom inputs and configurations.
 - `register-model.ipynb` : Registers trained models to MLflow, generates API logic, and tests the registration.
- This separation provides clear organization of different stages of the ML lifecycle, reduced execution overhead for users, and enhanced user experience by simplifying experimentation and deployment processes.

7. Other Notebooks for the Project:

- Additional notebooks may be included for other purposes as needed.

8. Blueprints Storage:

- Blueprints.json is stored in a private S3 bucket.
- The blueprints control files live in the prometheus-blueprints repo.

9. QA Process:

- Blueprints should go through the QA process.
- Blueprints should be hot-updatable, meaning they should be updated to the latest version available when queried from the API.

10. Blueprints Package:

- A blueprint package should correspond to a specific app-backend version.

11. HP AI Studio Signature:

- All README and notebook files must include the HP AI Studio signature at the end.

These practices ensure an organized and consistent repository structure, high-quality, readable, and maintainable code, secure and scalable configuration management, reliable dependency handling, effective ML/AI project development workflows, and ease of reproducibility for users and contributors.

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