IIP-Ecosphere

Next Level Ecosphere for
Intelligent Industrial Production

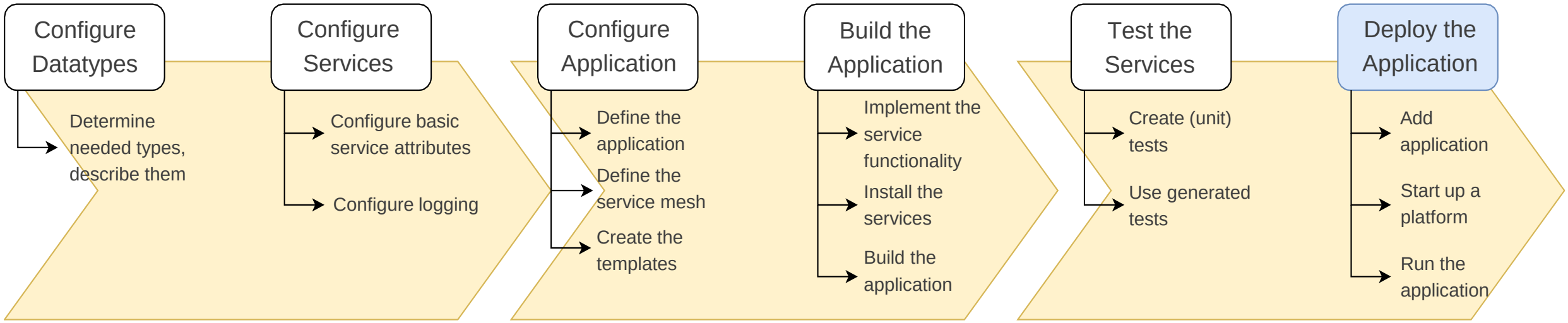
Service Integration: How Deploy an Application

Gefördert durch:

Bundesministerium
für Wirtschaft
und Klimaschutz

IIP-Ecosphere Platform

Deploy the Application



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- **Prerequisites**
- Building an Application

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Prerequisites

- Required:
  - Installed the platform and its dependencies or the development container
  - Installed the IDE for IIP-Ecosphere Platform (provided Eclipse Version)
  - How to configure datatypes
  - How to configure services
  - How to configure an application
  - How to build an application
  - How to test an application
- Optional:
  - None

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- Prerequisites
- **Starting the platform**

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Deploy the application on a local platform

- We assume a build platform
- In *“tools/Install/gen/broker”* start the broker.bat
- In *“tools/Install/gen”* start in order (always wait till the process says its running)
  - platform.bat
  - ecs.bat
  - serviceMgr.bat
- cli.bat
  - Run *“resources list”*
  - Back out of resources with *“..”* Run *“services <resourceID>*
  - Run *“add file:///<pathToBuild-bin.jar>”* (including the “-bin.jar” itself)
  - Run *“listArtifacts”*
  - Run *“startAll <artifactID>”*

Already running in the development container

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Observe the application on a local platform

- On the startup each service will list where its log files will be located
  - They are in *“/tmp/<numbers>/”*
    - Each directory contains a *sdtout_0.log* and a *stderr_0.log*
    - Java will only show exceptions in the *stderr* and outputs in *stdout*
    - Python will show outputs as well as errors in the stderr

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Summary

- What we learned
  - How to start a platform locally
  - How to deploy our application on it
- How to go on
  - You are done
  - Optional: How to create an application with Python services

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