

Creating Applications

In this section, we'll create new applications with the framework by configuring pipelines and core components.



Creating new applications with the framework.

On this page:

- [Create applications with the Quick Start Tutorial](#)
- [Configure applications](#)
- [Quick Start with Maven Distribution Archetype](#)

Related:

- [Application and configuration](#)
- [Component library](#)

Introducing Aspire Applications

An introduction to Aspire applications, including the Pipeline Manager, the concept of job hierarchy, Feeders, Scanners, and the Scheduler, pipeline stages, and Services components

- [Quick Start Tutorial for Creating Applications](#) - Aspire in 20 minutes or less

This basic tutorial gets you started with Aspire in 20 minutes or less

Application Configuration (application.xml)

Detailed information on the application.xml file and the Aspire components (and their configurations) specified within

- [Pipeline Manager](#)

Detailed information on the Pipeline Manager, including key concepts, configuration information, and instructions for using the Pipeline Manager to perform health checks on Aspire

- [Branch Handler](#)

Detailed information on the Branch Handler, including branching, configuration information, how to branch a current job, job batching, and remote branching

- [Batch Job](#)

A description of a batch job and how to configure it Naming Components Information on naming conventions for Aspire components, plus the methods for referencing them and the implications of each method

- [Naming Components](#)

Information on naming conventions for Aspire components, plus the methods for referencing them and the implications of each method

Use the Maven Distribution Archetype

Detailed information on the Maven Distribution Archetype and its use in Aspire, including prerequisites and steps for running the Aspire Distribution Archetype and the distribution project, modifying the distribution, and creating new distribution profiles

- [Aspire Quick Start with Distribution Archetype](#) - Aspire in 40 minutes

Build an Aspire distribution from scratch using the Aspire Maven Distribution archetype

Application and Configuration

The following are in-depth topics for anyone developing applications with Aspire.

- [Directory Structure](#)
- [Logging](#)
- [Metadata Mapper](#)
- [Simple Templates](#) - A simple templating method used by some components.
- [Configure Health Checks](#)
- [Application FAQ & Troubleshooting](#)
- [AppBundles](#) - What are AppBundles?
- [Build and Deploy AppBundles](#)
- [Example AppBundle Files](#)

Component Library

A list of all pre-built Java components that can be configured and combined to create new Aspire applications

These include [Feeders & Scanners](#), [Sub Job Extractors](#), Standard Pipeline Stages , [Security Related Stages](#), [Components as Independent Services](#), and [Debugging Stages](#).