

Certified Backstage Associate (CBA) Exam Curriculum

A Cloud Native Computing Foundation (CNCF) Publication

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Backstage



CLOUD NATIVE
COMPUTING FOUNDATION

This document provides the curriculum outline of the Knowledge, Skills and Abilities that a Certified Backstage Associate (CBA) can be expected to demonstrate.

CBA Curriculum

24% - Backstage Development Workflow

- Build and run Backstage projects locally
- Understand local development workflows
- Compile a Backstage project with TypeScript
- Download and install dependencies for a Backstage project with NPM/Yarn
- Use Docker to build a container image of a Backstage project

22% Backstage Catalog

- Understand how/why to use Backstage Catalog
- Populate Backstage Catalog
- Using annotations
- Working with manually registered entity locations
- Troubleshooting entity ingestion
- Working with automated ingestion

22% Backstage Infrastructure

- Understand the Backstage framework
- Configure Backstage
- Deploy Backstage to production
- Understand Backstage client-server architecture

32% - Customizing Backstage

- Understand frontend versus backend plugins
- Customizing Backstage plugins
- Make changes to React code in Backstage App
- Using Material UI components



Cloud native computing uses an open source software stack to deploy applications as microservices, packaging each part into its own container, and dynamically orchestrating those containers to optimize resource utilization. The Cloud Native Computing Foundation (CNCF) hosts critical components of those software stacks including Kubernetes, Fluentd, Linkerd, Prometheus, OpenTracing and gRPC; brings together the industry's top developers, end users, and vendors; and serves as a neutral home for collaboration. CNCF is part of The Linux Foundation, a nonprofit organization. For more information about CNCF, please visit: <https://cncf.io/>.