Instructor-led Training Courses

EngineerBetter are experienced in developing and delivering developer training to both startups and large enterprise customers, across a range of industries. As well as developing our own training in-house, we were also entrusted to develop the official Cloud Foundry Certified Developer instructor-led course for the Cloud Foundry Foundation.

The aim of our training courses is to establish a robust and accurate mental model of the technologies, by experiencing how to use them through practical exercises. Students are not given step-by-step instructions; instead the exercises lead them to discover solutions through use of the tools and documentation so they can apply their knowledge in real-world scenarios.

We currently offer the following courses:

- Concourse Training
- BOSH - Operating the Foundry
- Zero To Hero: Cloud Foundry Beginners' Course
- Cloud Foundry Certified Developer

Descriptions and pricing for all courses is included below. We are happy to discuss pricing for block-bookings of multiple dates. Please don't hesitate to get in touch if you have any further questions.

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Concourse Training

The course is delivered on-site throughout one whole day, with a heavy focus on practical exercises to ensure that trainees leave the session able to use Concourse immediately. We provide instructors to walk the floor during these practical exercises, giving trainees the opportunity to ask questions and leverage EngineerBetter's experience of running Concourse in production. The syllabus includes:

- *Getting started* - how to set up a local Concourse instance
- The conceptual model of *pipelines, resources and jobs*
- Interacting with Concourse via the *CLI* and web GUI
- Concourse *architecture* and deployment options
- *Creating pipelines*, from the simple to complex with fan-in, fan-out semantics
- How to *debug builds* when there's a problem
- Exploiting Concourse's unique features to *improve developer workflow*
- *Securely parameterising* your pipelines

Duration: 1 day
Price per student: £650
Class size: Minimum 10, Maximum 20

Training Assumptions

It is assumed that the students have:
- Little-to-no prior Concourse knowledge
- Experience using a command line and SSH

BOSH Training - Operating the Foundry

This introductory course focuses on using BOSH to operate Cloud Foundry.

The syllabus includes:

- Deploying BOSH Lite v2 with AWS
- Deploying Cloud Foundry with BOSH
- BOSH Clusters & Availability
- CF Basics
- CF Monitoring
- Scaling CF with BOSH
- CF Data Services & Marketplace
- Upgrading with BOSH

Duration: 1 day
Price per student: £650
Class size: Minimum 10, Maximum 20

Training Assumptions

It is assumed that the students have:
- Little-to-no prior BOSH or Concourse knowledge
- Experience using a command line and SSH

Zero To Hero: Cloud Foundry Beginners Course

By the end of this course students should be able to use all core Cloud Foundry Application Runtime features as a developer. The syllabus includes:

- Using the CLI and pushing apps
- Using Buildpacks,
- Using Services,
- 12 Factor Application design,
- Debugging applications,
- Zero-downtime deploys.

Duration: 1 day
Price per student: £650
Class size: Minimum 10, Maximum 20

Student Prerequisites: Little to no CF experience; experience of writing/deploying web applications; comfortable using the command line.

Technical Prerequisites: 64 bit Linux, macOS or Windows; 1GiB RAM; public web access; Git client installed and ready to use; text editor of choice.

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Cloud Foundry Certified Developer Training

This is the premium Cloud Foundry training experience and was developed by our team alongside the Certified Developer program. The course aims to leave students completely self sufficient in using Cloud Foundry by the end of the 4 days.

Duration: 4 days
Price per student: £2,600
Class size: Minimum 10, Maximum 20

This course provides exposure to all topics in the Cloud Foundry Certified Developer curriculum, including all main capabilities of the platform, use cases and usage patterns, and 'under the hood' implementation details.

The topics covered directly align with the knowledge domains tested by Cloud Foundry Certified Developer exam and will prepare students for the certification exam. The syllabus is available on request.

Student Prerequisites: Experience of the whole application development lifecycle; self-motivated and able to reason about problems; comfortable using the command line; comfortable modifying Spring/Java applications.

Technical Prerequisites: 64 bit Linux, macOS or Windows; 1GiB RAM; public web access; Git client installed and ready to use; text editor of choice.