

Cloudant Training Bootcamp

*CLOUDANT TECHNICAL TRAINING BOOTCAMP FOR
CLOUDANT NEW HIRES AND IBM'ERS WHO WILL
BE CLOUDANT SPECIALISTS*

Cloudant Training Bootcamp

Attending the Cloudant Training Bootcamp will equip you with all the information and skills you will need to sell and deliver Cloudant projects to your prospects and customers.

Our current schedule is tentatively set as follows with more bootcamp sessions scheduled on demand.

- June 9-12, 2014 – Cloudant HQ – 200 State St. 12th Floor Boston, MA
- Q3 2014 - Cloudant HQ – 200 State St. 12th Floor Boston, MA (dates TBD)
- Future sessions as needed

Bootcamp Overview

This three-to-four day session will provide both an introduction to Cloudant and cover all the fundamentals to using the data layer to build scalable, available, and speedy applications. We'll review the database and NoSQL landscape as well as specific features, use cases, and customer examples of Cloudant. We'll dive into the Cloudant Dashboard, API, indexes, and queries, and leverage hands-on tutorials to ensure you leave the session knowledgeable on how to use Cloudant and sell and deliver it to your customers. There were be several sessions to allow you hands-on development to ensure you grasp the concepts in the training material. In addition, we'll cover recommended reading, documentation, and how to engage with support to ensure you are successful moving forward.

Who will benefit?

- Cloudant New Hires (Field Engineers, Customer Support Engineers, Operations, and Dev Advocates)
- IBM'ers who will be providing technical sales and delivery assistance on Cloudant projects (CTP, CTS, Trainers, etc.)

What topics are included?

- Database & NoSQL Overview
- Cloudant Features & Architecture
- Customer Use Cases & Examples
- Cloudant Accounts, Sign Up, and Getting Started
- Document Store Schema and Databases
- Using Cloudant: Dashboard & API
- Replication, Indexes, Queries, Security, and Libraries
- Usage Tips, Data Design, Data Migration, and Best Practices
- Development Tutorials
- Getting Help: Documentation & Support

Attendee Skillset Requirements

Comfortable with HTTP, databases, Linux, cURL, and a decent knowledge of a programming language (tutorials will be in Python and JavaScript). *If you have never worked on a Linux environment or haven't written a line of code, then this training probably isn't for you.*

Technical Requirements

Trainees are requested to have their own laptop with local administrator rights that is able to connect to the Internet in order to conduct lab exercises that connect to remote servers. Access to a Linux environment on the laptop is also required, leveraging Terminal on Mac or Linux VM on Windows. Python and Node.js should be installed and working. You can get by using curl on Windows command prompt or Cygwin as well.

Duration: 3-4 days

Agenda

Date	Time	Topic	Requirements
Monday	10:30 - 10:45	Cloudant Introductions - Who's Who	
	10:45 - 11:15	Database Landscape/Intro to NoSQL	
	11:15 - 12:00	Cloudant Overview	
	12:00 - 1:00	Lunch	
	1:00 - 1:15	Accounts and Sign Up	browser
	1:15 - 1:30	Document Database Basics	
	1:30 - 2:00	Dashboard for Users	browser
	2:00 - 2:30	HTTP API - Basics and CRUD	browser plugin, curl
	2:30 - 2:45	Break	
	2:45 - 3:15	Replication	browser
	3:15 - 4:30	Indexes and Queries	browser plugin, curl
	4:30 - 4:45	Libraries and Drivers	
	4:45 - 5:00	Security Auth	browser plugin, curl
	5:00 - 5:15	Getting Help - Support & Documentation	
Tuesday	9:00 - 10:30	Python Exercises (requests/Cloudant-Python, CRUD from haengemattte, csv loader, and flaskr)	browser, python, github
	10:30 - 10:45	Break	
	10:45 - 11:15	Cloudant Architecture - Infrastructure, HA, DR, and Backup	
	11:15 - 11:45	Cloudant Cluster & Quorum Parameters	
	11:45 - 12:00	MVCC & Conflicts	
	12:00 - 1:00	Lunch	
	1:00 - 1:15	Changes Feed	
	1:15 - 1:30	Data Migration	
	1:30 - 2:00	Administrative Topics	
	2:00 - 2:15	Break	
	2:15 - 4:15	Javascript Exercises (nano/sag, CRUD from haengematte, csv loader from mango-IS, couchapps, CANE Stack)	Browser, javascript, node.js
	4:15 - 5:15	Cloudant Sync Overview	
Wednesday	9:00 - 10:00	Best Practices: Usage Tips & Data Design	
	10:00 - 10:15	Break	
	10:15 - 12:00	Data Design Examples (Blog Posts, iTunes Library, Time Series/Device Data, Mobile Sync)	browser plugin, curl

	12:00 - 1:00	Lunch	
	1:00 - 1:45	Customer Use Cases & Examples	
	1:45 - 2:45	Product Roadmap (Recently Delivered, Near-Term/Long-Term, Open Source CouchDB)	
	2:45 - 3:00	Break	
	3:00 - 3:45	Pricing, Sales Strategies & Brainstorming	
	3:45 - 4:30	Competition	
	4:30 - 5:00	Cloudant in IBM IM Landscape	
4th Day is for Cloudant Support/Operations/FE Only			
Thursday	9:00 - 10:30	Cloudant Support (Tools and Typical Issues)	browser plugin, curl
	10:30 - 12:00	Cloudant Operations (Monitoring, Tasks, & Tools)	browser plugin, curl