Updated on 14/09/2023

Sign up

CouchDB training

2 days (14 hours)

Presentation

Apache CouchDB is an open source database that focuses on ease of use. It has a document-oriented NoSQL database architecture and is implemented in the competition-oriented Erlang language. It is one of the most effective tools for serving web applications on different devices, and its comprehensive features make it easy for beginners to create web applications and solutions.

Like all our training courses, this one will introduce you to the latest stable release (CouchDB 3.1 at the time of writing).

Objectives

- Understanding NoSQL and CouchDB
- Developing with CouchDB through application examples
- Deploying CouchDB

Target audience

Database Managers, Developers, Project Managers

Prerequisites

Knowledge of databases.

CouchDB training program

Introduction

- Why CouchDB?
- Final coherence
- First steps
- API fundamentals

Developing with CouchDB

- Design Documents
- Find your data using views
- Validation functions
- Display functions
- Transforming Views with List Functions

Application examples

- Stand-alone applications
- Design document management
- Document storage
- Display documents in special formats
- List items

Deploying CouchDB

- Sizing principles
- Replication
- Conflict management
- Load balancing
- Server clustering

References

- Update notification
- Correspondences between SQL and CouchDB views
- Security
- High performance
- Recipes

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical training: 60% Practical, 40% Theory. Training material distributed in

to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.