

# Apache CloudbDB

By Dr. Vishwanath Rao

## Installing CouchDB

- Introduction: CouchDB at a glance
- Installation: Get up and running fast
- Technical Overview: Details of the CouchDB technology
- Basics: Getting started with CouchDB

## Configuring CouchDB

- Base Configuration
- couch\_peruser
- CouchDB HTTP Server
- Authentication and Authorization
- Compaction Configuration
- Logging
- Replicator
- Query Servers
- External Processes
- HTTP Resource Handlers
- CouchDB Internal Services
- Miscellaneous Parameters
- Proxying Configuration

## CouchApp

### Design Functions

- View Functions
- Show Functions
- List Functions
- Update Functions
- Filter Functions
- Validate document update functions

### Guide to Views

- Introduction Into The Views
- Views Collation

- Joins With Views
- View Cookbook for SQL Jockeys
- Pagination Recipe

## CouchDB External APIs

### Query Server

#### Query Server Protocol

- reset
- add\_lib
- map\_doc
- reduce
- rereduce
- ddoc
- Raising errors
- Logging

#### JavaScript

- Design functions context
- CommonJS Modules

## Fauxton

#### Installation

- Get the source
- Fauxton Setup
- Dev Server
- Deploy Fauxton

#### Writing Addons

- Generating an Addon
- Routes and hooks

## Cluster

- Setup
- Theory
- Node Management
- Database Management
- Sharding

## JSON Structure

- All Database Documents
- Bulk Documents

## Troubleshooting

- Breaking Changes
- Error Messages
- Known Problem
- Official CouchDB bug tracker