

# Introduction

- Data Architectures
- NoSQL
- Cassandra features
- Replication factor
- How data is distributed
- Installation

## Communication with Cassandra

- Using Cqlsh

## Create database

- Create database
- Create table
- Modelling data
  - Partition key
  - Secondary index
  - Composite key
- Best practises

## RUD operations

- Read
- Update
- Insert

## Architecture

- Hardware choices
- Nodes
- Adding nodes
- Removing nodes
- Monitoring
- Repair nodes
- Using multiple data center