Why?

Provide a set of simple primitives that can be used to implement distributed processes

Provide mechanisms for providing distributed coordination services

Manages tasks across a series of servers in a cluster

How?

Stores data across a series of servers

Data model

Data model is based on a tree structure, similar to a file-system

ZNodes are the key entity with which programmers interact

Ea5a

Requirements

Simple

Highly available

Support large high-volume processing

Use cases

Task synchronization

Group Membership

Ownership

What is it?

Helps to coordinate processing across distributed processes.

A synchronization service for distributed processes.

A set of primitives intended to be built upon for implementing more complex services

Toolset to help developers write distributed applications

What is it not?

A large datastore to hold large data values

How is is meant by a znode changing?

TODO

How is zookeeper used?

Clients connect to a single znode and make requests.

Modes?

Standalone - a Single znode. If the znode goes down, zookeeper is down.

Replicated - a group of znodes

What data does zookeeper store

TODO

Inmemory vs persistent storage

TODO

Does zookeeper allow relative paths?

No. All nodes must be accessed using absolute path