Rook by CNCF

Rook is the 15th inception level project by cloud native computing foundation(CNCF).it turns the cloud storage system into self managing ,self scaling and self deploying system services.it is an open source orchastator which provides platform ,framework and management for storage solution for cloud native container applications.

It works based on ceph on kubernetes.it is the first system that works on kubernetes cluster based on ceph,a data store and file system which provides continuous data protection .which integrates with the kubernetes API

It is the project which started on September 17.rook automates the tasks of the system administrator such as deployment ,configuration ,management ,scaling ,analysis etc.

Organization cncf

Open/proprietary open source

Source path https//:github.com/rook/rook

Features

1.simple and reliable storage

2.highly scalable and highly convergeble

Provided file,block, and record storage

It has apache license 2.0

Archetecture

Rook operator

Rook agent

Rook discover