

SPEAKER INTRO

Senthil Raja Chermapandian

Principal Software Engineer, Ericsson

Architecting Cloud-native AI/ML Platforms

Organizer: KCD Chennai 2022

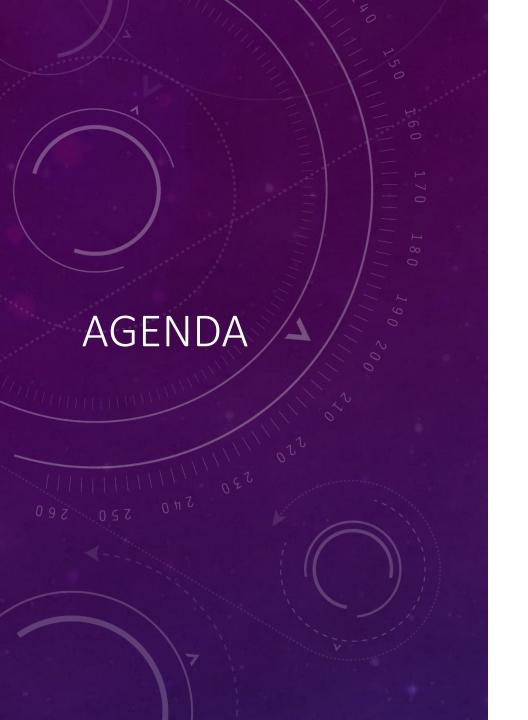
Maintainer: github.com/senthilrch/kube-fledged

Tech Blogger: <u>medium.com/@senthilrch</u>

Twitter: @senthilrch

MoneyHeist Fan (S5P2 on 03-Dec; don't miss!)







Cloud-Native Applications

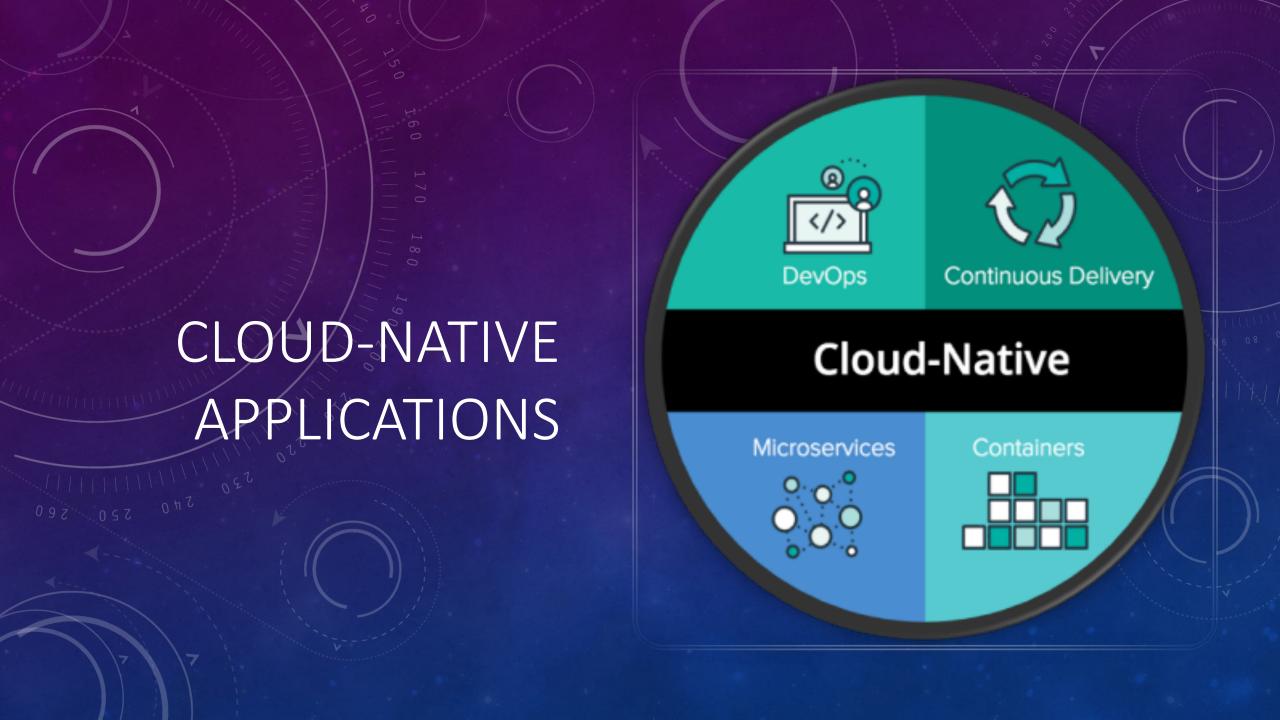


Encryption at different layers

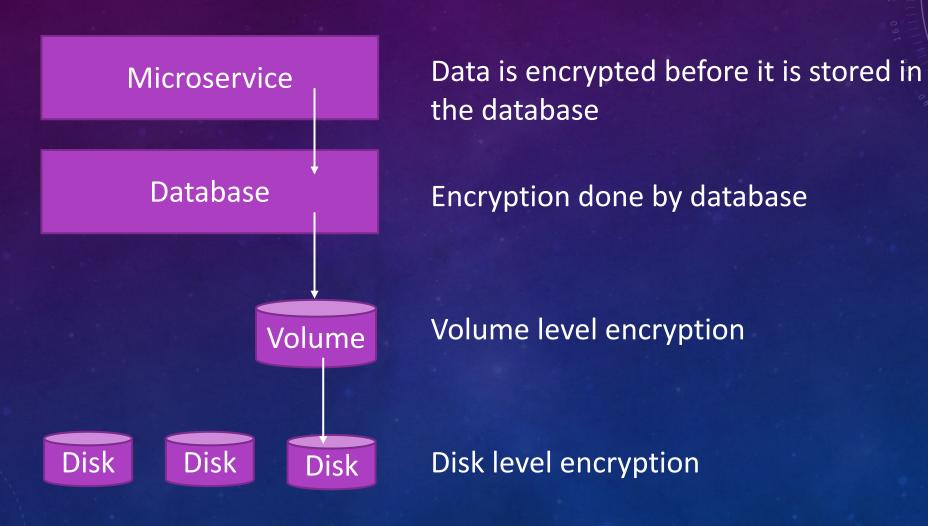


Patterns for encrypting data at rest





ENCRYPTION AT DIFFERENT LAYERS





ENCRYPTION BY MICROSERVICE



Sorting and searching of data



Expensive to redesign Applications



Less attack surface



Key Management

ENCRYPTION BY DATABASE

Privileged containers

Wrappers around dm-crypt

Limited OSS

Commercial Plugins

VOLUME LEVEL ENCRYPTION

01

Public cloud volume encryption

02

Many storage providers support

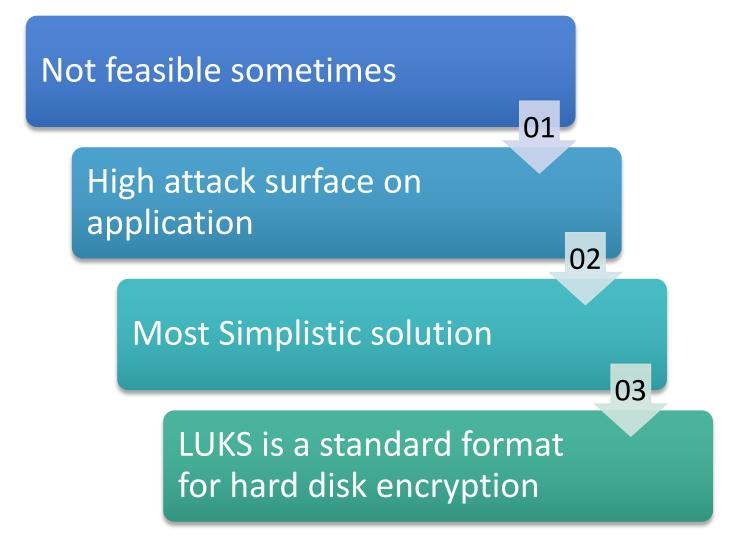
03

CSI plugins have limited support

04

OSS available

DISK LEVEL ENCRYPTION



THANK YOU TWITTER: @SENTHILRCH