



SHIELD

DATA PROTECTION



James Hunt
@iamjameshunt

SHIELD Architect
Stark & Wayne

how it works

backup



store

(postgres)
backup



store
(s3)

(postgres)
backup



store
(s3)



restore



retrieve

(postgres)
backup



store
(s3)



(postgres)
restore



retrieve
(s3)

backup

restore

store

retrieve

(postgres)
backup

restore

store

retrieve

backup

restore

store

retrieve
(s3)

the future...



Jhunt SHIELD v8 Initial Rebase

b5c40dc on Sep 18, 2017

1 contributor

198 lines (151 sloc) | 7.53 KB

Raw

Blame

History



SHIELD Roadmap

This document contains the current SHIELD Roadmap, a set of things we hope to accomplish, features we hope to implement, and code management / maintenance efforts we hope to undertake in 2017/18.

Roadmap items are listed in order of importance, roughly. If you would like to see ammendments to this Roadmap, please discuss them in the [#shield Slack channel](#)

Encryption of Archives

For security and peace of mind, operators would like to have their backup archives encrypted, prior to storage in the backend storage system. Key features:

v7

~~V7~~ V8

(silly pipelines)

v8

New in v8: Multi-Tenancy

New in v8: Encryption (at rest)

(postgres)
backup



store
(s3)

(postgres)
restore



retrieve
(s3)

(postgres)

backup

encrypt



store
(s3)

(postgres)

restore



retrieve
(s3)

(postgres)
backup
encrypt
↓
store
(s3)

(postgres)
restore
↑ decrypt
retrieve
(s3)

keys / IVs go in Vault
(of course)

New in v8: Web UI

(demo)

starkandwayne.com



shieldproject.io



SHIELD
DATA PROTECTION

beahero@starkandwayne.com