



CLOUD **FOUNDRY**  
SUMMIT

**RUNNING AT SCALE**

**APRIL 18-20, 2018 | BOSTON**

# Fire Exit Announcement

- Please note the locations of the surrounding emergency exits & locate the nearest lit EXIT sign to you
- In the event of a fire alarm or other emergency, please calmly exit to the public concourse area
- Emergency exit stairwells leading to the outside of this facility are located along the public concourse
- For your safety in an emergency, please follow the directions of the Public Safety Staff





# SHIELD

## DATA PROTECTION



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**SHIELD Architect**  
**Stark & Wayne**



# SHIELD

## DATA PROTECTION



**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

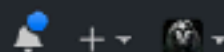
restore

store

retrieve  
(s3)



**the future...**

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Jhunt SHIELD v8 Initial Rebase

b5c40dc on Sep 18, 2017

1 contributor

198 lines (151 sloc) | 7.53 KB

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## 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**

~~VX~~ Vg

(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](http://starkandwayne.com)



[shieldproject.io](http://shieldproject.io)



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