SHIELD: Protecting CF, Services and Applications through Backups and Restores

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What is the PROBLEM?
"If you're database doesn't have a Disaster Recovery story it's a CACHE!" ~ Dr Nic @drnic
Why SHIELD?
Services!!!
Cloud Foundry Core
Any BOSH Deployment
Framework Architecture
Target Plugins

Core Daemon

Storage Plugins

User Interfaces (Web UI & CLI)
Manage Metadata
Jobs & Tasks
Scheduling & Retention
Monitoring
Data <-> SHIELD <-> Archives

- Target Plugins
- Storage Plugins
- Core Daemon
- User Interfaces (Web UI & CLI)
Target Plugins → Core Daemon → User Interfaces (Web UI & CLI) → Storage Plugins
### Running Tasks

No running tasks

### Completed Tasks

<table>
<thead>
<tr>
<th>Type</th>
<th>Owner</th>
<th>Status</th>
<th>Started at</th>
</tr>
</thead>
<tbody>
<tr>
<td>backup</td>
<td>system</td>
<td>done</td>
<td>Fri Apr 6th at 9:15am 56m ago</td>
</tr>
<tr>
<td>backup</td>
<td>system</td>
<td>done</td>
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<td>done</td>
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</tr>
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<tr>
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<td>done</td>
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</table>
INFO:
help
  Show the list of available commands
status
  Query the SHIELD backup server for its status and version info

TARGETS:
list targets
  List available backup targets
show target
  Print detailed information about a specific backup target
create target
  Create a new backup target
edit target
  Modify an existing backup target
delete target
  Delete a backup target

SCHEDULES:
list schedules
  List available backup schedules
show schedule
  Print detailed information about a specific backup schedule
create schedule
  Create a new backup schedule
edit schedule
  Modify an existing backup schedule
delete schedule
  Delete a backup schedule

POLICIES:
list retention policies
  List available retention policies
show retention policy
  Print detailed information about a specific retention policy
create retention policy
  Create a new retention policy
edit retention policy
  Modify an existing retention policy
delete retention policy
  Delete a retention policy

STORES:
list stores
  List available archive stores
show store
  Print detailed information about a specific archive store
create store
  Create a new archive store
edit store
  Modify an existing archive store
delete store
  Delete an archive store

JOBS:
list jobs
  List available backup jobs
show job
  Print detailed information about a specific backup job
create job
  Create a new backup job
edit job
  Modify an existing backup job
delete job
  Delete a backup job
pause job
  Pause a backup job
resume job
  Resume a backup job
Features
BOSH Release
Restore Deployments
Backup & Restore BOSH
Application Users
Writing Plugins
Authentication
Future
Encryption & Decryption
Incremental Backups
Extended Monitoring
Credentials Handling
Get Involved
Try it Out!

https://github.com/starkandwayne/shield
Let us Help!

beahero@starkandwayne.com
Any Questions?
The Core Team of SHIELD is Here!