



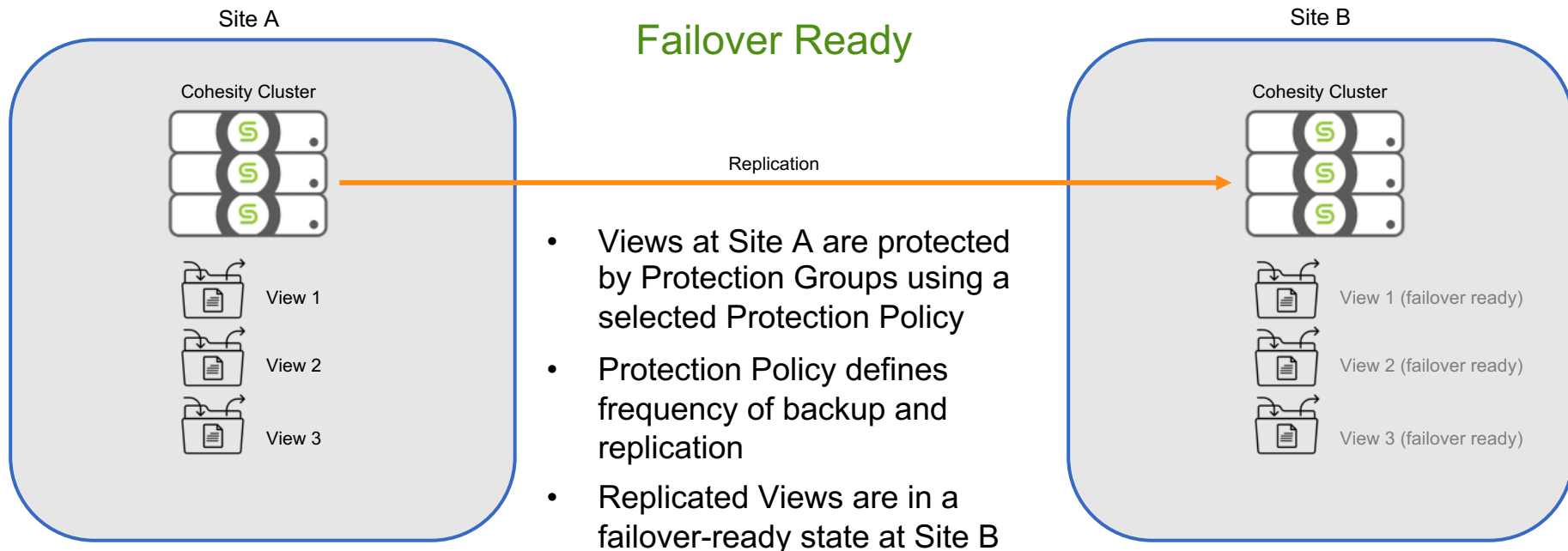
Automated Failover/Failback for Cohesity Views

For Cohesity Version 6.5.1

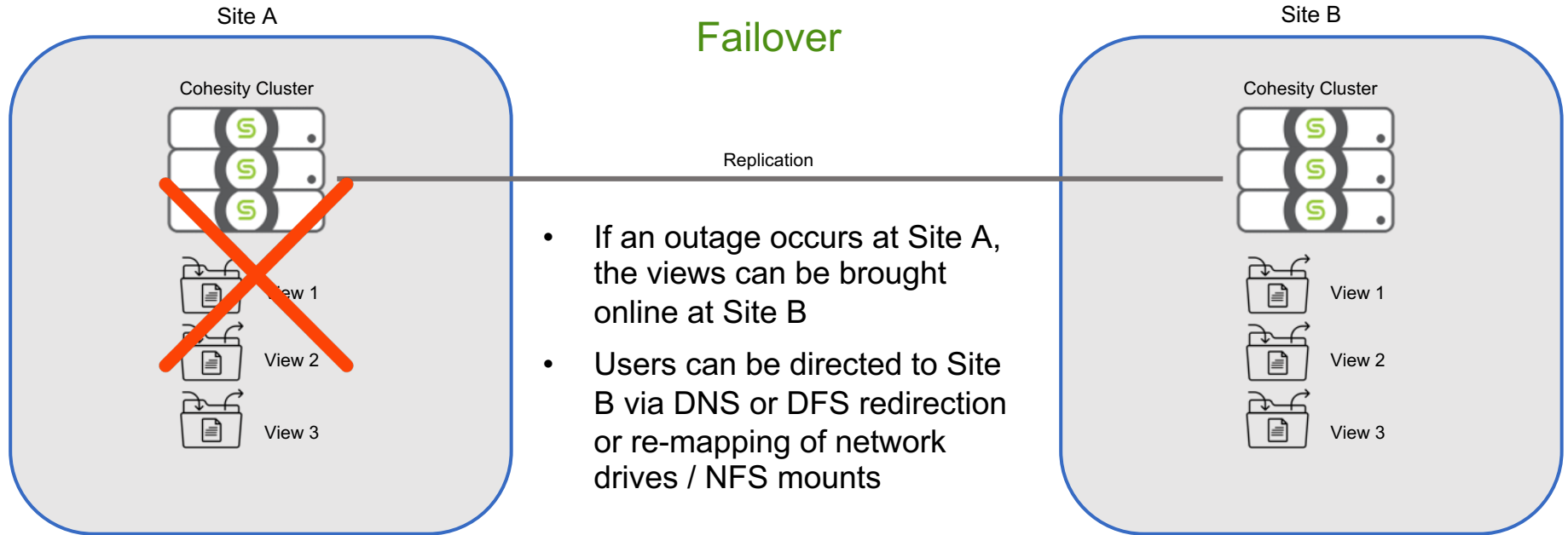
Cohesity Team
August 2021



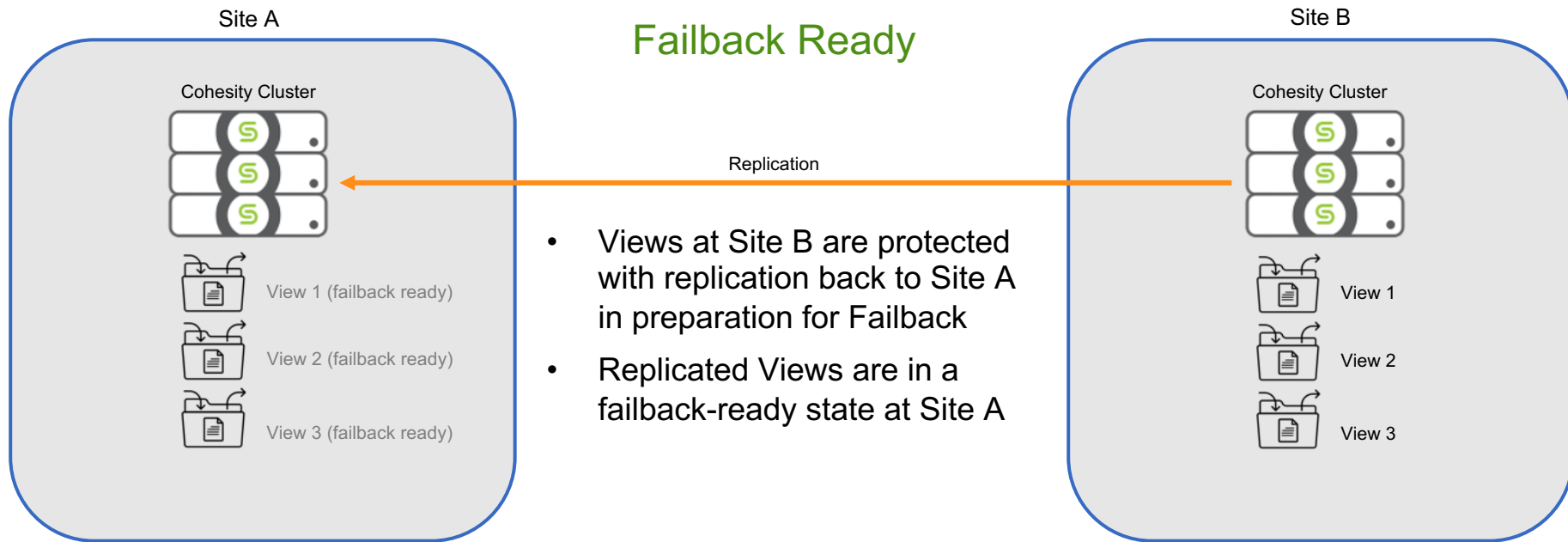
Views Protected at Site A (replicate to Site B)



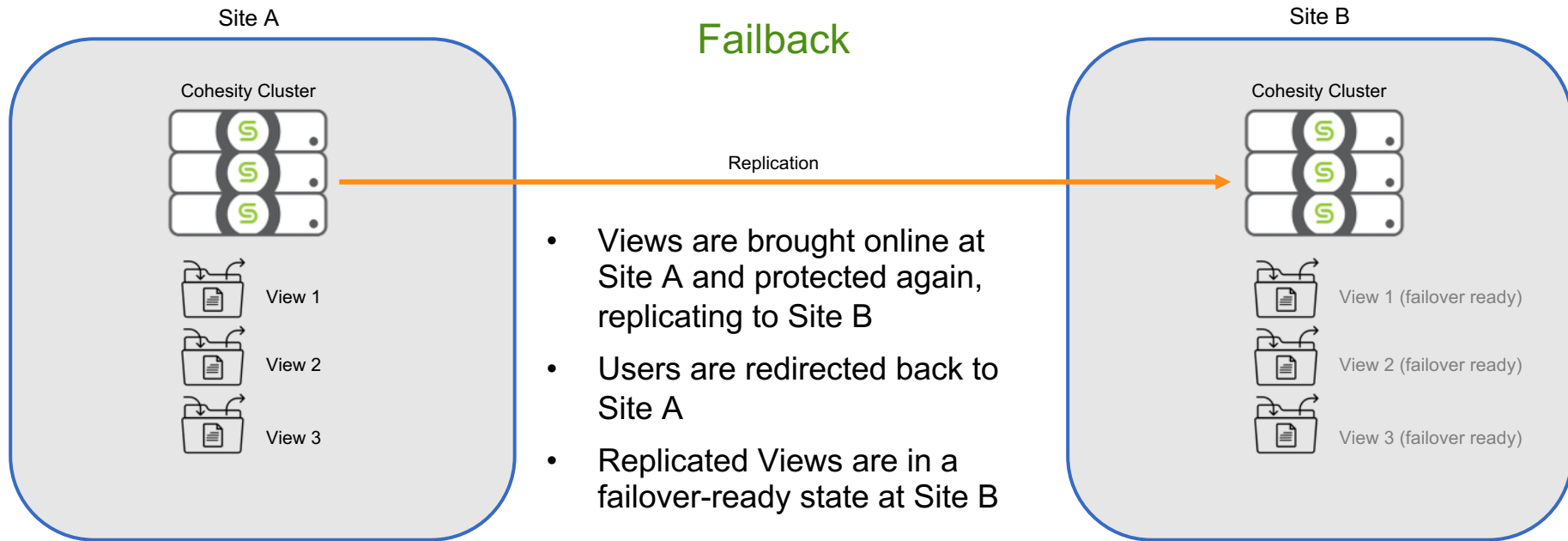
Failover of Cohesity Views to Site B



Views Protected at Site B (replicate to Site A)



Failback of Views to Site A

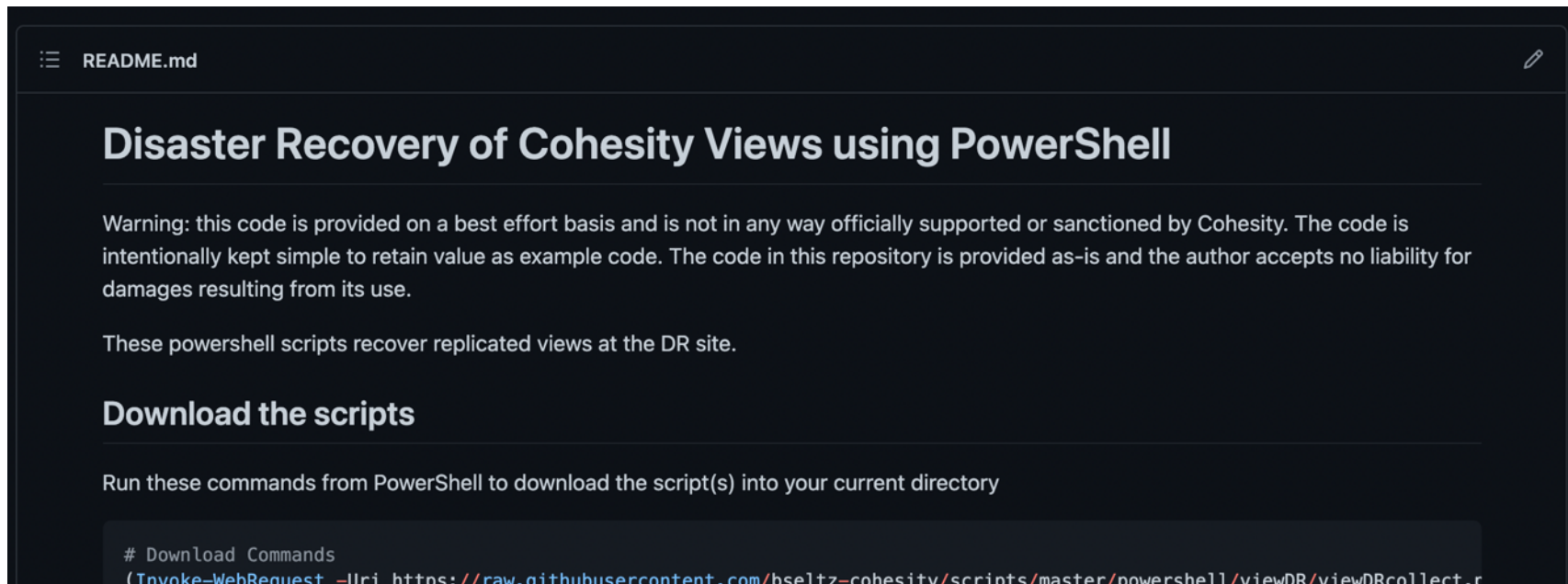


Automation of the Failover / Failback Process

- Collector Script
 - Information about views at Site A is collected nightly and stored on a “witness” folder (ideally located at Site B)
- Failover Script
 - Views are brought online at Site B
 - Views at Site B are protected and replicated back to Site A
 - Automated DNS/DFS updates for user redirection (optional)
 - Automated Removal of Views at Site A (optional)
- Failback Script
 - Views are brought online at Site A
 - Views at Site A are protected and replicated back to Site B
 - Automated DNS/DFS updates for user redirection (optional)
 - Automated Removal of Views at Site B (optional)

Scripts Available on GitHub

<https://github.com/bseltz-cohesity/scripts/tree/master/powershell/viewDR>



The screenshot shows a GitHub repository page for a PowerShell script. The title is 'Disaster Recovery of Cohesity Views using PowerShell'. A warning message states that the code is provided on a best effort basis and is not officially supported. Below the warning, it says 'These powershell scripts recover replicated views at the DR site.' The section 'Download the scripts' follows, with instructions to run PowerShell commands to download the script(s) into the current directory. The commands are shown in a code block.

☰ README.md

Disaster Recovery of Cohesity Views using PowerShell

Warning: this code is provided on a best effort basis and is not in any way officially supported or sanctioned by Cohesity. The code is intentionally kept simple to retain value as example code. The code in this repository is provided as-is and the author accepts no liability for damages resulting from its use.

These powershell scripts recover replicated views at the DR site.

Download the scripts

Run these commands from PowerShell to download the script(s) into your current directory

```
# Download Commands
(Invoke-WebRequest -Uri https://raw.githubusercontent.com/bseltz-cohesity/scripts/master/powershell/viewDR/viewDRcollect.r
```

Setup Wrapper Scripts for Easy Execution

> 0-collect.ps1 X

powershell > viewDR > > 0-collect.ps1

```
1 # save view metadata to DR share
2 .\viewDRcollect.ps1 -vip ve2 -username admin -outPath \\seltzer.net\shares\ViewDR
3
```

> 1-failover.ps1 X

powershell > viewDR > > 1-failover.ps1

```
1 # clone the replicated view backups
2 .\viewDRclone.ps1 -vip ve3 -username admin -viewList ./myviews.txt -inPath \\seltzer.net\Shares\ViewDR\VE2 -policy
3 # toggle dfs folder targets
4 .\dfsFailover.ps1 -nameSpace \\seltzer.net\shares -shareList .\migratedShares.txt -disableTarget \\ve2.seltzer.net
5 # toggle cnames and SPNs
6 # .\cnameFailover.ps1 -cname cohesitynas -oldHost ve2 -newHost ve3 -domain seltzer.net
7 # remove views from source
8 .\viewDRdelete.ps1 -vip ve2 -username admin -viewList ./myviews.txt -deleteSnapshots
9
```


Setup Wrapper Scripts for Easy Execution

```
> 2-failback.ps1 X
powershell > viewDR > > 2-failback.ps1
1  # clone the replicated view backups
2  .\viewDRclone.ps1 -vip ve2 -username admin -viewList ./myviews.txt -inPath \\seltzer.net\Shares\ViewDR\VE2 -policy
3  # toggle dfs folder targets
4  .\dfsFailover.ps1 -nameSpace \\seltzer.net\shares -shareList .\migratedShares.txt -disableTarget \\ve3.seltzer.net
5  # toggle cnames and SPNs
6  # .\cnameFailover.ps1 -cname cohesitynas -oldHost ve4 -newHost ve2 -domain seltzer.net
7  # remove views from source
8  .\viewDRdelete.ps1 -vip ve3 -username admin -viewList ./myviews.txt -deleteSnapshots
9
```

We're Here to Help!

- The Cohesity Team will help you setup the scripts
- Helpful Guides
 - Getting and Running Our PowerShell Scripts: <https://github.com/bseltz-cohesity/scripts/blob/master/powershell/Running%20These%20Scripts.md>
 - Scheduling Scripts with Windows Task Scheduler: <https://github.com/bseltz-cohesity/scripts/blob/master/powershell/Running%20Cohesity%20PowerShell%20Scripts.pdf>
 - More Cohesity script examples: <https://github.com/bseltz-cohesity/scripts/blob/master/README.md>



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