

Disclaimer: This document focuses solely on the integration between Milestone and FlashBlade and FlashArray

Milestone and Pure Storage Configuration Guide



Table of Contents

| Architecture Overview | 3 |
|---|-----|
| Steps Overview: | 3 |
| ashBlade Configuration | . 4 |
| lashArray Configuration | . 7 |
| /ilestone Management Server Configuration | 12 |
| lilestone Recording Server Configuration | 15 |



Architecture Overview



Steps Overview:

- 1. Create milestone environment please refer to milestone installation best practice (not covered in this guide)
- 2. Install FlashBlade and FlashArray and connect to the Milestone network environment (please refer to FlashBlade and FlashArray installation guide)
- 3. Configure the FlashBlade/FlashArray
- 4. Configure the Milestone Server



FlashBlade Configuration

Step 1:

Access the Pure Storage FlashBlade dashboard at https://10.226.224.190/dashboard.

| 0 | PURESTORAGE" • | Dashboard | A S |
|---|--|---|---|
| | Dashboard | Capacity | Recent Alerts |
| ۲ | Storage | File Systems 36.17 T 1.5 to 1 Object Strue 42.80 T Data Reduction | A connection to target test-minio requires a × 2024-07-15 09:25 |
| Ø | Protection | 28% Snapshots 176 T 80.73 T 292.13 T | Replication Bandwidth |
| Ë | Policies | Empty 211.40 T Used Capacity | Total: 34.25 KB/s |
| œ, | Analysis Performance | All Latency IOPS Bandwidth | 275.82 KB/s 34.25 KB/s 4.44.44.44.44.44.44.44.44.44.44.44.44.4 |
| | Capacity Replication | Latency 20 ms | Hardware Health |
| ↔ | Network Health | W 1.37 ms 0.09 ms 0.09 ms | FlashBlade//S200 |
| * | Settings | Upsr1:30 09:22:30 09:23:30 09:24:30 09:24:30 09:25:30 09:24:30 09:25:30 | |
| Help End I Term | User Agreement | R 4.00 W 35.00 O 31.00 | |
| Log (| Out | 09:21:30 09:22:30 09:22:30 09:23:30 09:23:30 09:24:30 09:25:30 09:25:30 09:25:30 09:25:30 09:25:30 | |
| Array RedE Flash Purit Logg pure | / DotFBS Blade Software ly//FB 4.4.0 vy/FB 4.4.0 user | R 40.00 KB/s W 280.00 KB/s 09.21:30 09.22:00 09.22:30 09.23:00 09.24:30 09.24:00 09.25:00 09.25:30 09.26:00 | |
| GMT | 408.00 (408) | | |

Step 2:

Go to the Storage page by selecting "Storage" from the left-hand navigation bar.

| | Arra | v File Systeme | Object Store | | | | | | | | |
|-----------------------------|------------------|--------------------------------|----------------------------------|-----------------------------------|-------------------------|-------------------------|--------------------|-----------------------|--------------------------|-------------|-----|
| | Alla | y rine Systems | object Store | | | | | | | | |
| Storage | (1) | Array | | | | | | | | | |
| | Virtua 121.73 | I Data Reduction T 1.5 to 1 | Unique Destroyed 78.97 T 0.00 | Snapshots Total 1.76 T 80.73 T | Capacity 292.13 T | | | | | | |
| | | RedDotFBS | | | | | | 1 | IDa0fd3a87-a78b-411c-aa8 | 32-3d75f890 | 0d3 |
| | | Ľ | o | Õ | Ĝ | G | ß | ſċ | 0 | | |
| | | File Systems | File System Snapshots | File System Replica Links | NFS Export Policies | SMB Client Policies | SMB Share Policies | Snapshot Policies | Object Store Accounts | | |
| | | 83 | 700 | 7 | 6 | 2 | 3 | 13 | 32 | | |
| | | | | | | | | | | | |
| | | - | ſċ | | Õ | (Å.) | | | | | |
| | _ | Object Store Users | Object Store Access Policies | Object Store Buckets | Bucket Replica Links | Object Store Objects | | | | | |
| | | 59 | 28 | 96 | 10 | ~ 9.83 B | | | | | |
| | | | | | | | | | | | |
| | | FlashBlade Array Co | onnections | | | | | | Arrays | Paths | |
| ay | | Name | Status | Version | Management Address | Replication Addre | ss Enci | rypted CA Certificate | Group Th | nottled | |
| abotres shBlade Software | | RedDotFB | connected | 4.4.0 | 10.226.224.182 | 10.226.224.183 | Fals | e - | Fa | lse | |
| gged in as | | S3 Target Connection | ons 🕖 | | | | | | | | |
| | | Name | | | Status | Address | | CA Certificate Gro | oup | | |
| | | • FBGen1 | | | connecting 🕖 | 10.226.224.247 | | _default_replication | on_certs | | |
| | | test-minio | | | connecting 👔 | 10.226.225.197 | | _default_replicatio | on_certs | | |



Step 3: Select "File Systems" from the top navigation bar.

| | Storage | | | | | 4 | 8 |
|--------------------------|--|------------------------------------|---------------------|---------------------|------------------|--------------------------|-----|
| 🚳 Dashboard | Array File Systems Object Store | | | | | | |
| 🕐 Storage | () > File Systems | | | | | | |
| Protection | Size Virtual D teduction Unique D 492.17 T 53.51 T 1 36.17 T 0 | Destroyed Snapshots 0.00 1.76 T | Total 37.93 T | | | | |
| Policies | File Systems | | | | General | Space 1-10 of 83 《 > | +: |
| Analysis | Virtual Ha | ard Limit | Created | Protocols | Promotion Status | Writable | |
| Performance | | All ~ | All | All ~ | All ~ | All ~ | |
| Capacity Replication | 0.00 Fal | alse | 2024-06-12 16:52:04 | | demoted | False | : |
| Network | 18.78 G Fai | alse | 2023-04-27 15:54:10 | NFSv3 | promoted | True | : |
| 🔗 Health | 5.68 G Fal | alse | 2023-05-02 21:06:35 | NFSv3 | promoted | True | : |
| | 3.00 K Fal | alse | 2024-05-02 14:14:31 | SMB | promoted | True | : |
| 🐝 Settings | 2.00 K Fal | alse | 2024-05-02 14:15:22 | SMB | promoted | True | : |
| Help | 148.31 M Fal | alse | 2024-04-30 13:32:04 | NFSv3, SMB | promoted | True | : |
| End User Agreement | 1.78 G Fal | alse | 2024-04-24 15:27:51 | NFSv3, NFSv4.1, SMB | promoted | True | : |
| Log Out | 2.50 K Fal | alse | 2024-05-02 14:07:28 | NFSv3, NFSv4.1, SMB | promoted | True | ÷ |
| Array | 2.86 T Fal | alse | 2023-02-06 07:35:15 | NFSv3 | promoted | True | ÷ |
| RedDotFBS | 3.70 G Fal | alse | 2023-01-02 00:49:33 | NFSv3 | promoted | True | : |
| Purity//FB 4.4.0 | | | Destroyed | (0) ~ | | | |
| Logged in as pureuser | File Locks | | | | Gene | ral Details Reload Cache | . : |
| GMT+08:00 (+08) | File locks are updated on-demand. Click "Reload Car | che" to retrieve current data | | | | | |
| | | | | | | | |
| | | | No file lock | s found. | | | |
| | | | | | | | |

Step 4: Select the plus icon "+" to create a file system

| | Storage | | | | | Å | 8 |
|---|--|------------------------------------|---------------------|---------------------|------------------|--------------------------|---|
| Oashboard | Array File Systems Object Store | | | | | | |
| 🖲 Storage | (f) > File Systems | | | | | | |
| Protection | Size Virtual Data Reduction Unique 492.17 T 53.51 T 1.5 to 1 36.17 T | Destroyed Snapshots 0.00 1.76 T | Total 37.93 T | | | | |
| Policies | File Systems | | | | General | Space 1-10 of 83 < > + | ᆋ |
| 🍳 Analysis | Virtual | Hard Limit | Created | Protocols | Promotion Status | Writable | |
| Performance Capacity | | | All | All | | | |
| Replication | 0.00 | False | 2024-06-12 16:52:04 | • | demoted | False | - |
| Network | 18.78 G | False | 2023-04-27 15:54:10 | NFSv3 | promoted | True | : |
| 😚 Health | 5.68 G | False | 2023-05-02 21:06:35 | NFSv3 | promoted | True | : |
| | 3.00 K | False | 2024-05-02 14:14:31 | SMB | promoted | True | : |
| 🐝 Settings | 2.00 K | False | 2024-05-02 14:15:22 | SMB | promoted | True | : |
| Help | 148.31 M | False | 2024-04-30 13:32:04 | NFSv3, SMB | promoted | True | : |
| End User Agreement | 1.78 G | False | 2024-04-24 15:27:51 | NFSv3, NFSv4.1, SMB | promoted | True | : |
| Terms Log Out | 2.50 K | False | 2024-05-02 14:07:28 | NFSv3, NFSv4.1, SMB | promoted | True | ÷ |
| Διταν | 2.86 T | False | 2023-02-06 07:35:15 | NFSv3 | promoted | True | : |
| RedDotFBS | 3.70 G | False | 2023-01-02 00:49:33 | NFSv3 | promoted | True | : |
| FlashBlade Software Purity//FB 4.4.0 | | | Destroye | d (0) 🗸 | | | |
| Logged in as pureuser | File Locks | | | | Gene | ral Details Reload Cache | : |
| GMT+08:00 (+08) | File locks are updated on-demand. Click *Reload | Cache" to retrieve current da | a. | | | | |
| | | | | | | | |
| | | | No file loc | ks found. | | | |
| | | | | | | | |



Step 5: Fill in the required information for the top section – *Name, Size, Special Directories*

| | Storage | | | | | X 🕉 |
|--------------------------|---|--------------------------------|---|------------------------------|------------------------------|-----|
| • | J | Create File System | 1 | × | | |
| Dashboard | Array File Systems Object | Name | Letters, Numbers, _ , - | | | |
| 🕑 Storage | V Prie Systems | | | | | |
| Protection | Size Virtual Data Reduction 492.17 T 53.51 T 1.5 to 1 | Size | e.g., 500K, 100M, 20G, 2T bytes Hard Limit | | | |
| Policies | File Systems | Special Directories | Fast Remove Snapshot | | General Space 1-10 of 83 < > | + : |
| Analysis | | Protocols (none) | | Pro | motion Status Writable | |
| Performance | | NFS SMB | HTTP Multi-protocol | | | |
| Replication | | NESv3 | NESy41 | den | noted False | : |
| Network | | | | pro | moted True | : |
| A Hoalth | | | Use Rules Use Policy | pro | moted True | : |
| - riealui | | Export Rules | e.g., 1.0.0.0/8(rw,no_root_squash) | pro | moted True | : |
| 🔆 Settings | | | @netgrp(rw,all_squash,anonuid=99,no_fileid_32bit) | pro | moted True | : |
| Help | 1 | | 1.41.8.32(rw,no_all_squash,sec=krb5:krb5l:krb5p) | pro | moted True | : |
| End User Agreement | | | | pro | moted True | : |
| Log Out | | Export Policy | Unused when specifying Rules | pro | moted True | : |
| Array | | | | pro | moted True | : |
| RedDotFBS | | | Additional Settings 🗸 | pro | moted True | ÷ |
| Purity//FB 4.4.0 | | | | | | |
| Logged in as pureuser | File Locks | | | General Details Reload Cache | : | |
| GMT+08:00 (+08) | File locks are updated on-demand. Clic | k "Reload Cache" to retrieve c | urrent data. | | | |
| | | | | | | |
| | | | No file locks found. | | | |
| | | | | | | |
| | | | | | | |

Step 6:

- 1. Select "SMB" as the protocol on the tab
- 2. Make sure the SMB checkbox is checked
- 3. For Client Policy and Share Policy *Please refer to FlashBlade user guide for more information*
- 4. Press the "Create" button

| Storage | Å 🕉 |
|---|---|
| | Create File System |
| Array File Systems Objec | Name Lotter Numbers |
| (f) > File Systems | |
| Size Virtual Data Reduction 492.17 T 53.51 T 1.5 to 1 | Size e.g., 500K, 100M, 20G, 2T bytes Hard Limit |
| File Systems | Special Directories Fast Remove Snapshot |
| | Protocols (SMB) Protocols (SMB) Protocols (SMB) |
| | NFS SMB HTTP Multi-protocol |
| | den ted False |
| | SMB 🖬 pro oted True 🚦 |
| | Mode () SMB native pro oted True : |
| | Client Policy Select Policy Client Policy |
| | pro oted True : |
| | Share Policy - Select Policy - pro oted True |
| | Continuous 🗹 The file system remains available during disruptions such as network pro oted True |
| | Availability disruption or blade failover for SMB CA supported clients. Changing It disconnects existing SMB sessions. pro oted True |
| | promoted True : |
| | Additional Settings V promoted True |
| | |
| File Locks | Cancel General Details Reload Cache |
| File locks are updated on-demand. Clic | "Reload Cache" to retrieve current data. |
| | |
| | No file locks found. |
| | |

You have now successfully configured the Dashboard for FlashBlade 🏹



FlashArray Configuration

Step 1:

Access the Pure Storage FlashBArray dashboard at https://10.226.224.197/dashboard.

| | Dashboard | C Search |
|--|--|--|
| Oashboard | Capacity | Recent Alerts 4 |
| StorageProtection | Unique 8.72 T Data Reduction 5.8 to 1 10 % Snapshots 2.33 T Total Reduction 7.5 to 1 Provisioned Size 10 % Shared 4.22 T Total Reduction 7.5 to 1 Provisioned Size 10 % Shared 0.00 Used 15.27 T Virtual 50.50 T | (array:nfs4): Recommend upgrading t 2024-07-15 08:19 (file system:POC): Missing email addr 2024-07-15 1002 × |
| Analysis | System 0.00 Total 145.04 T Empty 129.77 T | ▲ (hardware:ct1.eth3): failure |
| Performance | Volume File System 5 Minutes 24 Hours | 2024-07-15 10:02 |
| Capacity Replication | Array Performance | (nardware:ct0.eth3): failure 2024-07-15 10:02 |
| | Latency R W | (directory_service:Service: active_dir |
| | 0.06ms 0.34ms | Hardware Health |
| Settings | <u>A.U. MS</u> | FA-C60R3 |
| Help End User Agreement Terms Log Out | IOPS R W 49.00 0.33K | |
| | 2K | |
| | Machine Machine <t< th=""><th></th></t<> | |
| Array | Bandwidth R W | |
| Purity//FA | 320 ME/s | |
| SafeMode | | |
| Logged in as pureuser GMT+08:00 (+08) | | |

Step 2:

Go to the Storage page by selecting "Storage" from the left-hand navigation bar.

| | PURESTORAGE* • | Storage | | | | | | 4 | X Q Search | |
|---|---|--|--------------|-------------------------------|---------------------------------------|------|------|-------------|---------------------------------|-----------|
| ۹ | | Array Hosts Volum | ies Pods Fil | e Systems Po | olicies | | | | | |
| | Storage | 😢 > Array | | | | | | | | |
| Ś | | Size Virtual Data Reduction - 50.50 T 5.8 to 1 | 8.72 T 0.00 | n Snapshots Shi 2.33 T 4.2 | ared System Total 2 T 0.00 15.27 T | | | | | |
| | | RedDotC | | | | | | | ID 21f01817-0267-4411-ad2e-09fc | :f474f3a3 |
| | | Hosts | Host | Volumes | Volume | Pods | File | Directories | Policies | |
| Ð | | 11 | 2 | 128 | 12 | 3 | 9 | 22 | 9 | |
| * | | | | | | | | | | |
| He En Te Lo | | | | | | | | | | |
| An Re Pu 6.4 Sa In Lo GN https: | ray dDotC ntjy//FA 4.10 feMode Use gged in as pureuser 47-08:00 (+08) //10.226.224.197/storage/volt | umes | | | | | | | | |



Step 3: Select "File Systems" from the top navigation bar.

| | Storage | | A Search |
|---|--|-----------------|--|
| Dashboard | Array Hosts Volumes Pods File Systems | Policies | |
| 🚯 Storage | File Systems | | |
| Protection | Size Data Reduction Unique Snapshots Total - 1.8 to 1 33.02 G 22.38 M 33.04 G | | |
| Analysis Performance Capacity Perfunction | File Systems A | | 19 of 9 🕂 🗄 |
| Health | Dootsy-cv-test DC1_PS3_FS01_NR-test | | <u>ت</u> ی ت |
| Settinas | DC1_PS3_FS02_RP-test | | c 🖬 |
| | Networker | | 2 m 2 m |
| Help End User Agreement | D РОС | | 2 前 |
| Terms Log Out | PS-FS-TestpodC::PS_Test_FS PS-PCS-Test | | |
| | © SMB-Test | | |
| | | Destroyed (0) 🗸 | |
| Аггау | Directories A | | General Space Usage 1-10 of 22 < > + : |
| RedDotC Purity//FA 6.4.10 SafeMode | Name 🔺 | Path | File System |
| | bootsy-cv-testroot | 1 | bootsy-cv-test 🛛 🗇 |
| In Use Logged in as pureuser | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | DC1_PS3_FS01_NR-test |
| GMT+08:00 (+08) https://10.226.224.197/storage/file_ | Ph DC1_PS3_FS01_NR-test:root systems | 1 | DC1_PS3_FS01_NR-test |

Step 4: Select the plus icon "+" to create a file system

| | Storage | | 🔓 🗴 🔍 Search | |
|--|---|-----------------|------------------------------------|-----|
| Create File System Dashboard | Array Hosts Volumes Pods File Systems | Policies | | |
| Storage | File Systems | | | |
| | Size Data Reduction Unique Snapshots Total - 1 1.8 to 1 33.02 G 22.38 M 33.04 G | | | |
| | File Systems A | | 1-9 of 9 | - |
| | Name 🔺 | | | 1 |
| | D bootsy-cv-test | | | 20 |
| 😯 Health | DC1_PS3_FS01_NR-test | | | ⊠ ≣ |
| | DC1_PS3_FS02_RP-test | | | 20 |
| 🔆 Settings | D milestone | | | 2 🖬 |
| | Networker | | | 20 |
| | PPOC | | | 20 |
| | PS-FS-TestpodC::PS_Test_FS | | | 2 🖬 |
| | PS-PCS-Test | | | 2 🖬 |
| | SMB-Test | | | 20 |
| | | Destroyed (0) 🗸 | | |
| | Directories < | | General Space Usage 1-10 of 22 < > | + : |
| Array RedDotC Purity//FA 6.4.10 | Name 🔺 | Path | File System | |
| | bootsy-cv-testroot | 1 | bootsy-cv-test | 2 1 |
| | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | DC1_PS3_FS01_NR-test | 20 |
| GMT+08:00 (+08) | DC1_PS3_FS01_NR-test:root | 1 | DC1_PS3_FS01_NR-test | 8 💼 |



- Step 5:1. The "Pod" field is optional2. Enter the name for the file system3. Press the "Create" button

| Storage | Create File System | , , | × | 🔓 🗙 🔍 Search | |
|-----------------------------------|--------------------|---------------------|--------|------------------------------------|-----|
| Array Hosts Volumes | Pod | none | | | |
| Size Data Reduction Unique Space | Name | Letters, Numbers, - | | | |
| - 1.8 to 1 33.02 G 22.38 | | | | | |
| File Systems A | | Canc | Create | 1-9 of 9 | +: |
| bootsy-cv-test | | | | | ☑ 💼 |
| DC1_PS3_FS01_NR-test | | | | | 2 💼 |
| DC1_PS3_FS02_RP-test | | | | | 2 💼 |
| D milestone | | | | | 2 🖻 |
| Networker | | | | | 2 💼 |
| POC | | | | | 2 💼 |
| PS-FS-TestpodC::PS_Test_FS | | | | | 2 💼 |
| PS-PCS-Test | | | | | 2 💼 |
| SMB-Test | | | | | ☑ 💼 |
| | | Destroyed (0 | | | |
| Directories ~ | | | | General Space Usage 1-10 of 22 < > | + : |
| Name 🔺 | | Path | | File System | |
| | | 1 | | bootsy-cv-test | |
| DC1_PS3_FS01_NR-test:CV_TEST_CF_0 | | /CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test | 2 💼 |
| DC1_PS3_FS01_NR-test:root | | 1 | | DC1_PS3_FS01_NR-test | ß |

Step 6: Scroll down to "Directory Exports" section

| | Storage | | | <u></u> | X Q See | arch | |
|---|------------------------------------|-------------------------------------|--------------------|-------------------|---------|----------------|-----|
| Oashboard | DC1_PS3_FS01_NR-testroot | T | | DC1_PS3_FS01_NR-t | test | | 6 1 |
| (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | | DC1_PS3_FS02_RP-1 | test | | 0 8 |
| V Storage | DC1_PS3_FS02_RP-test:MD1 | /MD1 | | DC1_PS3_FS02_RP- | test | | 2 8 |
| Protection | DC1_PS3_FS02_RP-test:MD2_test | /MD1/MD2_Dir | | DC1_PS3_FS02_RP- | test | | 2 💼 |
| Analysis | DC1_PS3_FS02_RP-testroot | 1 | | DC1_PS3_FS02_RP4 | test | | 2 💼 |
| Performance | T milestone:root | 1 | | milestone | | | 2 🖬 |
| Capacity Replication | Networker:Node01 | /node01 | | Networker | | | 2 🗇 |
| | Networker:root | 1 | | Networker | | | 2 1 |
| 🛞 Health | | Destroy | ved (0) 🗸 | | | | _ |
| 🔆 Settings | Directory Exports | | | | | 1-10 of 18 < > | + |
| | Name 🔺 | Directory | Path | Policy | Туре | Enabled | |
| Help | | | | | | | |
| End User Agreement | CF_CV_TEST_01 | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | nfs-simple | nfs | true | Ť |
| Terms | CF_CV_TEST_01 | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | smb-simple | smb | true | Ť |
| Log Out | cv-test | bootsy-cv-test:root | / | smb-simple | smb | true | ÷ |
| | cv-test-nfs | bootsy-cv-test:root | 1 | nfs-simple | nfs | true | ŵ |
| | CV_TEST_CF_002 | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | nfs-simple | nfs | true | ά |
| Διταν | CV_TEST_CF_002 | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | smb-simple | smb | true | 亩 |
| RedDotC | milestone | POC:milestone | /milestone | smb-simple | smb | true | ά |
| Purity//FA 6.4.10 | milestone2 | milestone:root | / | NetWorker_SMB | smb | true | 亩 |
| SafeMode In Use | nw-node01 | Networker:Node01 | /node01 | NetWorker_SMB | smb | true | ά |
| Logged in as pureuser GMT+08:00 (+08) https://10.226.224.197/analysis/car | PCS-Test | PS-PCS-TestPCS-Test | /PCS-Test | smb-simple | smb | true | ā |



Step 7: Click on the plus icon "+" to create a directory export

| | Storage | | | <u>4</u> | х Q s | earch | |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------|-----------------|--------------|----------------|-----|
| | DC1_PS3_FS01_NR-testroot | 1 | | DC1_PS3_FS01_NR | -test | | 88 |
| @ Characa | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | | DC1_PS3_FS02_RF | -test | | 0 1 |
| U Storage | DC1_PS3_FS02_RP-test:MD1 | /MD1 | | DC1_PS3_FS02_RF | -test | | 0 |
| | DC1_PS3_FS02_RP-test:MD2_test | /MD1/MD2_Dir | | DC1_PS3_FS02_RF | -test | | 0 |
| Applyric | DC1_PS3_FS02_RP-test:root | 1 | | DC1_PS3_FS02_RF | P-test | | 2 💼 |
| Performance | C milestone:root | 1 | | milestone | | | 2 💼 |
| Capacity | Networker:Node01 | /node01 | | Networker | | | 2 💼 |
| | C Networker:root | 1 | | Networker | | | 28 |
| | | Destro | yed (0) 🗸 | | | | |
| | Directory Exports | | | | | 1-10 of 18 < > | +< |
| | Name A | Directory | Path | Policy | Туре | Enabled | |
| | | | | | | | |
| | CF_CV_TEST_01 | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | nfs-simple | nfs | true | 亩 |
| | CF_CV_TEST_01 | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | smb-simple | smb | true | 亩 |
| | cv-test | bootsy-cv-test:root | / | smb-simple | smb | true | 亩 |
| | cv-test-nfs | bootsy-cv-test:root | 1 | nfs-simple | nfs | true | 亩 |
| | CV_TEST_CF_002 | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | nfs-simple | nfs | true | 亩 |
| | CV_TEST_CF_002 | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | smb-simple | smb | true | 亩 |
| RedDotC | milestone | POC:milestone | /milestone | smb-simple | smb | true | 亩 |
| | milestone2 | milestone:root | 1 | NetWorker_SMB | smb | true | 亩 |
| | nw-node01 | Networker:Node01 | /node01 | NetWorker_SMB | smb | true | 亩 |
| Logged in as pureuser | PCS-Test | PS-PCS-Test:PCS-Test | /PCS-Test | smb-simple | smb | true | 亩 |
| tps://10.226.224.197/analysis/cap | acity | | | | | | |

Step 8: Select "milestone:root" as the directory

| | Storage | _ | | | L. | X Q Se | arch | |
|----------------------------|-----------------------------------|----------------|-------------------------------------|-------------------|-----------------|--------|--------------|--|
| | J | Create Exports | | × | | | | |
| Dashboard | DC1_PS3_FS01_NR-test:root | Directory | Select a Directory | | DC1_PS3_FS01_NR | -test | | |
| D Chavana | DC1_PS3_FS02_RP-test:CF_CV_TEST_C | | - Select a Directory - | | DC1_PS3_FS02_RP | -test | | |
| y Storage | DC1_PS3_FS02_RP-test:MD1 | NFS Policy | | · | DC1_PS3_FS02_RP | -test | | 0 1 |
| Protection | DC1_PS3_FS02_RP-test:MD2_test | SMB Policy | none | | DC1_PS3_FS02_RP | -test | | 2 💼 |
| | | | bootsy-cv-test:root | | DC1_PS3_FS02_RP | -test | | |
| Performance | milestone:root | Export Name | DC1_PS3_FS01_NR-test:CV_TEST_C | 200 | milestone | | | |
| Capacity Replication | Networker:Node01 | | DC1_PS3_FS02_RP-test:CF_CV_TES | 235 | Networker | | | 2 💼 |
| Repleation | Networker:root | | DC1_PS3_FS02_RP-test:MD1 | ncel Create | Networker | | | |
| 🚸 Health | | | DC1_PS3_FS02_RP-test:MD2_test | | | | | |
| A | Directory Exports | | DC1_PS3_FS02_RP-test:root | | | | 1-10 of 18 < | × + |
| 🐝 Settings | Name 🔺 | | milestone:root | ath | Policy | Type | Enabled | · 1 |
| | | | Networker:Node01 | | | | | |
| Help Fod User Agreement | CF_CV_TEST_01 | | Networker:root | MD1/CF_CV_TEST_01 | nfs-simple | nfs | true | Ē |
| Terms | CF_CV_TEST_01 | | 12 more matches | MD1/CF_CV_TEST_01 | smb-simple | smb | true | Ť |
| Log Out | cv-test | | bootsy-cv-test:root | 1 | smb-simple | smb | true | 亩 |
| | cv-test-nfs | | | 1 | nfs-simple | nfs | true | ti di la constante |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | nfs-simple | nfs | true | tin and the second seco |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | smb-simple | smb | true | tin and the second seco |
| Array RedDotC | milestone | | POC:milestone | /milestone | smb-simple | smb | true | ŵ |
| Purity//FA 6.4.10 | milestone2 | | milestone:root | 1 | NetWorker_SMB | smb | true | ŵ |
| SafeMode In Use | nw-node01 | | Networker:Node01 | /node01 | NetWorker_SMB | smb | true | Ť |
| Logged in as pureuser | PCS-Test | | PS-PCS-Test:PCS-Test | /PCS-Test | smb-simple | smb | true | |
| GM (108.00 (108) | | | | | | | | |



| | Storage | | | | Le la | | earch | |
|-------------|----------------------------------|----------------|-------------------------------------|--------------------|---|-------|----------------|--|
| | Storage | Create Exports | Create Exports × | | | | | |
| shboard | DC1_PS3_FS01_NR-test:root | Directory | milestoneroot | | DC1_PS3_FS01_NR- | test | | |
| | DC1_PS3_FS02_RP-test:CF_CV_TEST_ | | milestone.root | | DC1_PS3_FS02_RP | -test | R | ۵. |
| rage | DC1_PS3_FS02_RP-test:MD1 | NFS Policy | Select a NFS policy | ~ | DC1_PS3_FS02_RP | -test | ß | 亩 |
| tection | DC1_PS3_FS02_RP-test:MD2_test | SMB Policy | Select a SMB policy | - | DCL_PS3_FS02_RP | -test | Ø | Ē |
| alveie | DC1_PS3_FS02_RP-test:root | | | | DC1_PS3_FS02_RP | -test | | i da |
| formance | | Export Name | | | milestone | | | m |
| acity | Networker:Node01 | | NetWorker_SMB | 235 | Networker | | | <u>ش</u> |
| incation | Networker:root | | smb-anon | ncel Create | Networker | | | m |
| alth | | | smb-simple | | | | | |
| the sec | Directory Exports | | smbtw2 | | | | 1-10 of 18 〈 〉 | + |
| ungs | Name 🔺 | | No more matches | ath | Policy | Туре | Enabled | |
| | | | No more matches | | | | | |
| greement | CF_CV_TEST_01 | | | /MD1/CF_CV_TEST_01 | nfs-simple | nfs | true | Ē |
| | CF_CV_TEST_01 | | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | smb-simple | smb | true | ۵. |
| | cv-test | | | 1 | smb-simple | smb | true | m |
| | cv-test-nfs | | | 1 | nfs-simple | nfs | true | tin and the second seco |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | nfs-simple | nfs | true | Ē |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | smb-simple | smb | true | <u>ش</u> |
| | milestone | | POC:milestone | /milestone | smb-simple | smb | true | ŵ |
| | milestone2 | | milestone:root | 1 | NetWorker_SMB | smb | true | 亩 |
| | nw-node01 | | Networker:Node01 | /node01 | NetWorker_SMB | smb | true | 亩 |
| is pureuser | PCS-Test | | PS-PCS-Test:PCS-Test | /PCS-Test | smb-simple | smb | true | |
| (+08) | | | | | | | | |

Select a "SMB Policy" – Please refer to FlashArray user guide for more information

Enter an Export Name and select the "Create" button Please remember the chosen file system name as it will be needed later*

| | Storage | _ | | | R | X Q Sea | arch | |
|----------------------------|----------------------------------|----------------|---|--------------------|------------------|---------|----------------|----------|
| | otorage | Create Exports | | × | 0.00 | | | |
| 🕙 Dashboard | DC1_PS3_FS01_NR-test:root | Directory | milestone:root | | DC1_PS3_FS01_NR- | test | | 3 🖬 |
| Charlana | DC1_PS3_FS02_RP-test:CF_CV_TEST_ | | mileatone.root | | DC1_PS3_FS02_RP- | test | I | 2 💼 |
| y Storage | DC1_PS3_FS02_RP-test:MD1 | NFS Policy | Select a NFS policy | Ψ | DC1_PS3_FS02_RP- | test | I | 2 💼 |
| Protection | DC1_PS3_FS02_RP-test:MD2_test | SMB Policy | Select a SMB policy | | DC1_PS3_FS02_RP | test | 1 | 2 💼 |
| Applycia | DC1_PS3_FS02_RP-test:root | | | | DC1_PS3_FS02_RP- | test | | 3 🖬 |
| Performance | milestone:root | Export Name | Letters, Numbers, - | 10000FP | minestone | | | 2 💼 |
| Capacity | Networker:Node01 | | Name used to mount this path for clients to a | locess | Networker | | I | 2 💼 |
| Replication | Networker:root | | | Cancel Create | Networker | | | 3 💼 |
| 🚸 Health | | | | | | | | |
| 🆇 Settings | Directory Exports | | | | | | 1-10 of 18 < > | + |
| age Octaings | Name 🔺 | | Directory | Path | Policy | Туре | Enabled | |
| | | | | | | | | |
| Help End User Agreement | CF_CV_TEST_01 | | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | nfs-simple | nfs | true | Ē |
| Terms | CF_CV_TEST_01 | | DC1_PS3_FS02_RP-test:CF_CV_TEST_01 | /MD1/CF_CV_TEST_01 | smb-simple | smb | true | Ē |
| Log Out | cv-test | | | 7 | smb-simple | smb | true | Î |
| | cv-test-nfs | | | 1 | nfs-simple | nfs | true | â |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | nfs-simple | nfs | true | ŵ |
| | CV_TEST_CF_002 | | DC1_PS3_FS01_NR-test:CV_TEST_CF_002 | /CV_TEST_CF_002 | smb-simple | smb | true | â |
| RedDotC | milestone | | POC:milestone | /milestone | smb-simple | smb | true | ŵ |
| Punty//FA 6.4.10 | milestone2 | | | 1 | NetWorker_SMB | smb | true | â |
| SafeMode In Use | nw-node01 | | Networker:Node01 | /node01 | NetWorker_SMB | smb | true | <u>ش</u> |
| Logged in as pureuser | PCS-Test | | | /PCS-Test | smb-simple | smb | true | â |
| 0 | | | | | | | | |

You have now successfully configured the Dashboard for FlashArray 🏹



Milestone Management Server Configuration

Step 1:

Open the software "Milestone XProtect Management Client 2023 R2"

| Milestone XProtect Management Client 2023 R2 | - (| 3 X |
|---|---|------|
| File View Action Maintenance Tools Help | | |
| 8 9 0 • # | | |
| Site Navigation - 7 X | | |
| MILESTONE-MGT - (23.2a) | ♦ milestone XProtect* | |
| License Information | | |
| Site Information | | |
| Remote Connect Services Axis One-click Camera Connectio | Server: | |
| Servers | Welcome to the Milestone XProtect Management Client. This is your feature-rich administration client for configuration and day-to-day management of your system. | |
| - Recording Servers | Select any of the nodes in the left band side - Basics. Servers, Devices, Client, Rules and Events, Security, System Dashboard, Server Loos, Metadata Use or Alarms | - to |
| - 1 Failover Servers | learn more, or to start working. | |
| Mobile Servers | From the menu, select Help to activate the built-in help system, where you can find extensive help and information. Alternatively, press F1 on your keyboard. | |
| Devices | | |
| Cameras 2 Manushanan | | |
| Sceakers | | |
| Metadata | | |
| de Incut | | |
| - Output | | |
| E Client | | |
| - Smart Wall | | |
| - Ciew Groups | | |
| Smart Client Profiles | | |
| Management Client Profiles | | |
| Matrix | | |
| Rules and Events | | |
| Time Profiles | | |
| Notification Profiles | | |
| Viser-defined Events | | |
| Analytics Events | | |
| Generic Events | | |
| 🖧 Webhooks | | |
| 🖻 🐗 Security | | |
| Roles | | |
| Basic Users | | |
| System Dashboard | | |
| Sustam Manitor | | |
| System Monitor Thresholds | | |
| - R Evidence Lock | | |
| Configuration Reports | | |
| Server Logs Y | | |
| < >> | | |
| Site Navigation Federated Site Hierarchy | | |
| | | |

Step 2:

Navigate to the "Recording Servers"

| Milestone XProtect Management Client 2023 R | 2 | - 0 X |
|---|--------------------------------|---------------------------------------|
| File View Action Maintenance Tools Help | | |
| E 🤊 🥝 🗢 🛍 | | |
| Site Navigation - 4 × | Recording Server + 7 | Properties • 0 |
| MILESTONE-MGT - (23.2a) | Fiter | Recording server information |
| Basics | Recording Servers | Name: |
| License Information | HileStone-Rec1 | |
| Site Information | MileStone-Rec2.purestorage.int | Department |
| Hemote Connect Services | | Lescipor. |
| Addis One-Click Camera Connectio | | () |
| di Recording Servers | | |
| - Eailover Servers | 15 | |
| Mobile Servers | | × |
| Devices | | Mad annu |
| - Cameras | 1 | T HOW HERITE |
| - A Microphones | | |
| Speakers | | Local web server address: |
| - 1 Metadata | | |
| do Input | | Web server address: |
| | | |
| □ □ □ Client | | Time zone: |
| Smart Wall | | |
| View Groups | | |
| Smart Client Profiles | | |
| Matrix | | |
| Bules and Events | | |
| - E Rules | | |
| Time Profiles | | |
| Notification Profiles | | |
| - Vser-defined Events | 1 | |
| - Analytics Events | 1 | |
| - Ceneric Events | 1 | |
| - Webhooks | | 1 Info |
| ⊟ di Security | Preview | - 3.2 |
| Roles | | · · · · · · · · · · · · · · · · · · · |
| Basic Users | 1 | |
| System Dashboard | 1 | |
| Current Tasks | | |
| System Monitor Thresholds | 1 | |
| - R Evidence Lock | 1 | |
| Configuration Reports | 1 | |
| Server Logs | 1 | |
| < > | 1 | |
| Site Navigation Federated Site Hierarchy | | |
| | 1 | |



Step 3:

Select your own recording server you want to configure, for example in this case "MileStone-Rec1"

| Milestone XProtect Management | t Client 2023 R2 | - b x |
|--|-------------------------------|--|
| File View Action Maintenance T | Tools Help | |
| a 🤊 🕝 🗢 🛤 | | |
| Site Navigation | | Properties • 9 |
| MILESTONE-MGT - (23.2a) | A Fiter | Recording server information |
| Basics | Participan Security | Necoling server information |
| License Information | El MisStone Dad | rame: |
| Site Information | H MileStone- Spure forage.int | Miestone-riec 1 |
| Connect Services | W | Description: |
| Axis One-click Camera | Connectio | · · · · · · · · · · · · · · · · · · · |
| E Servers | | |
| Recording Servers | | |
| Failover Servers | | |
| Mobile Servers | | ~ |
| Devices | | Had name: |
| - Cameras | | r love relation. |
| - A Microphones | | Interscone-nec 1 pureticitage an |
| Speakers | | Local web server address: |
| Metadata | | http://milestone.rec1.purestorage.int.7563/ |
| do Input | | Web server address: |
| - Output | | |
| Client | | |
| Smart Wall | | Time zone: |
| - Pa View Groups | | (UTC+08:00) Kuala Lumpur, Singapore |
| Smart Client Profiles | | |
| Management Client Prof | files | |
| Matrix | | |
| Rules and Events | | |
| - E Rules | | |
| R Time Profiles | | |
| Notification Profiles | | |
| - User-defined Events | | |
| Analytics Events | | |
| Generic Events | | |
| - Nebhooks | | 🕞 Info 🧃 Storage 🐌 Failover 🕁 Multicast 💱 Network |
| Security | | 1 III) Contradio C. I manuel de la contradio S. La contradio |
| Roles | Preview | - P) |
| - Rasic Users | | |
| System Dashboard | | |
| Current Tasks | | |
| System Monitor | | |
| System Monitor Thresh | olds | |
| R Evidence Lock | | |
| Configuration Reports | | |
| Server Loss | ~ | |
| < | > | |
| Circ Maniantian Enderstad Site Minner | achus | |
| Site Navigation receitated Site Hieran | tury t | |

Step 4: Select the Storage icon at the bottom tab

| Milestone XProtect Management Client 2 | 023 R2 | | - 0 × |
|--|--------------------------------|---|-------|
| File View Action Maintenance Tools H | elp | | |
| E 9 9 • B | | | |
| Site Navigation | X Recording Server | • 9 Properties | - P. |
| MILESTONE-MGT - (23.2a) | A Film | V Burderumeridantin | |
| B G Basics | Carl Country Country | - Hecology server intomation | |
| License Information | D Historiang Servers | Name: | |
| Site Information | MileStone-Rec2 purestorage int | Mile Sone-Hec 1 | |
| Remote Connect Services | | Description: | |
| Axis One-click Camera Connecti | io l | | ~ |
| Servers | | | |
| Recording Servers | | | |
| Failover Servers | | | |
| Mobile Servers | | | . v |
| - SP Devices | | | |
| -SD Cameras | III. | Host name: | |
| - A Microphones | | MieStone-Fiec1 purestorage int | |
| - Chaskers | 11 C | Local web server address: | |
| Matadata | | http://milestone-rec1.purestorage.int:7563/ | |
| metaudia | | Mich and a Advantage | |
| Go input | | Web server address: | |
| Output | | | |
| Creative! | | Time zone: | |
| Smart Wall | | (UTC+08:00) Kuala Lumpur, Singapore | |
| View Groups | N | | |
| Smart Client Profiles | | | |
| Management Client Profiles | | | |
| Matrix | | | |
| Hules and Events | | | |
| Rules | | | |
| Time Profiles | | | |
| Notification Profiles | | | |
| Vuser-defined Events | | | |
| Analytics Events | | | |
| Generic Events | | | |
| Webhooks | | 🚯 Info 🔰 Streage 🐮 Failover 💠 Multicast 😭 Network | |
| security | Proview | | - ª X |
| - Roles | | T | |
| Basic Users | | – | |
| System Dashboard | | – | |
| Current Tasks | | – | |
| System Monitor | | | |
| System Monitor Thresholds | 10 C | – | |
| - 2 Evidence Lock | 11 | | |
| Configuration Reports | 11 | | |
| Server Logs | ¥ | | |
| < | > | | |
| Site Navigation Federated Site Hierarchy | | | |
| | | | |



Step 5: Select the "Add Archive" icon



Step 6:

- 1. Specify the name for the archive settings
- 2. Specify the path, noting that the last portion, such as "milestone" in this example, is the export directory name you created earlier.
- 3. Fill up the rest of the information, if you are unsure please refer to FlashBlade user guide for more information
- 4. Press "Ok" button to create

| Archive Settings | × |
|--------------------|--|
| | milestone |
| Archive | |
| Name: | FlashBlade-Rec1 |
| Path: | \\reddotfbs\milestone |
| Retention time: | 3 📥 Day(s) ∨ |
| Maximum size: | 20000 🔶 GB |
| Schedule: | Occurs every day every 1 hour(s) between 00:00 and (************************************ |
| Reduce frame rate: | 5.00000 + Frames per second Note: MPEG-4/H.264/H.265 will be reduced to keyframes. Audio recordings will not be reduced. . |
| Help | OK Cancel |

You have now successfully configured the Milestone Management Server 🔽



Milestone Recording Server Configuration

This is to verify that the storage has been mounted successfully.

Step 1:

Open your file explorer



Step 2:

- 1. Scroll down to Network and right click on it
- 2. Select "Map network drive"

| Recycle Bin | | | |
|---------------------|-----------------------------------|-------------------------|---|
| | | | |
| 2 | | | |
| | | | |
| Acrobat | 🐂 🖸 📗 🗢 File Explorer | - | |
| | File Home Share View | | × 🛛 |
| | ← → ✓ ↑ ★ > Quick access | ✓ Ŏ Search Quick access | ۹ |
| Google | Desktop * ^ VFrequent folders (4) | | |
| | Downloads | Documents Pictures | and the second second |
| S3 | This PC | This PC This PC | |
| S3 Browser | Pictures # | | |
| | ✓ This PC ✓ Recent files (1) | | |
| | DxDiag rec1 | Data (E:) | and the second second second second |
| 2 | > 🗟 Documents | | |
| VLC media player | > 🦊 Downloads | | |
| | > b Music | | CONTRACTOR OF |
| | > E Pictures | | |
| WinSCP | > E local Disk (C) | | |
| | > Data (E:) | | |
| | > 🛨 milestone (\\red | | |
| | > 👳 milestone (\\red | | |
| | > 🔜 Data (E:) | | |
| 1 | V I Collapse | | |
| | > P NE Open in new window | | |
| | 5 items Pin to Quick access | | |
| | Pin to Start | | |
| | Disconnect network drive | | |
| | Delete | | |
| | Properties | | Windows Server 2019 Standard Evaluation Windows License is expired |
| | | | Build 17763.rs5 release.180914-1434 |



Step 3:

Select "Browse" to locate the path that was created earlier and click "Finish"

| 🗖 🗹 📑 🖛 File Explorer | | | _ | |
|---------------------------|---|------|---------------------|-------|
| File Home Share View | | | | ~ 🕐 |
| ← → ✓ ↑ ★ > Quick access | | × ×ċ | Search Quick access | Q |
| Downloads * ^ Vereguent t | | | | |
| 😫 Documents 🖈 | | | | |
| 📰 Pictures 🖈 | What network folder would you like to map? | | Pictures This PC | |
| This PC | Specify the drive letter for the connection and the folder that you want to connect to: | | <u>у</u> | |
| 3D Objects | specify the drive letter for the connection and the forder that you want to connect to. | | | |
| Desktop | Drive: X: ~ | | | |
| Documents DxE | | | | |
| 🕂 Downloads | \\reddotfbs\milestone | | | |
| 👌 Music | cxample: \\server\snare | | | |
| E Pictures | Reconnect at sign-in | | | |
| 🚆 Videos | Connect using different credentials | | | |
| 🏪 Local Disk (C:) | Connect to a Web site that you can use to store your documents and pictures. | | | |
| 📥 Data (E:) | | | | |
| 🛫 milestone (\\red | | | | |
| 🛫 milestone (\\red | | | | |
| — Data (E·) | | | | |
| | Finish Ca | ncel | | |
| i Network | | | | |
| NBU-MASTER | | | | |
| 💻 tsclient 🗸 🗸 | | | | |
| 5 items | | | | 8== 📰 |

You have now successfully verified the Milestone Recording Server 🔽