

Is there an SIS report for DFM

[bader@cchmc.org](#) 24 posts since

Mar 20, 2009

I need to present a SIS savings report to management every week. I am looking in the DFM reports and don't see it. Has anyone come across one?

Thanks

Bob

[Raja Shekar](#) 109 posts since

Mar 9, 2008 1. **Re: Is there an SIS report for DFM** Jul 10, 2009 11:26 AM

Hi,

Deduplication space savings reports are available in Operations Manager 3.8 release.

Thanks,

Raj.

[ewilts_mc](#) 6 posts since

Jul 16, 2008 2. **Re: Is there an SIS report for DFM** Jul 10, 2009 11:39 AM

Is there an approximate date for the release of 3.8?

[smoot](#) 63 posts since

Is there an SIS report for DFM

Mar 19, 2008 3. Re: Is there an SIS report for DFM Jul 10, 2009 11:48 AM

About a month ago.

bader@cchmc.org 24 posts since

Mar 20, 2009 4. Re: Is there an SIS report for DFM Jul 10, 2009 11:43 AM

Raj,

What about in 3.7? IS 3.8 out yet?

Thanks

Bob

[Raja Shekar](#) 109 posts since

Mar 9, 2008 5. Re: Is there an SIS report for DFM Jul 10, 2009 11:56 AM

In 3.8, you can use "Volume Space Savings - Deduplication and LUN/File Clones" report under Logical Objects > Volumes, "Aggregate Space Savings - Deduplication and LUN/File Clones" under Physical Objects > Aggregates,

"Volume Capacity Used vs Total" graph also shows deduplication space savings.

These are not available in 3.7.

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Thanks,

Raj.

[marlon](#) 24 posts since

Mar 19, 2008 6. **Re: Is there an SIS report for DFM** Jul 10, 2009 11:55 AM

Looks like there are three reports available from the CLI

dfm reports list | grep -i dedup

aggregates-dedupe-and-lun-file-clones-space-savings deduplication and LUN/File clone space savings report for all aggregates

volumes-dedupe-and-lun-file-clones-space-savings deduplication and LUN/File clone space savings report for all volumes

groups-dedupe-and-lun-file-clones-space-savings deduplication and LUN/File clone space savings report for all volumes in a group

The reports are also available from the WebUI, under the appropriate object reports.

I found the volumes-de.... report under ControlCenter->Home->MemberDetails->FileSystems

-Marlon

[bader@cchmc.org](#) 24 posts since

Mar 20, 2009 7. **Re: Is there an SIS report for DFM** Jul 10, 2009 12:46 PM

Marv,

Is there an SIS report for DFM

What version and platform are you on? Since your command had grep I am assuming Linux.

I am on Windows running DFM 3.7 below are the reports I see from command - No dedup listed. Also I do not see that in the GUI and I need to be able to get this from the reports section so I can email me the report weekly.

Bob

Y:\>dfm reports list

Available reports are

groups	all groups
groups-comments	all groups with comments
group-members	group members, this group
group-members-recursive	group members, recursive
appliances	summary of all appliances
appliances-deleted	list of deleted appliances
appliances-snmp-disabled	list of snmp disabled appliances
appliances-compact	compact summary of all appliances
appliances-comments	compact summary of all appliances with user comments

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appliances-down appliances which are not responding to ping

appliances-environmentals environmentals for each appliance

appliances-interfaces network interface status for each appliance

appliances-locations IP address and location for each host

appliances-releases appliances along with their version of Data ONTAP

appliances-thresholds thresholds for all appliances

appliances-up appliances which are currently responding to ping

appliances-uptime how long each appliance has been up

clusters all active/active controllers

filers all storage systems

filers-capacity storage systems with their total used and available
space

filers-releases storage systems along with their version of Data ONT

AP

filers-ops storage systems and operations per second

filers-protocols storage systems and licensed protocols

multistores List of multistores and vFiler counts

storage-system-performance-summary performance summary of storage system

storage-system-NAS-performance-summary NAS performance summary of storage system
em

storage-system-SAN-performance-summary SAN performance summary of storage system

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ems

caches	all NetCache appliances
caches-releases	NetCache appliances along with their version of Data

ONTAP

caches-ops	NetCache appliances and ops/sec
caches-protocols	caches and licensed protocols
caches-http	NetCache HTTP proxy performance
caches-ftp	NetCache FTP proxy performance
caches-nntp	NetCache NNTP proxy performance
caches-streaming	NetCache Streaming performance
fc-links-logical	logical connections between storage systems and SAN

hosts

fcp-targets-all	FCP targets for each storage system
hba-ports	list of all SAN host HBA ports (FCP and iSCSI)
hba-ports-fcp	list of all SAN host FCP HBA ports
hba-ports-iscsi	list of all SAN host iSCSI HBA ports
host-roles	summary of all roles on hosts
host-usergroups	summary of all usergroups on hosts
host-users	summary of all users on hosts
host-local-users	summary of all local users on hosts
host-domain-users	summary of all domain users on hosts
san-hosts-comments	summary of all SAN hosts with comments

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san-hosts	summary of all SAN hosts
san-hosts-fcp	summary of all FCP SAN hosts
san-hosts-iscsi	summary of all iSCSI SAN hosts
san-hosts-deleted	list of deleted SAN hosts
san-hosts-traffic-fcp	FCP traffic on SAN hosts
san-host-cluster-groups	list of SAN Host Cluster Groups
san-host-luns	list of all SAN Host LUNs
san-host-luns-iscsi	list of all SAN Host iSCSI LUNs
san-host-luns-fcp	list of all SAN Host FCP LUNs
streaming-global	Shows global streaming activity from a per-cache vie

w.

streaming-content	Shows detailed streaming content in a group.
streaming-client	Shows detailed streaming clients information.
aggregates	summary of all aggregates
aggregates-deleted	list of deleted aggregates
aggregates-comments	compact summary of all aggregates with user comments
aggregates-compact	compact summary of all aggregates
aggregates-snaplock	summary of all SnapLock aggregates
aggregates-raid	raid and mirroring information for aggregates
aggregates-capacity	capacity utilization of all aggregates
aggregates-thresholds	thresholds for all aggregates

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aggregates-snapshot-thresholds snapshot thresholds for all aggregates
aggregates-available aggregates with free space
aggregates-committed space commitment allocation of all aggregates
aggregates-growth-rates rate of growth of aggregates over time
aggregates-snapshot-capacity capacity being used by snapshots on aggregates
aggregate-space-summary summary of space allocated to the aggregates
aggregates-performance-summary performance summary of aggregate
file-systems summary of all volumes and qtrees
file-systems-deleted list of deleted volumes and qtrees
file-systems-compact compact summary of all volumes and qtrees
volumes summary of all volumes
volumes-snaplock summary of all SnapLock volumes
volumes-deleted list of deleted volumes
volumes-comments compact summary of all volumes with user comments
volumes-clone-list summary of all volumes with clone listings
volumes-compact compact summary of all volumes
volumes-capacity capacity report for all volumes
volumes-available volumes with free space
volumes-quota-committed display of volume quota committment
volumes-growth-rates rate of growth of volumes over time
volumes-expandability how much space could be added to volumes
volumes-chargeback-this-month volume chargeback by usage for this month

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volumes-chargeback-last-month volume chargeback by usage for last month

volumes-chargeback-allocation-this-month volume chargeback by allocation for this month

volumes-chargeback-allocation-last-month volume chargeback by allocation for last month

volumes-snapshot-counts Number of snapshots in volume

volumes-snapshot-growth rate of growth of volumes over time

volumes-snapshot-details Details of snapshots on volumes

volumes-snapshot-policies Snapshot Policies on volumes

volumes-snapshot-autodelete Snapshot Policies on volumes

volumes-autosize-details Autosize Details of volumes

volumes-first-snapshot Space used when taking the first snapshot

volumes-first-snapshot-percent Space used when taking the first snapshot

volumes-overwrite-rate overwrite rate on volumes

volumes-space-reservation Space reservations on volumes

volumes-space-guarantees Space reserved but not used yet

volumes-space-guarantees-percent Space reserved but not used yet

volumes-thresholds thresholds for all volumes

volumes-snapshot-capacity capacity report for all snapshot areas

volumes-snapshot-thresholds thresholds for all snapshot areas

volumes-first-snapshot-thresholds thresholds for first snapshots

volumes-space-reservation-thresholds thresholds for space reservations

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volumes-performance-summary performance summary of volume

volumes-NAS-performance-summary NAS performance summary of volume

volumes-SAN-performance-summary SAN performance summary of volume

qtrees summary of all qtrees

qtrees-deleted list of deleted qtrees

qtrees-comments compact summary of all qtrees with comments

qtrees-compact compact summary of all qtrees

qtrees-capacity capacity report for all qtrees

qtrees-available qtrees with free space

qtrees-growth-rates rate of growth of qtrees over time

qtrees-expandability how much space could be added to qtrees

qtrees-chargeback-this-month qtree chargeback by usage for this month

qtrees-chargeback-last-month qtree chargeback by usage for last month

qtrees-chargeback-allocation-this-month qtree chargeback by allocation for this month

qtrees-chargeback-allocation-last-month qtree chargeback by allocation for last month

qtrees-thresholds thresholds for all qtrees

qtrees-performance-summary performance summary of Qtree

users summary of all users

users-comments summary of all users with comment fields

users-quotas-total how much space a user is consuming

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users-quotas-total-graph how much space a user is consuming

users-quotas-growth-total rate at which user is consuming space

users-quotas-thresholds thresholds for notifying administrators about quota problems

users-chargeback-this-month user chargeback by usage for this month

users-chargeback-last-month user chargeback by usage for last month

users-chargeback-allocation-this-month user chargeback by allocation for this month

users-chargeback-allocation-last-month user chargeback by allocation for last month

user-quotas summary of all user quotas

user-quotas-graph graphs for of all user quotas

user-quotas-growth rate at which quota usage is growing

user-quotas-thresholds thresholds for notifying administrators about quota problems

groups-appliances number of appliances in each group

groups-bytes-usage bytes of space used for each group

groups-chargeback-this-month group chargeback by usage for this month

groups-chargeback-last-month group chargeback by usage for last month

groups-chargeback-allocation-this-month group allocation chargeback for this month

groups-chargeback-allocation-last-month group allocation chargeback for last month

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onth

filers-chargeback-this-month Storage System chargeback by usage for this month

filers-chargeback-last-month storage system chargeback by usage for last month

filers-chargeback-allocation-this-month storage system chargeback allocation f
or this month

filers-chargeback-allocation-last-month storage system chargeback allocation f
or last month

luns-all summary of all LUNs

luns-comments summary of all LUNs with comment fields

luns-deleted list of deleted LUNs

luns-unmapped list of LUNs not mapped to an HBA port

luns-statistics shows LUNs with bytes read and written per second

luns-igroups shows LUN initiator groups

igroups shows initiator groups

luns-performance-summary performance summary of LUN

disks summary of all disks

disks-filer summary of disks attached to storage systems

disks-aggr summary of disks attached to aggregates

disks-cache summary of disks attached to NetCache appliances

disks-broken list of all failed disks

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disks-spare	list of all spare disks
disks-500	list of all 500 GB disks
disks-320	list of all 320 GB disks
disks-300	list of all 300 GB disks
disks-250	list of all 250 GB disks
disks-144	list of all 144 GB disks
disks-136	list of all 136 GB disks
disks-72	list of all 72 GB disks
disks-36	list of all 36 GB disks
disks-18	list of all 18 GB disks
disks-9	list of all 9 GB disks
disks-4	list of all 4 GB disks
disks-2	list of all 2 GB disks
array-luns	List of array LUNs
spare-array-luns	List of spare array LUNs
array-luns-aggr	summary of array luns attached to aggregates
disks-performance-summary	performance summary of Disks
array-luns-performance-summary	performance summary of array LUNs
events	show current events
events-warning	show current warning or worse events
events-error	show current error or worse events
events-critical	show current critical or worse events

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events-emergency show current emergency events

events-unack show unacknowledged events

events-perf show current performance events

events-config-changes show current configuration changed locally events

events-history show all historic events

events-history-deleted show all deleted historic events

events-history-acked show all acknowledged historic events

events-history-perf show all historic performance events

role-admins roles by administrator, recursive

admin-roles administrators by role, recursive

user-quota-events show user quota events

snmp-traps-all show trap generated events

snmp-traps-information show trap generated events

snmp-traps-warning show trap generated events

snmp-traps-error show trap generated events

snmp-traps-critical show trap generated events

snmp-traps-alert show trap generated events

snmp-traps-emergency show trap generated events

scripts Scripts

script-schedules summary of all script schedules

script-schedules-enabled summary of enabled script schedules

script-schedules-disabled summary of disabled script schedules

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script-jobs summary of all script jobs

script-jobs-running summary of running script jobs

script-jobs-cancelled summary of cancelled script jobs

script-jobs-completed summary of completed script jobs

script-jobs-completed-success summary of script jobs that completed execution
without errors

script-jobs-completed-errors summary of script jobs that completed execution,
but with errors

vfilers summary of all vFilers

vfilers-deleted list of deleted vFilers

vfilers-compact compact summary of all vFilers

vfilers-comments summary of all vFilers with comments

vfilers-down vfilers not responding to ping

vfilers-up vfilers responding to ping

vfilers-nw-resources summary of vFilers and their IP Addresses

vfilers-protocols shows vFilers and their allowed protocols

vfilers-thresholds list of all vFilers and their CPU thresholds

vfilers-capacity capacity of vFilers

vfilers-storage-objects-capacity used capacity information of vfiler storage o
bjects

vfilers-chargeback-allocation-last-month chargeback allocation for last month
for vfilers

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vfilers-chargeback-allocation-this-month chargeback allocation for this month
for vfilers

vfilers-chargeback-last-month chargeback by usage for last month for vfilers

vfilers-chargeback-this-month chargeback by usage for this month for vfilers

data-sets Data Sets

data-sets-application-data Data Sets

data-sets-comments Data Sets

data-sets-policy Data Sets

resource-pools Resource Pools

resource-pools-comments Resource Pools

resource-pools-capacity Resource Pools

dp-policies DP Policies

vfiler-quota-jobs summary of all vFiler quota jobs

vfiler-quota-jobs-pending summary of all pending vFiler quota jobs

vfiler-performance-summary performance summary of vFilers

schedules summary of all schedules

report-schedules summary of all report schedules

report-schedules-enabled summary of all report schedules

report-schedules-disabled summary of all report schedules

report-outputs summary of all the report outputs

report-outputs-successful summary of all the successful report outputs

report-outputs-failed summary of all the failed report outputs

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test

testr

test

Y:\>

[marlon](#) 24 posts since

Mar 19, 2008 8. **Re: Is there an SIS report for DFM** Jul 10, 2009 12:51 PM

3.7 does not support the dedupe reports.

The reports are new with 3.8.

[bader@cchmc.org](#) 24 posts since

Mar 20, 2009 9. **Re: Is there an SIS report for DFM** Jul 10, 2009 1:00 PM

Ok,

Is there a way to have DFM run a command and send the out output as a report?
for example, I can run "df -s volname" from the command line and get the A-SIS savings. If I could setup DFM to run this command on my A-SIS volumes and mail me the output once a week, this would solve my issue.

Bob

[fenton](#) 118 posts since

Mar 14, 2008 10. **Re: Is there an SIS report for DFM** Jul 10, 2009 5:10 PM

Hey Bob,

Is there an SIS report for DFM

Yes you can do this via scripting if you wish but if you look in Scheduled Reports this function is in Operations Manager natively;

Click Reports > Schedule

Then Add a Schedule (select the report you want, frequency, format and the email address you want to send it to and then you should be good to go

Note you'll need to setup a SMTP gateway for OpsMgr to send it's emails to, you'll find this under:

Setup > Options > Events and Alarms > Mail Server

(you may also want to check that you MailServer will relay emails sent to it from the DFM server)

Hope this helps

Rich

bader@cchmc.org 24 posts since

Mar 20, 2009 11. **Re: Is there an SIS report for DFM** Jul 13, 2009 5:01 AM

Rich,

Thanks for the info, However I am already doing reports emailed daily. It appears the A-SIS report is not in DFM 3.7 but is there in 3.8, unless you know something different. I can run an a-sis command from the command line. Have you seen a way to have DFM run the command and send the output? Is that what you are referring to when you say scripting, or

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do you mean writing a script on the box? I want to avoid that scenerio, because I don't want to write and manage scripts for each filer.

Thanks

Bob

[fenton](#) 118 posts since

Mar 14, 2008 12. Re: **Is there an SIS report for DFM** Jul 15, 2009 3:18 AM

Hi Bob,

Correct ASIS reports were only added in 3.8;

You could perform "Run Command" on set of filers to run "df -s" but that is going to be pretty clunky and will require scripting - any reason why you can't qualify and upgrade to 3.8 ?

Cheers

Rich