Capacity Reports

For analyzing and monitoring capacity consumption

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storageReport.ps1

This script generates HTML and CSV showing storage per job and per view

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Storage Report for VE3

2/20/2021 9:22:53 AM

Job/View Name	Environment	Local/Replicated	GiB Logical	GiB Ingested	GiB Consumed	Dedup Ratio	Compression	Reduction
VE3 Active Directory	AD	Local	120.02	59.03	18.35	1.4	2.4	6.5
VE3 Azure CSM	AzureSnapshotManager	Local	62	0	0	0.1	1	677205.4
VE3 CAD Isilon SMBShare	Isilon	Local	0	0	0	0	0	0
VE3 CAD NetApp Vol2	Netapp	Local	0	0	0	0	0	0
VE3 Infrastructure	VMware	Local	1958.2	28.77	10.46	1.1	2.5	187.2
VE3 Oracle	Oracle	Local	38.78	12.49	2.03	1.2	5.2	19.1
VE3 SQL	SQL	Local	1.54	0.38	0.02	2.2	10.6	93
VE3 VMs	VMware	Local	56	4	0.65	1.5	4.1	86.7
InsightDocs	View	Local	0.05	0.05	0.04	1	1.1	1.1
VE2 Infrastructure	VMware	Replicated	1344	75.76	25.37	1.4	2.2	53
VE2 MyDocs backup	View	Replicated	0.28	0.28	0.25	1	1.1	1.1
VE2 MyScripts backup	View	Replicated	0.23	0.23	0.2	1	1.1	1.1
VE2 MyTools backup	View	Replicated	1.95	1.95	1.92	1	1	1

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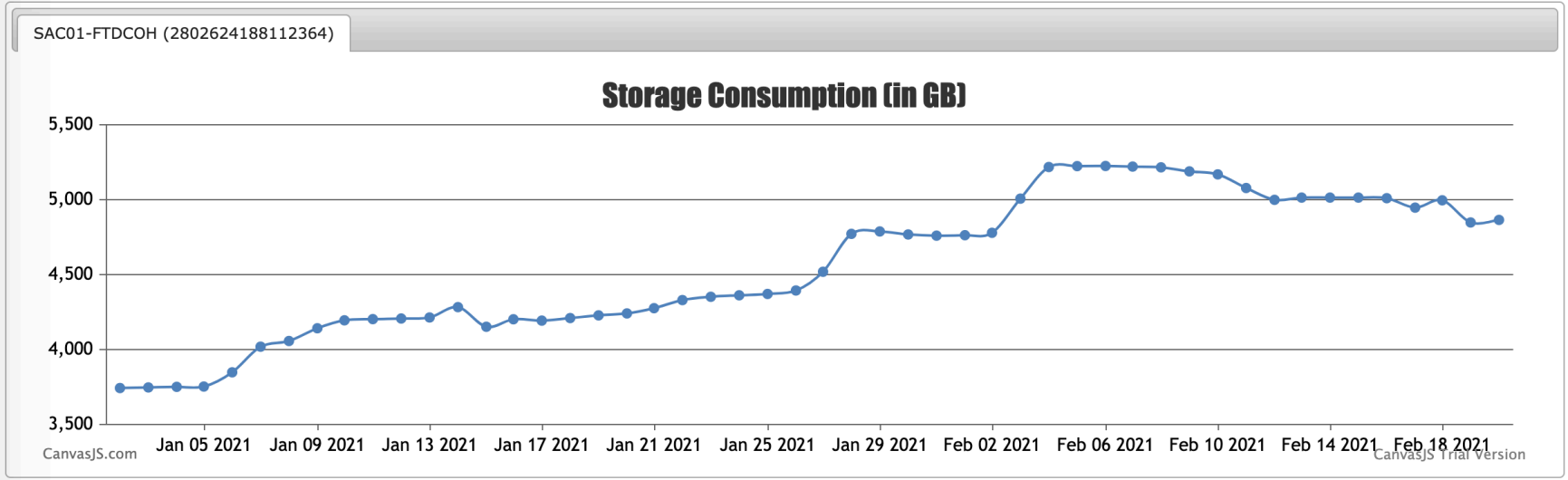
storageChart.ps1

This script generates HTML showing cluster storage consumption over time



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frontEndCapacityReport.ps1

This script generates CSV output showing the front-end size of protected objects

	A	B	C	D	E
1	Job Name	Object Name	Object Type	Logical Size (MiB)	Unique Size (MiB)
2	VE2 File Linux	powercli.seltzer.net	PhysicalFiles	336.14	336.14
3	VE2 Infrastructure	Rsyslog	VMware	18,432.00	3,648.00
4	VE2 Infrastructure	w2016a	VMware	81,920.00	40,871.00
5	VE2 Infrastructure	vRouter	VMware	30,720.00	2,569.00
6	VE2 Infrastructure	PowerCLI	VMware	8,192.00	3,302.00
7	VE2 Infrastructure	Postgres	VMware	16,384.00	5,392.00
8	VE2 VMs	CentOS6b	VMware	4,096.00	4,096.00
9	VE2 Isilon	/ifs/share3	Isilon	202.1	202.1
10	VE2 Isilon	/ifs/share1	Isilon	413.81	413.81

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dataPerObject.ps1

This script generates CSV output showing the logical size and data read/written over the past X days.

	A	B	C	D	E	F	G
1	Job Name	Object Name	Logical Size	Read Last 24 Hours (MiB)	Read Last 7 Days (MiB)	Written Last 24 Hours (MiB)	Written Last 7 Days (MiB)
2	VE3 Active Directory	w2016.seltzer.net	61,438.00	0	37,016.50	0	1,689.55
3	VE3 Infrastructure	vCenter67	286,457.00	1,293.94	9,483.44	217.55	1,539.98
4	VE3 Oracle	oracle19a.seltzer.net	15.1	632.2	5,045.12	0	0
5	VE3 Oracle	oracle19b.seltzer.net	15.62	616.44	4,361.21	0	0
6	VE3 SQL	sql2016a.seltzer.net	224	224.52	1,571.78	0.08	0.69
7	VE3 VMs	CentOS6a	4,096.00	72.12	504.81	2.33	16.35
8	VE3 VMs	CentOS6b	4,096.00	71.81	502.94	2.13	15.96

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logicalUsage.ps1

This script generates a CSV file containing protected objects and views, sorted by logical size. The report provides insight into which objects contribute the most potential storage consumption.

	A	B	C
1	**Environment**	**Size(GB)**	**Name**
2	kView	15262.44	ora_sbt
3	kView	1362.9	ora_tde_sbt
4	kView	504.26	ISO_Datastore
5	kView	484.38	oraoim-restore
6	kVMware	384	prod-sa-hana-01
7	kPhysical	379.5	sqlwest2
8	kView	372.33	oraim
9	kView	319.66	cohesity_int_152977_17069
10	kView	319.66	cohesity_int_152989_17069
11	kView	306.48	ora_sbt_lock
12	kView	190.12	postgres-nfs
13	kView	156.69	hana-02
14	kView	124.39	hanasac
15	kView	95.09	sql_s3
16	kView	63.03	ora_nfs1
17	kView	63.03	ora_nfs1-Copy
18	kView	61.35	ora_com_nfs
19	kVMware	40	prod-sa-hana-studio-01
20	kView	32.29	sql_vdi

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viewGrowth.ps1

This script generates a CSV file containing views and their logical size over a range of X days, showing which are growing over time.

	A	B	C	D	E	F	G
1	**View Name**	**Start Size**	**Start (Formatted)**	**End Size**	**End (Formatted)**	**Growth**	**Growth (Formatted)**
2	_Oracle_SBT	2,061,238,272	1.9 GiB	2,061,238,272	1.9 GiB	-	0 B
3	Banecuador	1,056,425,613	1007.5 MiB	1,056,425,613	1007.5 MiB	-	0 B
4	clamav_test	-	0 B	-	0 B	-	0 B
5	cohesity_int_150685_17069	16,859	16.5 KiB	16,859	16.5 KiB	-	0 B
6	cohesity_int_152977_17069	343,230,389,283	319.7 GiB	343,230,389,283	319.7 GiB	-	0 B
7	cohesity_int_152989_17069	343,230,389,283	319.7 GiB	343,230,389,283	319.7 GiB	-	0 B
8	Cristie	-	0 B	-	0 B	-	0 B
9	CRM	1,056,425,613	1007.5 MiB	1,056,425,613	1007.5 MiB	-	0 B
10	deleteme1	1,056,425,613	1007.5 MiB	1,056,425,613	1007.5 MiB	-	0 B
11	etcdBackup	-	0 B	-	0 B	-	0 B
12	hana	5,688,850,135	5.3 GiB	5,688,850,135	5.3 GiB	-	0 B
13	hana-02	445,281,227	424.7 MiB	8,964,342,401,502	8348.7 GiB	8,963,897,120,275	8348.3 GiB
14	hanasac	22,766,446,066	21.2 GiB	137,668,717,312	128.2 GiB	114,902,271,246	107 GiB
15	hanasac2	-	0 B	-	0 B	-	0 B
16	Insight_Demo	313,676,134	299.1 MiB	313,676,134	299.1 MiB	-	0 B
17	insight_test	254,258	248.3 KiB	254,258	248.3 KiB	-	0 B
18	ISO_Datastore	500,421,876,357	466.1 GiB	541,449,102,915	504.3 GiB	41,027,226,558	38.2 GiB
19	Juicios	-	0 B	-	0 B	-	0 B
20	k8s_pv_hdd	-	0 B	-	0 B	-	0 B
21	k8s_pv_ssd	-	0 B	-	0 B	-	0 B
22	k8s-ssd	-	0 B	-	0 B	-	0 B
23	LTR_Archive	-	0 B	-	0 B	-	0 B
24	Mount-NAS_Jun_10_2020_9-33am	1,044,829,960	996.4 MiB	1,044,829,960	996.4 MiB	-	0 B

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heliosClusterStatus.ps1

This script generates HTML output with cluster health and storage stats for clusters connected to Helios.

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Helios Cluster Status

2/20/2021 7:45:47 AM

Cluster Name	Cluster Health	Logical Data (TiB)	Physical Used (TiB)	Physical Free (TiB)
FTDVE641C	normal	2 TiB	0.1 TiB	0.0 TiB
FTDVE650B	normal	0 TiB	0.0 TiB	0.2 TiB
FTDVE651B	normal	0 TiB	0.0 TiB	0.1 TiB
FTDVE651C	normal	1 TiB	0.0 TiB	0.1 TiB
SAC-CVE	normal	17 TiB	0.0 TiB	1.9 TiB
SAC01-FTDCOH	normal	762 TiB	4.7 TiB	103.7 TiB

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chargebackReport.ps1

This script generates HTML output showing the logical size of protected objects and an associated cost (note this is not accurate post-dedup consumption)

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VE2 (ALL) Chargeback Report (2021-01-20 - 2021-02-19)

2/20/2021 8:18:13 AM

Object Name	Size (GB)	Cost
/ifs/NFSMount	0	0
/ifs/SMBShare	0	0
/ifs/share1	0.4	0.4
/ifs/share2	0	0
/ifs/share3	0.2	0.2
CentOS6b	4	4
HomeTunnel	16	16
OpenVPN	8	8
Postgres	16	16
PowerCLI	8	8
Rsyslog	18	18
VPN	16	16
\\netapp7.seltzer.net\scripts	0	0

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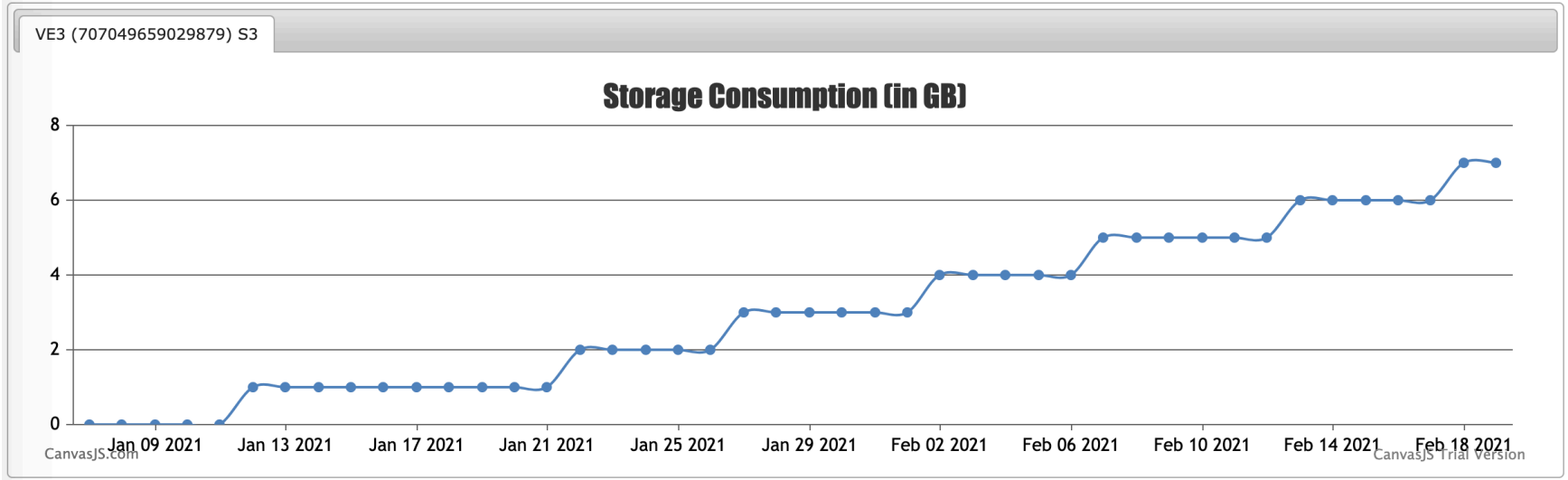
externalTargetStorageChart.ps1

This script generates HTML output showing storage consumption of an external target over time



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