



Synapse Data Profiling Assessments



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Often, it is difficult to determine how your business would be able to save money by storing data more efficiently via consolidation, data deduplication, storage optimisation, archiving or virtualisation.

What cost and operational savings can your business make by deduplicating data or archiving data to secondary, tertiary or even cloud-based storage?

How about reducing risk exposure and meeting compliance requirements by leveraging improved data protection?

Synapse Data Profiling Assessments provide intelligent data analysis and are designed to be a non-disruptive, time-efficient, and cost-effective way to assess the current state and performance of file systems and Microsoft Exchange environments. New enhancements to the tool also provide an opportunity to extract valuable reporting from your existing backup environment. The Data Deduplication Assessment is also a great way to understand the potential of deduplication for your data, while identifying redundant data stored across servers.

For consolidation and virtualisation initiatives, Synapse Server Consolidation Assessment delivers a critical insight into resource utilisation and the Storage Performance / Size Assessment will ensure your storage environment is optimised in terms of capacity, performance and cost for your business.

How do I get started?

The following diagram illustrates the available Data Profiling Assessment utilities. Data deduplication scans are required to run (scheduled via the Data Profiling tool) over multiple days in order to capture a good snapshot of data activity in your environment.

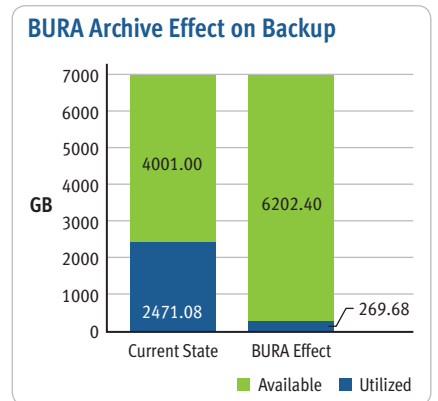
	Why	Setup Time	Scan Time	Customer Environment Requirements	Full Schedule Requirement (Start to Finish Reports)	System Impact	Results
File System Assessment	In-depth analysis of detail, targeted at archiving opportunities	30 minutes	Average 20 minutes/TB	1 dedicated server (physical or VM agentless)	2-3 days	Minimal	<ul style="list-style-type: none"> Last modified/accessed Growth
Exchange System Assessment	In-depth analysis of e-mail data, targeted at archiving opportunities	30 minutes	2-3 hours	1 dedicated server (physical or VM agentless)	2-3 days	Minimal	<ul style="list-style-type: none"> Growth Largest mailbox PSTs found
Data Deduplication Assessment	To look at deduplicated change rate and backup times; best assessment for benefits of deduplication	10 times per server analysed	3-7 days	1 dedicated server (physical or VM) If agents are being used, access to the servers being scanned is required	7-10 days	Will have the impact of a regular backup on the server being scanned	<ul style="list-style-type: none"> Dedupe rate Time of backup
Backup System Assessment	Provides a fast, detailed look at the backup environment with minimal effort	10 minutes	1 hour	Access to all backup servers being scanned	2-3 days	Minimal	<ul style="list-style-type: none"> Capacity, configuration and health
Server Consolidation Assessment	Accurately size your vmware environment in terms of cpu and memory and also plan for future growth	0.5 day	7 days - 1 month depending on business cycle	1 dedicated server	2-3 days	Minimal	<ul style="list-style-type: none"> CPU / Memory VMWare Host requirement
Storage Performance/Size Assessment	Accurately size the storage requirement reg space and performance giving you full confidence in our solutions	0.5 day	7 days - 1 month depending on business cycle	1 dedicated server	2-3 days	Minimal	<ul style="list-style-type: none"> Storage Size mb/gb Storage Performance IOPS

Data Profiling Assessment benefits



File System Assessments (FSAs)

File System Assessments examine the metadata of your file environments. The tool helps articulate the value of archiving and helps discover important information about your data (for example, the types of files and the amount of data you have, the average age of data to enable an archive strategy, etc.). FSAs are an excellent starting point for any backup and archive strategy discussion.



Exchange System Assessment (ESA)

As with FSAs, ESAs provide valuable insight into Microsoft Exchange environments. ESAs are useful in determining how much e-mail (by user) is being managed and can help determine policies for archival of e-mail. ESAs are also helpful in projecting growth and point out key management aspects of the Microsoft Exchange environment, including PST files and attachment data.

Name	Msg Count	Total Storage (MB)	0-30 Days Storage	31-60 Days Storage	61-120 Days Storage	Greater than 120 Days Storage	Greater than 120 Days Storage (%)
Cdailey	6,178	355.06	0.02	0.81	227.32	126.91	36%
Rpilgrim	10,881	635.03	129.11	55.70	136.19	314.03	49%
Nichols	6,598	469.28	146.69	63.25	73.61	185.73	40%
Dswayne	1,817	213.92	96.71	57.64	10.21	49.36	23%
Spartridge	3,350	414.91	230.53	128.23	17.05	39.09	9%
Jestes	7,331	483.17	133.37	73.07	222.97	53.77	11%
Wjones	2,071	488.89	307.59	143.48	7.89	29.93	6%
Rcipriano	3,137	278.90	72.57	55.40	26.91	124.01	44%
Hcorley	1,679	236.76	119.49	58.57	18.85	39.85	17%
Dwoodroffe	3,725	509.24	230.23	138.88	34.74	105.39	21%



Data Deduplication Assessment

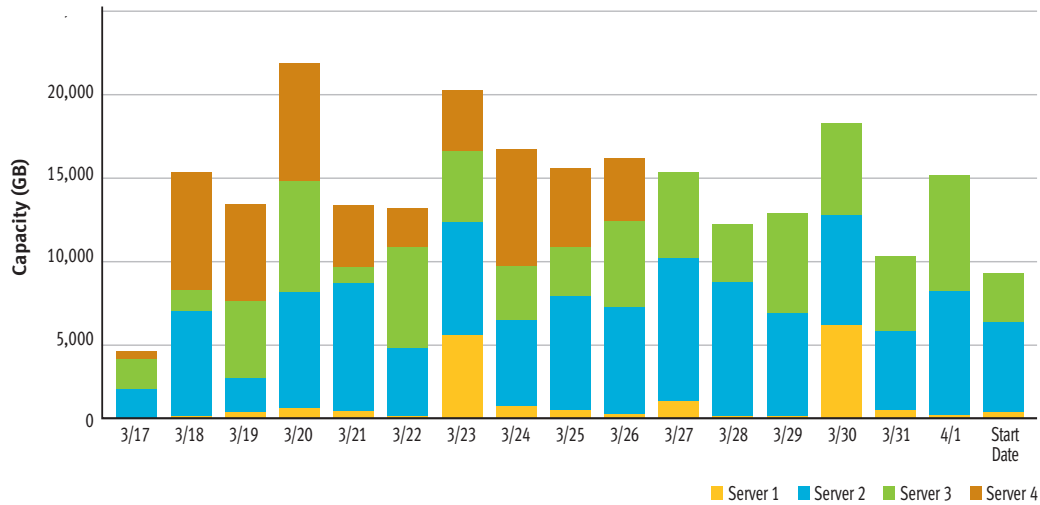
Data Deduplication Assessments can assist you in better understanding the benefits you'll realize with data deduplication-enabled systems. This scan analyzes data as if it is backing it up and provides statistics on deduplication ratios, the amount of data moved, and backup time. Remember, various types of data can deduplicate in a different manner, so it is important to understand the data in your environment to ensure the proper sizing and expectation of performance of the solution you select.

Server	Object	Date	Time	# of Files Scanned	Size of all Files Scanned	New Files	New Bytes	% New Data	Duration	% Common	Ratio X:1
r04626	W:	4/19/2009	13:49:19	1,228,282	1,868 GB	1,228,269	1,498 GB	80.19%	73h:19m:28s	19.81%	1
r04626	W:	4/23/2009	13:19:37	1,221,911	1,922 GB	358,887	545.5 GB	28.38%	28h:34m:48s	71.62%	4
r04626	W:	4/24/2009	1:30:03	1,155,503	1,873 GB	3,636	9.097 GB	0.49%	03h:05m:13s	99.51%	204
r04626	W:	4/24/2009	11:53:15	1,155,521	1,873 GB	34	51.70 MB	0.00%	03h:08m:23s	100.00%	Infinity
r04626	W:	4/25/2009	11:45:36	1,156,901	1,881 GB	1,931	6.941 GB	0.37%	03h:00m:44s	99.63%	270
r04626	W:	4/26/2009	11:09:20	1,156,912	1,881 GB	16	7.981 MB	0.00%	02h:24m:28s	100.00%	Infinity
r04626	W:	4/27/2009	11:40:23	1,156,942	1,881 GB	123	38.73 MB	0.00%	02h:56m:45s	100.00%	Infinity
r04626	W:	4/28/2009	11:56:55	1,156,213	1,879 GB	1,363	5.863 GB	0.31%	03h:12m:03s	99.69%	323
r04626	W:	4/29/2009	12:07:11	1,156,777	1,881 GB	1,063	3.720 GB	0.20%	03h:32m:06s	99.80%	500



Backup System Assessment

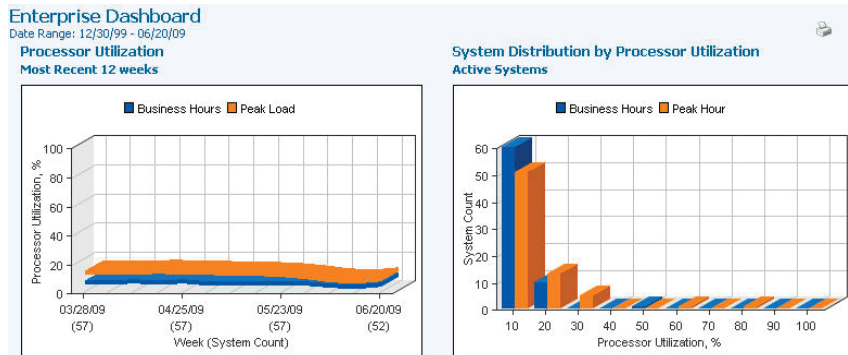
EMC's Backup System Assessment is a collection of scripts designed to extract data from your backup server and provide advanced reporting and statistics about the performance of your backup environment. Scripts can run on a multitude of backup systems, including EMC, Symantec, HP, CommVault, and IBM. The assessment results provide insight into how backups are performing, the amount of data being backed up, backup target statistics, and many more important data points.



Server Consolidation Assessment (SCA)

Synapse Server Consolidation Assessment enables comprehensive virtualisation and system consolidation assessments. These assessments will help you make smart decisions when consolidating your datacenter or desktop infrastructure, redeploying strategic IT assets and optimising workload capacity utilisation.

Designed for agent-less implementation, SCA rapidly collects infrastructure data and provides improved visibility of heterogeneous, complex IT environments while delivering critical insights into resource utilisation for driving intelligent infrastructure capacity decisions.



Storage Performance Assessment (SPA)

SPA is used as a business analysis, planning and decision support tool to direct the key phases within an infrastructure assessment. It provides you with detailed knowledge of your existing storage environment to ensure ongoing capacity optimisation and utilisation.

This information can be leveraged for comparative analysis and benchmarking to help guide system consolidation and capacity optimisation decisions for the enterprise.

Terms and Conditions including

These services are able to be partially or fully refundable against future purchases. The services are available to qualifying businesses.

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Take the next step

To learn more about how our Data Profiling Assessments can help you gain a better understanding of your environment and thus save time and money contact your local Synapse sales representative by calling +44 (0)330 660 0001, or visit our website at www.SYNAPSECN.com.