



q

Backup / Disaster Recovery

BDR Needs Analysis

My BDR Prospect
MyCo IT
05-Jan-2023



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Scan Date: 05-Jun-2022

Table of Contents

01	Your Environment
02	Risk Score
03	Issues Summary
04	Initial Backup Requirements
	4.1 - Complete Environment
	4.2 - Minimal Set (Critical Systems Only)
05	Recommended BDR Solution
06	Existing Backup Solution
07	Recovery Time Calculator
08	Network Speed Test
09	Server Summary
10	Workstation Summary
11	Cloud Services
12	SQL Servers
13	On-Premises Exchange Servers

1 - Your Environment

Employees	57
Active Users	69
Total Computers	56
Servers	16
Workstations	40
Critical Systems	56
Servers	16
Workstations	40
SQL Server	Yes
Cloud Based Apps	Yes
On-Premises Exchange	Yes
Sample Bandwidth	22.52 Mb/s
Speed	55.84 Mb/s

2 - Risk Score

The Risk Score is a value from 0 to 100, where 100 represents significant risk and potential issues.



Several critical issues were identified. Identified issues should be investigated and addressed.

3 - Issues Summary

This section contains a summary of issues detected during the Network Assessment process, and is based on industry-wide best practices for network health, performance, and security. The Overall Issue Score grades the level of issues in the environment. An Overall Issue score of zero (0) means no issues were detected in the environment. It may not always be possible to achieve a zero score in all environments due to specific circumstances.

Overall Issue Score

Current  35

Weighted Score: Risk Score x Number of Incidents = Total points: Total percent (%)

22 Critical servers not backed up (11 pts each)

Current Score: 11 pts x 2 = 22: 62.86%

Issue: Servers identified as critical to the operation of your business are not being backed up.

Recommendation: Add all critical servers to the current backup set. Implement a backup disaster recovery system if one does not exist and ensure these systems are included in the backup set.

6 On-Premises Exchange Server not backed up (6 pts each)

Current Score: 6 pts x 1 = 6: 17.14%

Issue: 1 On-Premises Exchange Servers are not included in the current backup set.

Recommendation: Include the specified Exchange Servers in the current backup set.

4 Recent backup failures (4 pts each)

Current Score: 4 pts x 1 = 4: 11.43%

Issue: Indications of recent backup failures or errors with the backup have been found while reviewing the current systems backup logs.

Recommendation: Immediately correct or implement a reliable backup and recovery solution to ensure business and data continuity.

3 Significantly aged hardware (3 pts each)

Current Score: 3 pts x 1 = 3: 8.57%

Issue: 1 computer was found with significantly aged hardware. Older hardware typically has a higher risk of failure.

Recommendation: Upgrade or replace computer with aged hardware to ensure the highest level of reliability.

4 - Initial Backup Requirements

4.1 - Complete Environment

Total Used Disk Space	19,658 GB
Total Disk Space	45,268 GB
Total Servers	16
Total Server Partitions in Backup	20
Total Workstations	40
Total Workstation Partitions in Backup	40
Est. Initial Internet Transfer Time	243 hours*

*For the initial cloud backup, we recommend using Datto's free Round trip see drive service.

4.2 - Minimal Set (Critical Systems Only)

Total Used Disk Space	9,658 GB
Total Disk Space	15,268 GB
Total Servers	16
Total Server Partitions in Backup	20
Total Workstations	40
Total Workstation Partitions in Backup	40
Est. Initial Internet Transfer Time	243 hours*

5 - Recommended BDR Solution

Complete Environment



Device Requires Customization
Please contact your Sales Rep

DATTO SIRIS benefits:

- Powerful local and cloud disaster recovery
- Protection for virtual and physical environments
- Hybrid on-premises and cloud-based solution with flexible virtualization options for demanding workloads
- Reliable hardware by world's leading manufacturer
- Image-based backups integrated with the cloud
- Flat-fee all-in-one subscription with available free hardware
- Industry-leading RPO (Recovery Point Objective) and RTO (Recovery Time Objective)

Minimal Set (Critical Systems Only)



Models: S5-36
Capacity: 36TB
Cloud Storage: Unlimited

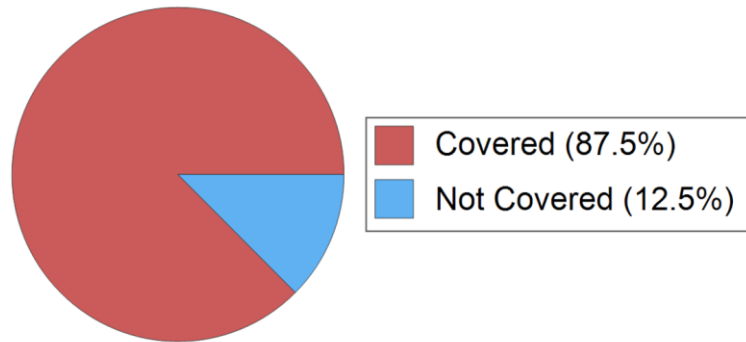
DATTO SIRIS 5 36TB benefits:

- Powerful local and cloud disaster recovery with Dual Xeon CPUs in 1U form factor
- Protection for virtual and physical environments
- Hybrid on-premises and cloud-based solution with flexible virtualization options
- Industry-leading RPO (Recovery Point Objective) and RTO (Recovery Time Objective)
- Reliable hardware by world's leading manufacturer
- Image-based backups integrated with the cloud
- 1U rackmount for easy installation
- Remote management with IPMI and iDRAC Enterprise
- Flat-fee all-in-one subscription with available free hardware

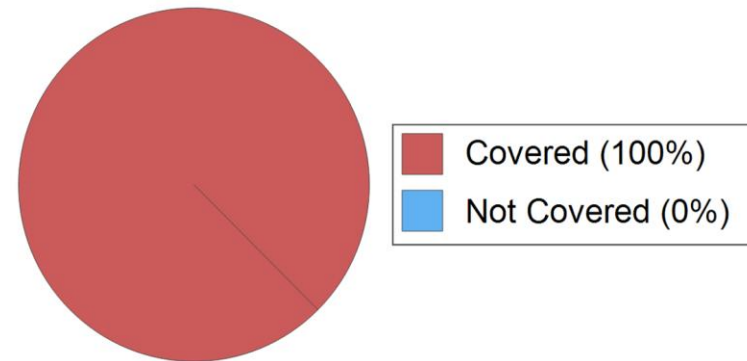
Datto's BDR appliance recommendations are based on a 2x multiplier of used data requiring protection, while also allowing for growth beyond that. In some situations, based on the number of protected servers and their network role, a 2.5x or 3x multiplier may be required. Please be advised and review with your Datto Sales Representative for additional options and suggestions.

6 - Existing Backup Solution

Server Coverage



Workstation Coverage



Current Backup Solution

Last Successful Backup

Total Workstations

Total Servers

StorageCraft

>2 weeks ago

40

16

7 - Recovery Time Calculator

This calculator helps evaluate if your recovery time and recovery point objectives are being met.

RECOVERY OBJECTIVES

Recovery Time Objectives 2.5 hr.

How much time can your business go without accessing its critical systems/servers?

Recovery Point Objectives 2.5 hr.

How much production time on those servers are you willing to lose?

RECOVERY PROCESS

How much data is on your critical business systems? 9657.89 GB

How often do you currently backup these systems? Every 160 Recovery Point Objectives

How long does it take to initiate your recovery process? 1.5 hr.

Are you recovering data from a local network or the cloud? Cloud

RECOVERY PROCESS

How many employees would be affected if the critical systems failed? 39 employees

What is the average wage of an employee using these systems? \$22.50/hr.

RESULTS

RECOVERY PROCESS

CRITICAL SYSTEM DATA: 19657.89 GB

TIME BETWEEN BACKUPS: 160 HOURS

RECOVERY PROCESS START: 1.5 HOURS

ESTIMATE DOWNTIME: 62 DAYS 3 HOURS 5 MINUTES

DOWNTIME COSTS

EMPLOYEES AFFECTED: 39

AVERAGE WAGE: \$22.50/HR

OVERHEAD COSTS: \$11.25/HR

REVENUE LOST: \$125/HR

TOTAL COST: \$1013.75/HR

TOTAL COST TO BUSINESS

\$1,511,589.81

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What is the overhead cost of these employees? \$11.25/hr.

What is the revenue generated per hour of these employees? \$125/hr.

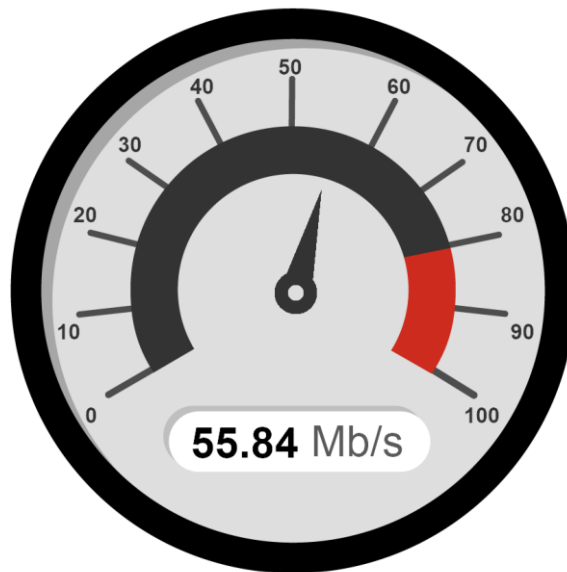
RECOVERY TIME OBJECTIVE **NOT MET**

RECOVERY POINT OBJECTIVE **NOT MET**

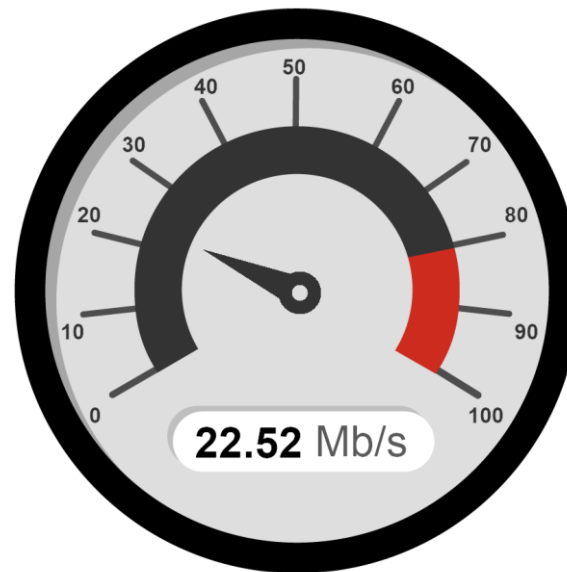
8 - Network Speed Test

This section displays upload and download speed from various locations world-wide. The tests were performed at a particular point in time and may be affected by current network conditions.

Download Speed: **55.84 Mb/s**



Upload Speed: **22.52 Mb/s**



9 - Server Summary

Only active servers where disk partitions were detected are listed. These are servers which were on at the time of the scan or have reported to Active Directory within the past 30 days.

Critical Servers

COMPUTER NAME	IP ADDRESS	PHYS / VIRT	SERVER ROLE	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
CERTEXAM	10.0.6.110	Virtual	File and Storage Services Remote Desktop Services Web Server (IIS)	23	Windows Server 2019 R2 Standard	1	1	2.13	C:	126	13
DC03	10.0.1.3 10.0.1.23 10.0.1.4	Virtual	AD Domain Services DHCP Server DNS Server File and Storage Services Print and Document Services Remote Desktop Services	29	Windows Server 2019 R2 Datacenter	1	1	2.40	C:	126	20
DEVSERV	10.0.1.16	Virtual	Application Server File And Storage Services Web Server (IIS)	31	Windows Server 2019 Standard	8	1	2.13	C:	512	195
DEVSERVBUILD	10.0.6.67	Virtual	File and Storage Services	19	Windows Server 2019 R2 Standard	4	1	2.13	C:	123	35
									X:	4	0

COMPUTER NAME	IP ADDRESS	PHYS / VIRT	SERVER ROLE	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
FILE2012-1	10.0.1.41	Physical	File and Storage Services	27	Windows Server 2019 R2 Standard	8	1	1.86	C:	128	16
									H:	12909	5486
HV00	10.0.1.100	Physical	File and Storage Services Hyper-V	23	Windows Server 2019 R2 Datacenter	64	2	2.13	C:	128	79
									H:	3596	2967
HV02	10.0.1.123 10.0.1.121 10.0.1.122	Physical	File and Storage Services Hyper-V	30	Windows Server 2019 R2 Standard	64	2	2.13	C:	128	82
									H:	3596	2195
HV04	169.254.185.30 10.0.6.108 10.0.6.105 10.0.6.100 10.0.1.104	Physical	File and Storage Services Hyper-V	23	Windows Server 2019 R2 Datacenter	64	2	2.13	C:	128	79
									H:	3596	2971
PS01	10.0.6.147	Virtual	File and Storage Services Print and Document Services	24	Windows Server 2019 R2 Standard	1	1	2.13	C:	59	30
QB01	10.0.6.142	Virtual	Web Server (IIS) File Services Remote Desktop Services	9	Windows Server 2019 R2	2	1	2.13	C:	127	53

COMPUTER NAME	IP ADDRESS	PHYS / VIRT	SERVER ROLE	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
					Enterprise						
									F:	127	24
STORAGE01	10.0.1.69	Virtual	Web Server (IIS) File Services Network Policy and Access Services Windows Deployment Services	65	Windows Server 2019 R2 Enterprise	6	1	2.13	C:	124	54
									D:	1739	1091
UTIL12	10.0.1.15	Virtual	File and Storage Services Network Policy and Access Services Remote Desktop Services Web Server (IIS)	27	Windows Server 2019 R2 Standard	1	1	2.13	C:	126	21
VPNGW	10.0.1.5	Virtual	File and Storage Services Remote Access Web Server (IIS)	21	Windows Server 2019 R2 Standard	1	1	2.13	C:	126	15
									20 Partitions	27528 GB	15426 GB

Other Servers

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COMPUTER NAME	IP ADDRESS	PHYS / VIRT	SERVER ROLE	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
									0	0	0
									Partitions	GB	GB

10 - Workstation Summary

Only active workstations where disk partitions were detected are listed. These are workstations which were on at the time of the scan or have reported to Active Directory within the past 30 days.

Critical Workstations

COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITIO N	TOTAL SPACE (GB)	TOTAL USED (GB)
EMPLOYEE1-PC	10.0.6.161	Physical	8	Windows 8.1 Pro	12	1	3.60	C:	127	106
								M:	804	11
EMPLOYEE2-LT	10.0.6.26	Physical	18	Windows 8.1 Pro	8	1	1.90	C:	675	49
								D:	22	20
EMPLOYEE3- INSPIRON	10.0.6.37	Physical	2	Windows 10 Pro	4	1	2.53	C:	232	25
BO-SANDBOX	10.200.2.3	Virtual	25	Windows 7 Enterprise	8	1	2.13	C:	80	16
BOBCAT	169.254.88.86 10.0.6.4	Physical	20	Windows 8 Enterprise	8	1	3.50	C:	232	213
								D:	1863	88
EMPLOYEE4	10.0.6.35	Physical	16	Windows 8.1 Enterprise	14	1	3.40	C:	128	99
								H:	511	296
								S:	293	0

COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITIO N	TOTAL SPACE (GB)	TOTAL USED (GB)
CONFERENCEROOM	10.0.6.55	Physical	4	Windows 10 Pro	4	1	2.90	C:	450	66
								Q:	44	44
EMPLOYEE5-PC	10.0.7.17	Physical	5	Windows 8.1 Enterprise	6	1		C:	127	73
								S:	469	0
EMPLOYEE6-GW	10.0.6.44	Virtual	34	Windows 7 Enterprise	1	1	2.13	C:	127	66
EMPLOYEE7-LT2	10.0.6.131	Physical	4	Windows 7 Professional	4	1	2.20	C:	454	54
ISTCORP-PC	10.0.7.123	Physical	31	Windows 8.1 Pro	4	1	2.20	C:	223	158
EMPLOYEE8-WIN8	10.0.7.44	Physical	31	Windows 8.1 Enterprise	12	1	2.70	C:	931	126
EMPLOYEE9-PC	10.0.6.81	Physical	4	Windows 10 Pro	3	1		C:	685	49
								D:	13	11
EMPLOYEE10-PC	10.0.6.14	Physical	1	Windows 10 Pro	8	1	3.40	C:	890	302
EMPLOYEE11-HP	10.0.7.95	Physical	27	Windows 8.1 Enterprise	8	1	2.90	C:	910	141
								D:	20	17
								E:	1397	118
EMPLOYEE12-WIN864	10.0.6.182	Physical	43	Windows 8 Enterprise	8	1	3.50	C:	476	143

COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITIO N	TOTAL SPACE (GB)	TOTAL USED (GB)
EMPLOYEE13-PC	10.0.6.9	Physical	10	Windows 8 Enterprise	12	1	3.20	C:	127	55
NOBELIUM	10.0.6.102	Physical	10	Windows 8 Enterprise	16	1	3.20	C:	127	74
PKWIN8-VM	10.0.6.136	Virtual	27	Windows 8.1 Pro	1	1	2.13	C:	126	30
EMPLOYEE14-PC	10.0.6.63	Physical	3	Windows 10 Pro	10	1	3.40	C:	890	349
EMPLOYEE15-WIN764	192.168.56.1 10.0.6.30	Physical	31	Windows 8.1 Enterprise	4	1		C:	913	215
EMPLOYEE16-WIN7TEST	10.0.6.144	Virtual	23	Windows 7 Professional	2	1	2.13	C:	127	89
RANCOR	10.0.6.97	Physical	36	Windows 8 Enterprise	8	1	3.50	C:	232	168
								D:	0	0
								E:	931	139
REX	10.0.6.112	Physical	7	Windows 8.1 Enterprise	8	1	3.50	C:	223	198
								D:	0	0
								E:	233	180
EMPLOYEE17	10.0.6.132	Virtual	6	Windows 10 Enterprise	6	1	2.13	C:	256	33
EMPLOYEE18-PC	10.0.7.49	Physical	1	Windows 10 Pro	8	1	3.10	C:	931	347
EMPLOYEE19-PC	10.0.6.52	Physical	10	Windows 8.1 Enterprise	12	1	3.60	C:	304	74

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COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITIO N	TOTAL SPACE (GB)	TOTAL USED (GB)
								D:	627	99
								40*	17739*	4231*
								Partitions	GB	GB

* GB

Other Workstations

COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITIO N	TOTAL SPACE (GB)	TOTAL USED (GB)
								0	0	0
								Partitions	GB	GB

11 - Cloud Services

Detected Cloud Service	Service Type	Systems
Salesforce	CRM	EMPLOYEE-INSPIRON,ISTCORP-PC, LONGSHORE-PC, EMPLOYEE-PC,RANCOR, EMPLOYEE7-PC
Office 365	Email	EMPLOYEE,ISTCORP-PC,ISTCORP-PC,ISTCORP-PC,ISTCORP-PC,EMPLOYEE-PC, LONGSHORE-PC, LONGSHORE-PC, EMPLOYEE7-PC, PSOLER-PC, EMPLOYEE6-WIN764, EMPLOYEE5-PC, EMPLOYEE4-PC, EMPLOYEE3-PC, EMPLOYEE2-PC

12 - SQL Servers

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Server Name	Instance	Version
EMPLOYEE01	PS01	
REMOTE	REMOTE	SQL Server 2000
STORAGE01	STORAGE01/SUNBELT	SQL Server 2005
EMPLOYEE1-PC	WILL-PC	
WILL-PC	WILL-PC/SQLEXPRESS	SQL Server 2014

13 - On-Premises Exchange Servers

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Exchange Server Name	Version
PIT-MIA-EXCHTKT	Exchange 2013
PIT-MIA-EXTEST	Exchange 2013