



Backup / Disaster Recovery

BDR Needs Analysis



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Prepared for: Client Company

Prepared by: Your IT Company

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1 - Your Environment

Employees	40
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 Speed	22.52 Mb/s 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  4540

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

3325 Critical workstations not backed up (95 pts each)

Current Score: 95 pts x 35 = 3325: 73.24%

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

Recommendation: Add all critical workstations 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.

900 Critical servers not backed up (100 pts each)

Current Score: 100 pts x 9 = 900: 19.82%

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.

90 Recent backup failures (90 pts each)

Current Score: 90 pts x 1 = 90: 1.98%

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.

80 On-Premises Exchange Server not backed up (80 pts each)

Current Score: 80 pts x 1 = 80: 1.76%

Issue: 2 On-Premises Exchange Servers are not included in the current backup set.

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

75 SQL Server not backed up (75 pts each)

Current Score: 75 pts x 1 = 75: 1.65%

Issue: 8 SQL Server Instances are not included in the current backup set. Backing up SQL Server Databases ensure protection against loss of data.

Recommendation: Include the specified SQL Server instance in the current backup set.

70 Significantly aged hardware (70 pts each)

Current Score: 70 pts x 1 = 70: 1.54%

Issue: 1 computers were 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	19,580 GB
Total Disk Space	44,907 GB
Total Servers	16
Total Server Partitions in Backup	20
Total Workstations	40
Total Workstation Partitions in Backup	39
Est. Initial Internet Transfer Time	242 hours

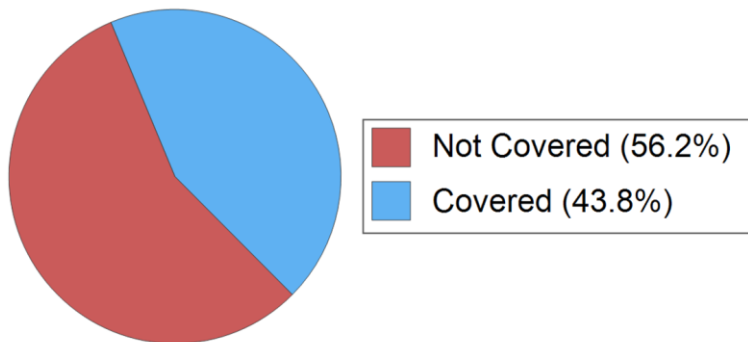


4.2 - Minimal Set (Critical Systems Only)

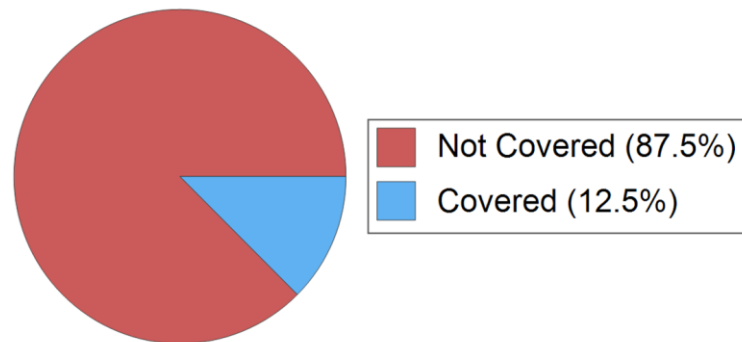
Total Used Disk Space	19,580 GB
Total Disk Space	44,907 GB
Total Servers	16
Total Server Partitions in Backup	20
Total Workstations	40
Total Workstation Partitions in Backup	39
Est. Initial Internet Transfer Time	242 hours

5 - Existing Backup Solution

Server Coverage



Workstation Coverage



Current Backup Solution	Mozy Carbonite
Last Successful Backup	>1 week ago
Total Workstations	40
Total Servers	16

6 - Recovery Time Calculator

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

RECOVERY OBJECTIVES

Recovery Time Objectives 4 hr.

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

Recovery Point Objectives 4 hr.

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

RECOVERY PROCESS

How much data is on your critical business systems? 19579.47 GB

How often do you currently backup these systems? Every 24 Recovery Point Objectives

How long does it take to initiate your recovery process? 1 hr.

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

RECOVERY PROCESS

How many employees would be affected if the critical systems failed? 23 employees

What is the average wage of an employee using these systems? \$17.50/hr.

RESULTS

RECOVERY PROCESS

CRITICAL SYSTEM DATA: 19579.47 GB

TIME BETWEEN BACKUPS: 24 HOURS

RECOVERY PROCESS START: 1 HOURS

ESTIMATE DOWNTIME: 2 DAYS 16 HOURS 38 MINUTES

DOWNTIME COSTS

EMPLOYEES AFFECTED: 23

AVERAGE WAGE: \$17.50/HR

OVERHEAD COSTS: \$9.25/HR

REVENUE LOST: \$85/HR

TOTAL COST: \$496.75/HR

TOTAL COST TO BUSINESS

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What is the overhead cost of these employees? \$9.25/hr.

What is the revenue generated per hour of these employees? \$85/hr.

\$32,114.30

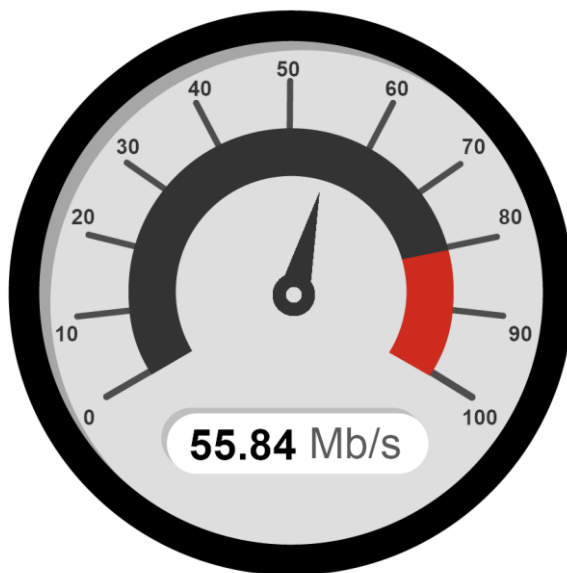
RECOVERY TIME OBJECTIVE NOT MET

RECOVERY POINT OBJECTIVE NOT MET

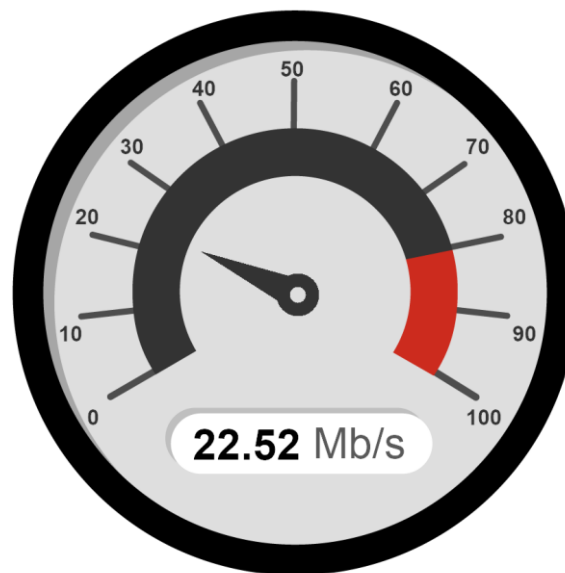
7 - Network Speed Test

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**





8 - 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)
CERTSVR	176.16.1.110	Virtual	File and Storage Services Remote Desktop Services Web Server (IIS)	23	Windows Server 2019 Standard	1	1	2.13	C:	126	13
DCTRLR03	176.16.1.3 176.16.1.23 176.16.1.4	Virtual	AD Domain Services DHCP Server DNS Server File and Storage Services Print and Document Services Remote Desktop Services	29	Windows Server 2019 Datacenter	1	1	2.40	C:	126	20
DEPTFSVR	176.16.1.16	Virtual	Application Server File And Storage Services Web Server (IIS)	31	Windows Server 2012 Standard	8	1	2.13	C:	512	195
DEPTFSVRBUILD	176.16.1.67	Virtual	File and Storage Services	19	Windows Server 2019 Standard	4	1	2.13	C:	123	35



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)
									X:	4	0
FILESVR-1	176.16.1.41	Physical	File and Storage Services	27	Windows Server 2019 Standard	8	1	1.86	C:	128	16
									H:	12909	5486
HVSVR00	176.16.1.100	Physical	File and Storage Services Hyper-V	23	Windows Server 2019 Datacenter	64	2	2.13	C:	128	79
									H:	3596	2967
HVSVR02	176.16.1.123 176.16.1.121 176.16.1.122	Physical	File and Storage Services Hyper-V	30	Windows Server 2019 Standard	64	2	2.13	C:	128	82
									H:	3596	2195
HVSVR04	176.16.1.104 176.16.1.108 176.16.1.105 176.16.1.100	Physical	File and Storage Services Hyper-V	23	Windows Server 2019 Datacenter	64	2	2.13	C:	128	79
									H:	3596	2967
PS01	176.16.1.147	Virtual	File and Storage Services Print and Document Services	24	Windows Server 2019 Standard	1	1	2.13	C:	59	30
QBSVR01	176.16.1.142	Virtual	Web Server (IIS)	9	Windows Server	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)
			File Services Remote Desktop Services		2019 Enterpris e						
									F:	127	24
STORAGE01	176.16.1.69	Virtual	Web Server (IIS) File Services Network Policy and Access Services Windows Deployment Services	65	Windows Server 2019 Enterpris e	6	1	2.13	C:	124	54
									D:	1739	1091
UTIL12	176.16.1.15	Virtual	File and Storage Services Network Policy and Access Services Remote Desktop Services Web Server (IIS)	27	Windows Server 2019 Standard	1	1	2.13	C:	126	21
VPNGW	176.16.1.5	Virtual	File and Storage Services Remote Access Web Server (IIS)	21	Windows Server 2019 Standard	1	1	2.13	C:	126	15
									20	27528	15422
									Partitions	GB	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

9 - 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)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
ABROWN-PC	176.16.1.161	Physical	8	Windows 8.1 Pro	12	1	3.60	C:	127	106
								M:	804	11
BETH-INSPIRON	176.16.1.37	Physical	2	Windows 10 Pro	4	1	2.53	C:	232	28
BO-SANDBOX	176.16.1.3	Virtual	25	Windows 10 Pro	8	1	2.13	C:	80	16
BOBCAT	176.16.1.4	Physical	20	Windows 10 Pro	8	1	3.50	C:	232	211
								D:	1863	88
brownd	176.16.1.35	Physical	16	Windows 10 Pro	14	1	3.40	C:	128	99
								H:	511	296
								S:	293	0
CONFERENCEROOM	176.16.1.55	Physical	4	Windows 10 Pro	4	1	2.90	C:	450	66



COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
								Q:	14	11
DDEMILLE-PC	176.16.1.17	Physical	5	Windows 8.1 Enterprise	6	1		C:	127	73
								S:	469	0
E2T-GW	176.16.1.44	Virtual	34	Windows 10 Pro	1	1	2.13	C:	127	37
GLEN-LT2	176.16.1.131	Physical	4	Windows 10 Pro	4	1	2.20	C:	454	54
ISTCORP-PC	176.16.1.123	Physical	31	Windows 8.1 Pro	4	1	2.20	C:	223	157
JIM-WIN10	176.16.1.44	Physical	31	Windows 10 Pro	12	1	2.70	C:	931	124
LALSTON-PC	176.16.1.81	Physical	4	Windows 10 Pro	3	1		C:	685	52
								D:	13	11
LONGSHORE-PC	176.16.1.14	Physical	1	Windows 10 Pro	8	1	3.40	C:	890	301
MMITTEL-HP	176.16.1.95	Physical	27	Windows 10 Pro	8	1	2.90	C:	910	142
								D:	20	17
								E:	1397	118
MNORTH-WIN1064	176.16.1.182	Physical	43	Windows 10 Pro	8	1	3.50	C:	476	143
NOBELIUM	176.16.1.102	Physical	10	Windows 10 Pro	16	1	3.20	C:	127	74



COMPUTER NAME	IP ADDRESS	PHYS/ VIRT	AGE (MO.)	OS	MEMORY (GB)	CPU COUNT	CPU SPEED (GHZ)	PARTITION	TOTAL SPACE (GB)	TOTAL USED (GB)
PKWIN10-VM	176.16.1.136	Virtual	27	Windows 8.1 Pro	1	1	2.13	C:	126	30
PSOLER-PC	176.16.1.63	Physical	3	Windows 10 Pro	10	1	3.40	C:	890	350
PSOLER-WIN1064	176.16.1.30	Physical	31	Windows 8.1 Enterprise	4	1		C:	913	213
PSOLER-WIN10TEST	176.16.1.144	Virtual	23	Windows 10 Pro	2	1	2.13	C:	127	89
RANCOR	176.16.1.97	Physical	36	Windows 10 Pro	8	1	3.50	C:	232	167
								D:	0	0
								E:	931	139
REX	176.16.1.112	Physical	7	Windows 10 Pro	8	1	3.50	C:	223	198
								D:	0	0
								E:	233	180
SARLACC	176.16.1.132	Virtual	6	Windows 10 Enterprise	6	1	2.13	C:	256	33
TRISH-PC	176.16.1.49	Physical	1	Windows 10 Pro	8	1	3.10	C:	931	346
WILL-PC	176.16.1.52	Physical	10	Windows 10 Pro	12	1	3.60	C:	304	76
								D:	627	98
								39	17378	4154
								Partitions	GB	GB

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Other Workstations

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



10 - Cloud Services

Detected Cloud Service	Service Type	Systems
OneDrive	Remote File Sync	REX,PSOLER-WIN1064,JIM-WIN10,RANCOR,MMITTEL-HP,PSOLER-PC,CONFERENCEROOM,BOBCAT,ABROWN-PC,DDEMILLE-PC,GLEN-LT2,QBSVR01
Google Drive	Remote File Sync	REX,PSOLER-WIN1064,JIM-WIN10
DropBox	Remote File Sync	REX,PSOLER-WIN1064,PSOLER-WIN10TEST,LONGSHORE-PC,PSOLER-PC,BOBCAT,NOBELIUM,WILL-PC
Box	Remote File Sync	PSOLER-WIN1064

11 - SQL Servers

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Server Name	Instance	Version
DDEMILLE-PC	DDEMILLE-PC	
DDEMILLE-PC	DDEMILLE-PC/UPAWS2019SERVER	SQL Server 2019
DEPTFSVR	DEPTFSVR	
ISA1	ISA1	
MNORTH-WIN1064	MNORTH-WIN1064/SQLEXPRESS	SQL Server 2016
PROIT30DEPT	PROIT30DEPT	SQL Server 2016
PS01	PS01	
REMOTESVR	REMOTESVR	SQL Server 2019
STORAGE01	STORAGE01/SUNBELT	SQL Server 2016
WILL-PC	WILL-PC	
WILL-PC	WILL-PC/SQLEXPRESS	SQL Server 2014



MYCO

12 - On-Premises Exchange Servers

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Exchange Server Name	Version
MYCO-ATL-EXCHTKT	Exchange 2016
MYCO-ATL-EXTEST	Exchange 2016