Sample Pty Ltd

Data Security Assessment focused on secure handling of PII and Sensitive Company Data and ensuring Compliance.

Audience: Board/C Suite/Senior Management

GuardWare ASSESSOR

Briefing Intent

This sample is indicative of the report which you'll receive at the end of an assessment.

This redacted report is from assessments done on a number of organisations.

The report provides clarity around the type of user behaviour, data movement and cyber risks that you can expect to be covered during the assessment.

Assessment Scope

The scope of GuardWare Assessment is to assess customer's current security processes and controls (ISMS) based on the following criteria:

1. Ability to securely handle sensitive data namely PII information in line with the requirements of Australian Privacy Principals and NDB Scheme.

2. Ability to securely handle commercially sensitive data in line with ISO/IEC 27001, ACSC Essential 8 and ACSC Information Security Manual (ISM) recommendations.

3. Assess current state of IT Security Governance in line with cyber security controls and the ability to handle a data breach.

Note: Physical security of office environment and equipment is out of scope for this project.

Executive Summary

Monitoring done from 26th Nov to 13th Dec 2024

158 users monitored on 146 devices

Company faces significant risk of a data Breach or theft

The assessment identified a lack of data monitoring controls, placing the company at risk of losing sensitive intellectual property due to either human error or malicious intent.

Multiple instances of unsafe handling of sensitive data, including Personally Identifiable Information (PII), were observed. These incidents involved both corporate and personal communication channels.

Two suspicious activities related to company IP were detected during the assessment, both requiring immediate investigation and response.

The assessment revealed a general lack of awareness among staff regarding company policies and cyber risks. Current training programs are ineffective and require urgent review.

The company has not fully implemented the ACSC Essential Eight (ES8) controls. Two controls were found to be non-functional.

Immediate action is recommended to address the current cybersecurity gaps. A prioritized list of recommendations is provided at the end of this document.

GuardWare ASSESSOR

Risk Summary

Suspicious Insider Risk	Risks Level
• User detected sensitive company IP from his corporate email to his personal email.	High
• User detected copying 1000s of sensitive design files to his personal USB during non-working time, including holidays. The same user is also detected applying for jobs which points to potential job change by the user.	High
Usage of AI Tools	
• Usage of unregulated AI tools	High
Storage Transfer Risks	
• Heavy transferring of PII and IP Data using personal unencrypted USB's	High
• USB data transfers outside working hours	High
Email Risks	
• Users detected forwarding potential company data via corporate emails to their personal emails	Medium
• User detected sending corporate data to via their personal email	High
Credit Card Usage Risks	
• Files containing Credit Card information in vulnerable location	High

GuardWare ASSESSOR

SharePoint Risk Summary

File Activities by External Users	Risk Level
• Anonymous Access - Links that can be accessed by anyone without the need to authenticate	High
• Anonymous Downloads - Files can be downloaded by anyone without the need to authenticate	High
• Secure External Access	Low
• Secure External Downloads	Low
• Download of files by external users on their mobile devices	Low
• Access of files by external Users on their mobile devices	Low
• Access of Sensitive Libraries by External Users	High
• Downloads from Sensitive Libraries by External Users	High
• Links to files Shared to external users using teams	Medium

GuardWare ASSESSOR

SharePoint Risk Summary

File Activities by Internal Users	Risk Level
• Internal Access	No Risk
• Internal Downloads	No Risk
• Download of files by internal users on their personal mobile devices	High
• Platform Access by internal users on their personal mobile devices	No Risk
• Access of Sensitive Libraries by Internal Users	Medium
• Files Shared to internal users using teams	Medium

Risk Summary

Application Control Risks	Risk Level
• Use of unauthorised communication channels	High
• Use of Cloud Application to transfer PII data	High
• Usage of unauthorised VPN'S	High
Website Usage Risks	
• Heavy transferring of files to non-corporate websites	High
Risky Storage of Credentials	
• Credentials stored in local unprotected files	High
Printing Risks	
• Unauthorized Printing of Sensitive Information	Medium
Document Access Risks	
• Unauthorised access of files	Low

Details of Identified Risks

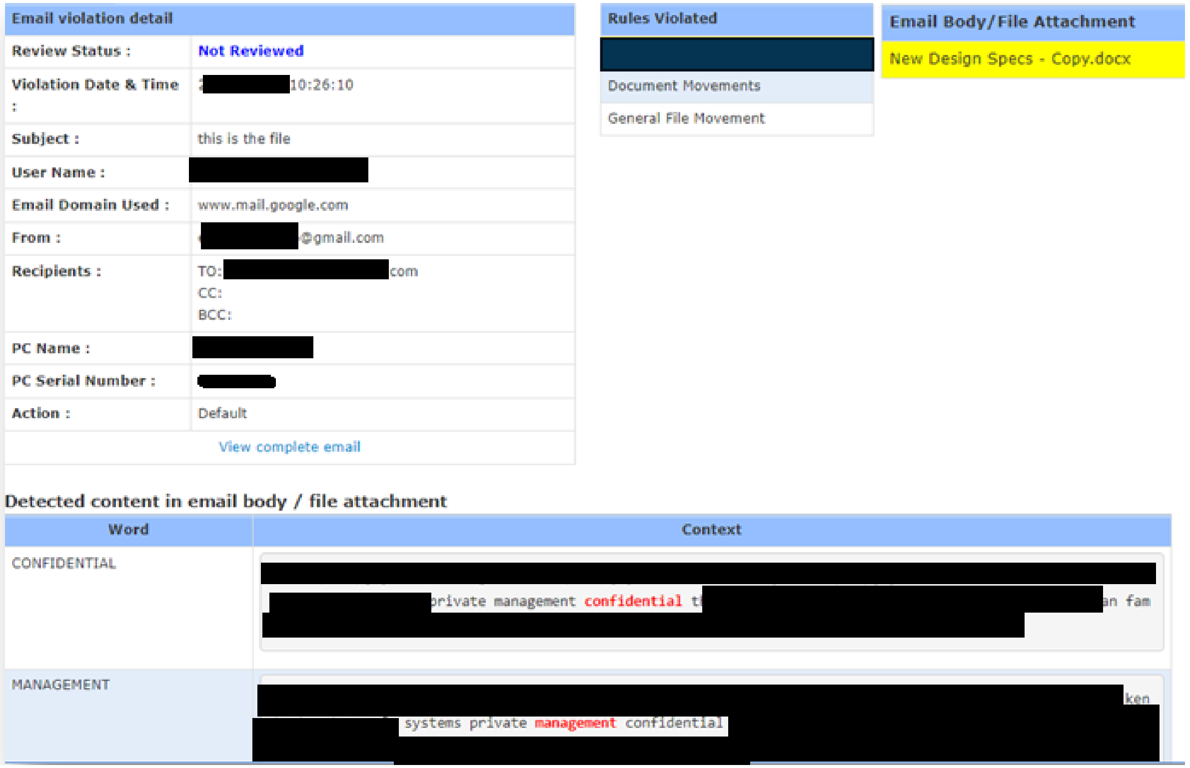
Suspicious Insider Activity

Suspicious User Activity – User1 - Use of personal emails to send corporate data

Suspicious User Activity		
Potential Insider Risk. User detected using his personal email to send highly sensitive corporate data to unauthorized 3rd parties.	**Technical control not implemented**	**High**

Use of personal emails is a common occurrence in organisations but needs to be monitored as can lead data leak.

Risk: Use of personal emails to exfiltrate data out is consistently reported as one of the keyways data is lost or stolen in organisations and needs to be monitored.



Email violation detail	
Review Status :	Not Reviewed
Violation Date & Time :	[redacted]10:26:10
Subject :	this is the file
User Name :	[redacted]
Email Domain Used :	www.mail.google.com
From :	[redacted]@gmail.com
Recipients :	TO:[redacted]com CC: BCC:
PC Name :	[redacted]
PC Serial Number :	[redacted]
Action :	Default
View complete email	

Rules Violated
[redacted]
Document Movements
General File Movement

Email Body/File Attachment
New Design Specs - Copy.docx

Detected content in email body / file attachment

Word	Context
CONFIDENTIAL	[redacted]rivate management confidential t[redacted]an fam [redacted]
MANAGEMENT	[redacted]ken [redacted] systems private management confidential [redacted]

Suspicious User Activity – User2 – Data copied by user about to leave the organisation.

Suspicious User Activity		
Potential Insider Risk. 1. User copied 1000s of design files, also printed his CV during the same time. 2. There is evidence he has visited job sites (Indeed) and applied for industry related engineering jobs around the same time when he copied the files. 3. The files have been copied on unencrypted USBs which most likely are personal. 4. He is also seen accessing and uploading files to personal Google Drive. 5. He belongs to the Engineering User Group.	**Technical control not implemented**	**High**

Risk. Rapid and frequent transfer of large amounts of company data, the fact that the user is reviewing his CV and is applying for jobs are all tell-tale signs of a potential insider threat in progress.

Risk. The user has personal Dropbox installed meaning he has circumvented company policy.

Print Event List for XXXXX using printer Canon-X53Series

User Name	User Group Name	PC Name	File Name	Event Date	Event Time	File Path
XXXXX	[redacted]	LAP2u82	my cv 2022.docx	02-12-2022	13:40:55	c:\users\XXXX\Downloads\my cv 2022.doc

Data copied to 2 distinct unencrypted USBs. Early Morning and on Weekend.

Serial Number	Insertion Date/Time	Removeal Date/Time	Number Files
531455422	2022-12-18 22:20:16	2022-12-18 00:00:00	9685
531455422	2022-12-18 09:47:04	2022-12-18 10:20:16	6622
931222212	2022-12-25 08:31:19	2022-12-25 09:47:04	15633
931222212	2022-12-25 19:35:33	2022-12-25 20:31:19	8952

GuardWare ASSESSOR

Suspicious User Activity- User 1

Applying for Jobs on Indeed.com the next day.

Date/Time	Duration	Full URL
2022/12/03 17:00:00	0:05:36	au.indeed.com/[redacted]edabda9de58bfe0f2ff
2022/12/03 17:30:00	0:18:41	au.indeed.com/[redacted]
2022/12/03 17:00:00	0:01:40	au.indeed.com/job/[redacted]c
2022/12/03 17:00:00	0:01:30	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:01:09	au.indeed.com/job/[redacted]f
2022/12/03 17:00:00	0:01:10	au.indeed.com/job/[redacted]f
2022/12/03 17:00:00	0:00:50	au.indeed.com/job/[redacted]f
2022/12/03 17:00:00	0:00:44	au.indeed.com/companies/[redacted]
2022/12/03 17:00:00	0:00:41	au.indeed.com/companies/[redacted]
2022/12/03 17:00:00	0:00:36	au.indeed.com/companies/[redacted]
2022/12/03 17:00:00	0:00:29	au.indeed.com/job/[redacted]0
2022/12/03 17:00:00	0:00:26	au.indeed.com/job/[redacted]f6
2022/12/03 17:00:00	0:00:25	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:00:23	au.indeed.com/job/[redacted]
2022/12/03 17:30:00	0:00:23	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:00:16	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:00:13	au.indeed.com/job/[redacted]77
2022/12/03 17:00:00	0:00:11	au.indeed.com/job/[redacted]b5
2022/12/03 17:00:00	0:00:11	au.indeed.com/job/[redacted]
2022/12/03 17:30:00	0:00:11	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:00:06	au.indeed.com/job/[redacted]f
2022/12/09 17:30:00	0:00:06	au.indeed.com/job/[redacted]
2022/12/03 17:00:00	0:00:04	au.indeed.com/job/[redacted]
2022/12/03 17:30:00	0:00:04	au.indeed.com/job/[redacted]6
2022/12/03 17:00:00	0:00:03	au.indeed.com/job/[redacted]

Usage of AI Tools

Usage of ChatGPT – sending of corporate data

Upload To Non Corporate Websites > chatgpt.com

Search

Per Page 50

By User By Rule

Action	User Name	Rule Name	Date Time	Software	File Name
	GEORGEFARAH	Sensitive Word	2025-04-12 20:13:07	MSEDGEWEBVIEW2.EXE	C:\Users\GeorgeFarah\OneDrive - guardware.com.au\GuardWare ASSESSOR Lite draft brochure.docx

Website text Violation detail

Violation Date and Time:	2025-04-12 20:13:07
User Name:	GEORGEFARAH
PC Name:	GW-GEORGE-NB
PC Serial Number:	(N/A)

Rules Violation

Sensitive Word
General File Movement
General Document Movement

File Name

C:\Users\GeorgeFarah\OneDrive - guardware.com.au\GuardWare ASSESSOR Lite draft brochure.docx

Detected content in the website text

Word	Context
Sensitive	and control over sensitive data movement in cloud connector no sensitive data leaves your external sharing of sensitive email content detect how users handle sensitive information 6 risks into how your sensitive data flows through

Usage of AI tools - chat.deepseek.com & deepseek.com

Access By User For Websites Containing: 'deepseek.com'

User Name	User Group	Total Duration	Usage Incidents
JOHN DOE	Customer Group	0:10:29	7

Webpage Usage By: JOHN DOE

Date	PC Name	Browser	Duration	Website	URL
2025-01-22 11:30:00	JOHN-Workstation-01	Chrome	0:00:11	chat.deepseek.com	chat.deepseek.com/sign_in
2025-01-22 11:30:00	JOHN-Workstation-01	Chrome	0:00:59	deepseek.com	deepseek.com
2025-01-22 15:30:00	JOHN-Workstation-01	Chrome	0:03:47	chat.deepseek.com	chat.deepseek.com
2025-01-22 16:00:00	JOHN-Workstation-01	Chrome	0:04:50	chat.deepseek.com	chat.deepseek.com
2025-01-23 13:30:00	JOHN-Workstation-01	Chrome	0:00:15	deepseek.com	deepseek.com
2025-01-24 12:30:00	JOHN-Workstation-01	Chrome	0:00:17	chat.deepseek.com	https://chat.deepseek.com/a/chat/s/0fc4015f-26f8-451f-a2f2-575720ba5576
2025-02-03 12:30:00	JOHN-Workstation-01	Chrome	0:00:10	chat.deepseek.com	chat.deepseek.com

Access By User For Websites Containing: 'chat.deepseek.com'

User Name	User Group	Total Duration	Usage Incidents
JOHN DOE	Customer Group	0:09:15	5

Webpage Usage By: JOHN DOE

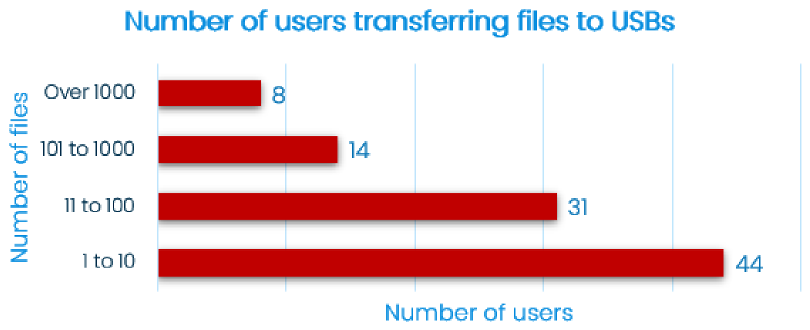
Date	PC Name	Browser	Duration	Website	URL
2025-01-22 11:30:00	JOHN-Workstation-01	Chrome	0:00:11	chat.deepseek.com	chat.deepseek.com/sign_in
2025-01-22 15:30:00	JOHN-Workstation-01	Chrome	0:03:47	chat.deepseek.com	chat.deepseek.com
2025-01-22 16:00:00	JOHN-Workstation-01	Chrome	0:04:50	chat.deepseek.com	chat.deepseek.com
2025-01-24 12:30:00	JOHN-Workstation-01	Chrome	0:00:17	chat.deepseek.com	https://chat.deepseek.com/a/chat/s/5b7f9f72-81d6-4cc6-be65-fd1961e63775
2025-02-03 12:30:00	JOHN-Workstation-01	Chrome	0:00:10	chat.deepseek.com	chat.deepseek.com

Storage Media Analysis

Covers all types of media including phone sync.

PII and Sensitive Company Data transfer using external storage media

Data transfer using external storage media		
High use of unencrypted USBs. 44 users detected using unencrypted USBs to transfer data.	Technical control not implemented	High
High transfer rate. 8 users transferred over 1000 files.	Technical control not implemented	High
Outside of normal business hours. High rate of transfers detected outside of normal working hours.	Technical control not implemented	High



The use of USBs may be for legitimate reasons but there are significant risks involved.

Risk. Loss of phone or USBs is a common source of data breach and should be monitored and accounted for.

Risk. Potential Insider risk. Non-compliant with Trusted Insider Program monitoring requirements as per the ISM.

Risk. Compromise of sensitive corporate information. There should be a valid NEED for transferring sensitive corporate information and there should be appropriate visibility to ensure Insider Threat Management and Incident Response in case of loss.

Risk. Use of unencrypted USBs can easily lead to Data loss

User Name	User Group	Total Events
xxxxx	Customer Group	26256
xxxxx	Customer Group	5221
xxxxx	Customer Group	4212
xxxxx	Customer Group	3362
xxxxx	Customer Group	2326
xxxxx	Customer Group	2125
xxxxx	Customer Group	1782
xxxxx	Customer Group	1506
xxxxx	Customer Group	9
xxxxx	Customer Group	5
xxxxx	Customer Group	4
xxxxx	Customer Group	3
xxxxx	Customer Group	2
xxxxx	Customer Group	2

Hour	Working Day	Non-Working Day
0:00 - 1:00	0	0
1:00 - 2:00	0	0
2:00 - 3:00	0	0
3:00 - 4:00	0	0
4:00 - 5:00	0	0
5:00 - 6:00	0	0
6:00 - 7:00	0	0
7:00 - 8:00	0	0
8:00 - 9:00	562	0
9:00 - 10:00	41	320
10:00 - 11:00	10	8798
11:00 - 12:00	2	331
12:00 - 13:00	2221	4444
13:00 - 14:00	14	2144
14:00 - 15:00	5312	0
15:00 - 16:00	18620	0
16:00 - 17:00	421	0
17:00 - 18:00	2904	0
18:00 - 19:00	7563	0
19:00 - 20:00	33111	0
20:00 - 21:00	7	0
21:00 - 22:00	5	0
22:00 - 23:00	2	0
23:00 - 24:00	2	0

Movement of Sensitive PII and IP Data using USBs

Data transfer using external storage media		
Transfer of Potential Sensitive Data. • Top 8 users detected transferring 1000s of design related files. • Several users transferred files containing potential sensitive data	Technical control not implemented	High
Visibility of transfers. Visibility of sensitive data transferred using external media	Technical control not implemented	High

Risk. Without the ability to monitor what is transferred, the company will not even know if data is lost or stolen and will not be able to perform Incident management.

Risk. Potential Insider risk. Non-compliant with Trusted Insider Program monitoring requirements as per the ISM.

Risk. Compromise of sensitive corporate information. There should be a valid NEED for transferring sensitive corporate information and there should be appropriate visibility to ensure Insider Threat Management and Incident Response in case of loss.

Risk. Use of unencrypted USBs can easily lead to Data loss

User 1

08-12-2022	7:38:45	07[redacted]c9.svn-base
08-12-2022	7:38:51	02[redacted].svn-base
08-12-2022	7:38:54	067[redacted]89.svn-base
08-12-2022	7:38:54	06[redacted].svn-base
08-12-2022	7:38:54	[redacted].drl
08-12-2022	7:38:54	[redacted].cmp
08-12-2022	7:38:54	[redacted].sol
08-12-2022	7:38:54	[redacted].drd
08-12-2022	7:38:54	[redacted].cmp
08-12-2022	7:38:54	[redacted].stc
08-12-2022	7:38:54	[redacted]oles.txt
08-12-2022	7:38:54	[redacted]s.txt
08-12-2022	7:39:11	[redacted]ples.txt
08-12-2022	7:39:11	[redacted]es.txt

User 2

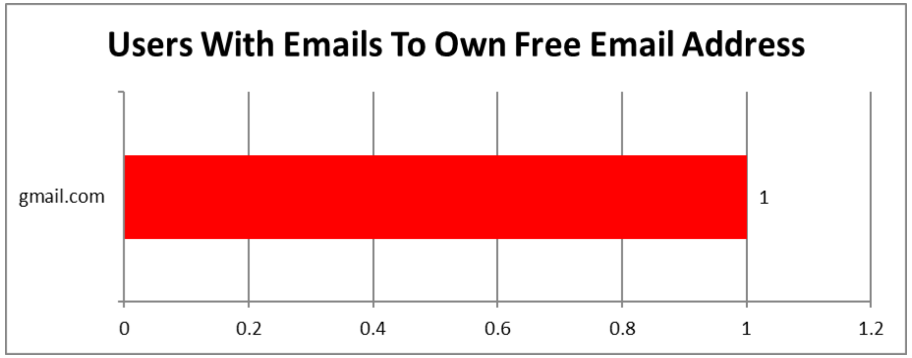
29-11-2022	8:21:51	[redacted]_cad.csv
29-11-2022	12:30:21	[redacted]nse2.pdf
29-11-2022	12:30:21	[redacted].pdf
29-11-2022	12:30:21	[redacted]_bom.csv
29-11-2022	12:30:21	[redacted]_cad.csv
29-11-2022	12:30:21	[redacted]_bom.csv
29-11-2022	12:30:21	[redacted]_cad.csv
05-12-2022	10:23:43	[redacted].csv
05-12-2022	10:23:43	[redacted]csv

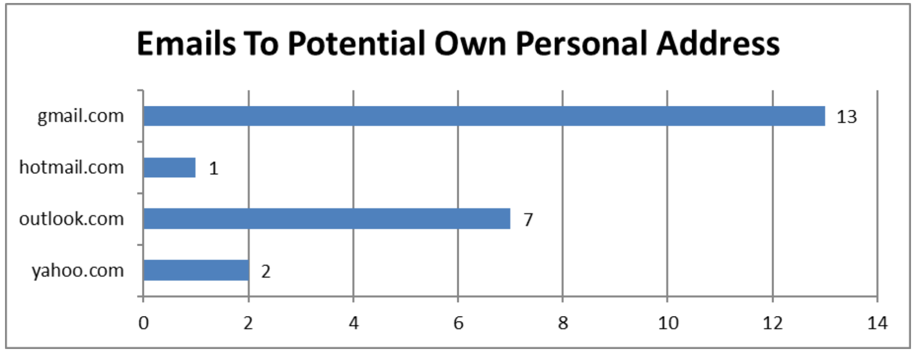
Email Analysis

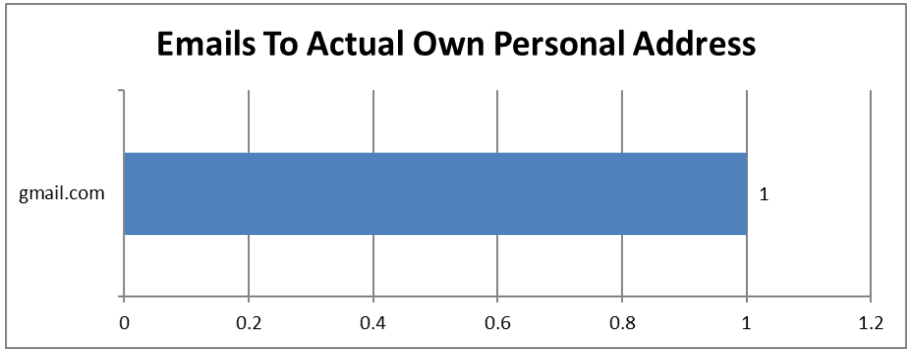
Covers both Corporate and Personal Email transactions.

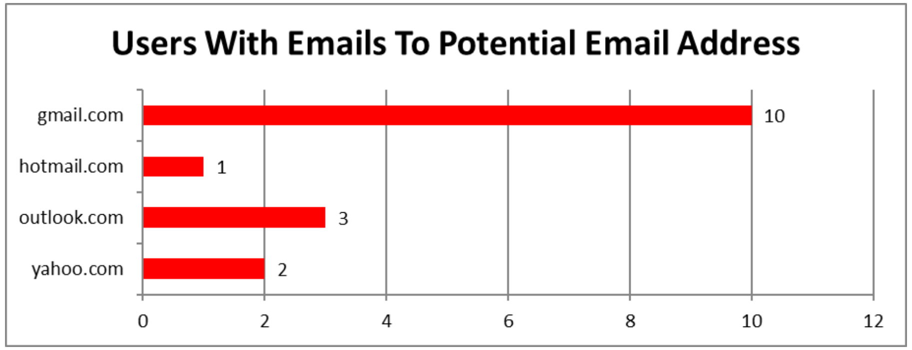
Customer data forwarded to personal emails

Corporate Email Analysis		
Customer data forwarded to personal emails by staff. Email detected being forwarded to user own personal email.	Technical control not implemented	Medium
Visibility of email forwards. Visibility of what files have been forwarded by users to personal and free emails to ensure they are accounted for.	Technical control not implemented	High









Corporate data forwarded to personal email

● Emailing of attachments from Corporate Email Address to Personal Email Address > guardware.com.au

Search | Per Page 10

By User   By Rule

Action	User Name	Rule Name ↓	Date Time	File Name	Subject
	SELINATAMRAKAR	Sensitive Word	2025-04-10 08:36:18	Confidential_Financials_Q1_2025.docx	FW: SENSITIVE – Confidential Finance Summary & Access Credentials

Email Violation Detail

Violation Date and Time:	2025-04-10 08:36:18
Subject:	FW: SENSITIVE – Confidential Finance Summary & Access Credentials
User Name:	SELINATAMRAKAR
Email Domain Used:	guardware.com.au
From:	selina.t@guardware.com.au
Recipients:	to: selina324@gmail.com; cc: bcc:
PC Name:	Azure Exchange Server - GuardwareAustralia
PC Serial Number:	Azure Exchange Server - GuardwareAustralia

Rules Violation

Sensitive Word

General File Movement

Document Movement

Email Body/File Attachment

Confidential_Financials_Q1_2025.docx

Detected content in the email body

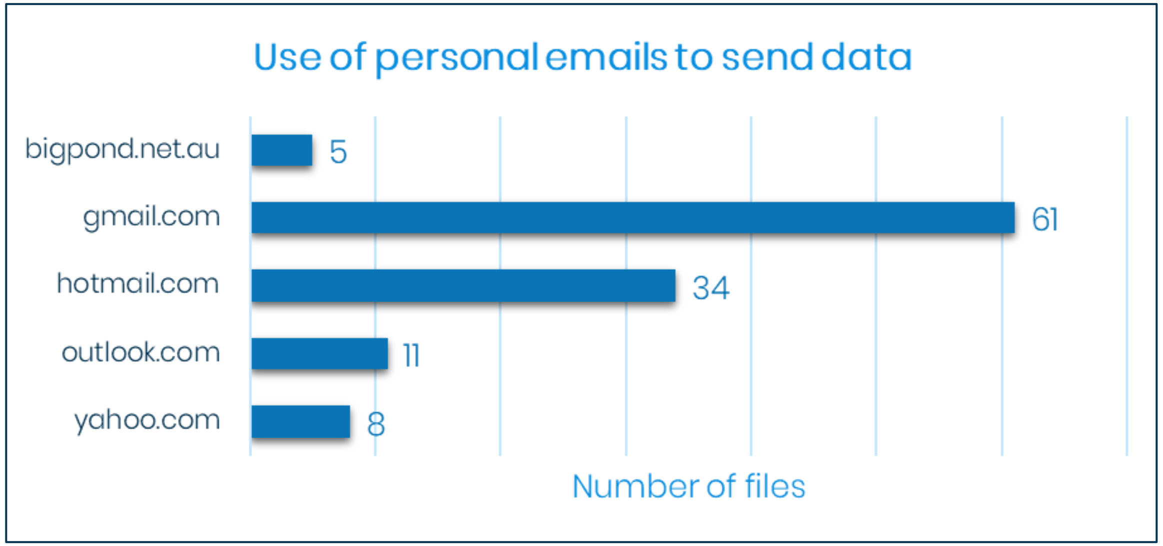
Word	Context
confidential	The following rates are not to be shared outside the organization. Partner agreements include confidential tiered rate structures subject to quarterly review. All data is protected under non-disclosure terms. These are for confidential and will expire within 72 hours. Use is strictly limited to the Finance and Strategy team for the purpose of Q1 data sync and audit verification.

Use of personal emails to send data

Use of Personal Emails		
Use of Personal emails to send corporate data detected. Personal emails have been used to send corporate data.	Technical control not implemented	High
Visibility of Personal Email Use. Visibility is required to ensure company data is not being sent out via personal emails.	Technical control not implemented	High

Use of personal emails is a common occurrence in organisations but needs to be monitored as can lead to data leaks.

Risk: Use of personal emails to exfiltrate data out is consistently reported as one of the keyways data is lost or stolen in organisations and needs to be monitored.



PII Data Discovery Analyses

Covers Cloud Apps, files Servers and local Devices.

Credit Card Information stored in wrong and insecure locations

Information Creep – Related to PII data		
Insecure storage of Sensitive PII data. Sensitive PII data containing credit cards detected in wrong locations.	Technical control not implemented	High

The use of USBs may be for legitimate reasons but there are significant risks involved.

Risk. Storage of information in wrong locations can easily result in a data breach.

Risk. Credit card information needs to be safeguarded and accounted for at all times.

Rule Name	Number of Files
Credit Card Regex Strength Level 1	98
Credit Card Regex Strength Level 2	9
Credit Card Text Strength Level 2	119
Medicare Regex Strength Level 2	184
Medicare Text Strength level 2	502
Mobile Numbers Regex Strength Level 1	300
PII Strength Level 1	9773
PII Strength Level 2	4696

Context for filePath: \\client\original credit card files\card file v2.docx

Incident Value	Context
5105-1XXXXXX10-5100	MasterCard APPROVED APPROVED 2223-0076-4872-6984 MasterCard APPROVED APPROVED 2223-5771-2001-7656 MasterCard APPROVED APPROVED 5105-1XXXXXX10-5100 MasterCard APPROVED APPROV
5111-0XXXXXX17-5156	MasterCard APPROVED APPROVED 2223-5771-2001-7656 MasterCard APPROVED APPROVED 5105-1XXXXXX10-5100 MasterCard APPROVED APPROVED 5111-0XXXXXX17-5156 MasterCard APPROVED APPRC
5185-5XXXXXX00-0019	MasterCard APPROVED APPROVED 5105-1XXXXXX10-5100 MasterCard APPROVED APPROVED 5111-0XXXXXX17-5156 MasterCard APPROVED APPROVED 5185-5XXXXXX00-0019 MasterCard APPROVED APPR
5200-8XXXXXX82-8210	MasterCard APPROVED APPROVED 5111-0XXXXXX17-5156 MasterCard APPROVED APPROVED 5185-5XXXXXX00-0019 MasterCard APPROVED APPROVED 5200-8XXXXXX82-8210 MasterCard APPROVED APPR
5204-2XXXXXX00-0017	MasterCard APPROVED APPROVED 5185-5XXXXXX00-0019 MasterCard APPROVED APPROVED 5200-8XXXXXX82-8210 MasterCard APPROVED APPROVED 5204-2XXXXXX00-0017 MasterCard APPROVED APPR
5204-7XXXXXX90-0014	MasterCard APPROVED APPROVED 5200-8XXXXXX82-8210 MasterCard APPROVED APPROVED 5204-2XXXXXX00-0017 MasterCard APPROVED APPROVED 5204-7XXXXXX90-0014 MasterCard APPROVED APPR
5420-9XXXXXX72-4339	MasterCard APPROVED APPROVED 5204-2XXXXXX00-0017 MasterCard APPROVED APPROVED 5204-7XXXXXX90-0014 MasterCard APPROVED APPROVED 5420-9XXXXXX72-4339 MasterCard APPROVED APPR
5455-3XXXXXX00-0018	MasterCard APPROVED APPROVED 5204-7XXXXXX90-0014 MasterCard APPROVED APPROVED 5420-9XXXXXX72-4339 MasterCard APPROVED APPROVED 5455-3XXXXXX00-0018 MasterCard APPROVED APPR
5506-9XXXXXX00-0436	MasterCard APPROVED APPROVED 5420-9XXXXXX72-4339 MasterCard APPROVED APPROVED 5455-3XXXXXX00-0018 MasterCard APPROVED APPROVED 5506-9XXXXXX00-0436 MasterCard APPROVED APPR
5506-9XXXXXX00-0444	MasterCard APPROVED APPROVED 5455-3XXXXXX00-0018 MasterCard APPROVED APPROVED 5506-9XXXXXX00-0436 MasterCard APPROVED APPROVED 5506-9XXXXXX00-0444 MasterCard APPROVED APPR

SharePoint Risks

Covers Sharing and access of files by internal and external users.

SharePoint Risk – Monitoring and Control of External User Access

SharePoint Risk		
Visibility of Downloads of Files by internal and external users. Visibility of what files have been downloaded by internal and external users. Once downloaded, we lose control over the data.	**Technical control not implemented**	**High**
Visibility of Shared Files to external users. Visibility of what files have been shared to external users.	**Technical control not implemented**	**High**

SharePoint is Defacto File server for most organisations which is accessible from anywhere and from any device including personal devices.

Risk 1: Monitoring of files accessed by internal and external users is critical to ensure security of data.

Risk 2: Wrong configuration of libraries can easily result in access of sensitive data by internal and external users when shared.

Risk 3: Sensitive data can be shared accidentally to unauthorised external users.

Sharepoint Access External

Search   Per Page 50

By File   By User

File Name	Number of Users	Number of Incidents
e-Safe Compliance User Manual v2 Draft 4.docx	1	18
Excercise 1 Map the data to its classification .docx	1	8
Guardware - Data Monitoring and scoping form v3.xlsx	1	11
Guardware Company Decisions.xlsx	1	8
GuardWare INSIGHT User Manual v2.pdf	1	6

SharePoint Risk – Monitoring and Control of External User Access

Sharepoint Access External

Search | Per Page 50

By File   By User

File Name	Number of Users	Number of Incidents
e-Safe Compliance User Manual v2 Draft 4.docx	1	18
Excercise 1 Map the data to its classification .docx	1	8
Guardware - Data Monitoring and scoping form v3.xlsx	1	11
Guardware Company Decisions.xlsx	1	8
GuardWare INSIGHT User Manual v2.pdf	1	6

Sharepoint Access External > GuardWare INSIGHT User Manual v2.pdf

Search

By User

User Name	Email Address	Site Url	File Path	Date Time	Incident Type
richard	richard@gmail.com	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport	Shared Documents/Trainings and help files/Overall System Manual/	2025-01-24 04:34:32	AnonymousLinkUsed
richard	richard@gmail.com	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport	Shared Documents/Trainings and help files/Overall System Manual/	2025-01-24 04:34:32	SharingLinkUsed
selina	selina@yahoo.com	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport	Shared Documents/Trainings and help files/Overall System Manual/	2025-01-10 04:15:35	AnonymousLinkUsed
selina	selina@yahoo.com	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport	Shared Documents/Trainings and help files/Overall System Manual/	2025-01-10 04:15:35	SharingLinkUsed

SharePoint Risk Ensure Authorised Internal Company Access to libraries and files.

Sharepoint Library

Search

Library Name

User Name	Library Name	Site Name	File Name	Secure link created	Anonymous Link Created	Accessed by(internal)	Accessed by(external)	Downloaded by(internal)
selina.t	Shared Documents/Development/DevelopmentPlan/	https://guardwarecomau.sharepoint.com/Documents/INSIGHTDevelopment/	GuardWare INSIGHT User Manual v2.pdf	0	1	15	6	0
akhil.s	Deployment/Report/	https://guardwarecomau.sharepoint.com/Documents/Schedule/	INSIGHT Report Update v1.docx	0	0	26	5	15

Sharepoint Library > Accessed By (Internal) > Shared Documents/Development/DevelopmentPlan/

Search

Per Page 10

By User

User Name	Email Address	SiteUrl	File Path	Incident Date	Incident Time	Incident Type
selina.t	selina.t@guardware.com.au	https://guardwarecomau.sharepoint.com/Documents/INSIGHTDevelopment/	Shared Documents/Development/DevelopmentPlan/	2024-12-30	07:14:10	FilePreviewed
selina.t	selina.t@guardware.com.au	https://guardwarecomau.sharepoint.com/Documents/INSIGHTDevelopment/	Shared Documents/Development/DevelopmentPlan	2024-12-30	22:39:51	FilePreviewed

- **Access and download of files by users. Need to ensure it is authorised access.**
- **Need to ensure visibility of data.**

SharePoint Risk Files downloaded to personal devices. There is a need for Visibility.

Sharepoint Audit Logs

Search

By File | By Platform | By IP address

Platform Name	Secure link created	Anonymous Link Created	Accessed by(internal)	Accessed by(external)	Downloaded by(internal)	Downloaded by(external)
-	0	0	8,735	37	0	0
Android	1	0	6	0	1	0
iPhone	0	0	32	5	11	0
MacOSX	1	15	47	35	10	6
NotSpecified	82	0	622	16	115	0
OfficeCollaborationService	0	0	50	0	0	0

- **Files downloaded by users which can be to Corporate and personal devices**
- **Need to ensure visibility of data.**

Android

Accessed by(internal)	Downloaded by(internal)
Username	Username2
rizwan.m	simon.s
grishma.k	
roshan.b	

MacOSX

Anonymous Link Created	Accessed by(external)	Downloaded by(external)
Username3	Username4	Username5
pritijan.m	anonymous	anonymous
rabin.t		
prakash.c		

IPhone

Accessed by(internal)	Accessed by(external)	Downloaded by(internal)
Username6	Username7	Username8
richard.m		akhil.s
akhil.s		richard.m
		selina.t

Risky Sharing of Data

Anonymous Access Risk		
Files shared using anonymous links to external users.	**Technical control not implemented**	**High**
Sensitive files shared to external users. **Potential Unauthorised access.**	**Technical control not implemented**	**High**

Sharepoint has made access and sharing of information incredibly easy and accessible from anywhere. Unfortunately, users often tend to have the false sense of security that all data in SharePoint is secured. Reality is if SharePoint is not configured properly and monitored it can easily become a major source of data leak.

Risk 1: Anonymous sharing is a risky action. As external users can simply share and access the link without any check and balance.

Risk 2: Sensitive data can be maliciously or unknowingly shared by authorised users to internal or external unauthorized users.

Anonymous Sharing of files

File Name	Anonymous Link Created	Accessed by(internal)	Accessed by(external)
GuardWare INSIGHT User Manual v2.pdf	1	15	6

Sensitive data accessed by external users

Anonymous Access - SharePoint Risk

Sharepoint File log > Anonymous Link Created > File name > GuardWare INSIGHT User Manual v2.pdf

Search

By User

User Name	Site Url	File Path	Email Address	Incident Date	Incident Time	Incident Type
akhil.s	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport	Shared Documents/Trainings and help files/Overall System Manual/	akhil.s@guardware.com.au	2025-01-09	07:49:24	AnonymousLinkCreated

External Downloads - SharePoint Risk

Sharepoint File log > Downloaded By (External) > File name > GuardWare INSIGHT User Manual v2.pdf

Search

By User

User Name	Site Url	File Path	Email Address	Incident Date	Incident Time	Incident Type
anonymous	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport/	Shared Documents/Trainings and help files/Overall System Manual/	anonymous	2025-01-24	04:34:38	FileDownloaded
anonymous	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport/	Shared Documents/Trainings and help files/Overall System Manual/	anonymous	2025-01-10	04:15:41	FileDownloaded
anonymous	https://guardwarecomau.sharepoint.com/sites/GuardWareSupport/	Shared Documents/Trainings and help files/Overall System Manual/	anonymous	2025-01-10	05:58:53	FileDownloaded

Use of Non-Organisational Unauthorised Applications

Non-Compliance of 2 of the ES8 Controls.

- Restrict administrative privileges
- Application control

Installation and Use of Non-organisational applications

Data transfer using non-corporate applications		
Technical Control Circumvented. The users seem to have found a way to install non-organisational applications. Non-Compliance of 2 of the ES8 Controls. • Restrict administrative privileges • Application control	Failed Technical Control	High
Visibility of Application Use. Visibility of what applications are being used by users.	Technical control not implemented	High

The use of personal applications without proper authorization and vetting may be for legitimate reasons, but there are significant risks involved.

Risk. Standard users should not have admin rights to install applications. It can result in malware infection and highlights that the current controls are failing to implement 2 of the ES8 Controls.

1. Restrict administrative privileges
2. Application control.

Software Name	Vendor	Number of PCs with Software Present	Number of PCs with Software Usage	Total Usage Duration
MESSENGER.EXE	Facebook Inc.	5	3	1:15:00
TELEGRAM.EXE	Telegram	5	2	0:41:40
WHATSAPP.EXE	WhatsApp	6	2	0:17:30
FILEZILLA.EXE	FileZilla Project	1	1	0:08:41
DROPBOX.EXE	Dropbox, Inc.	8		
OPERA.EXE	Opera Software	2		

Data transfer using Non-Corporate Data sharing Apps and Websites

PII data transfers using Cloud Applications

Data transfer using non-corporate applications		
Risky Transfer Application Use. 8 users detected using Dropbox or Google Drive to transfer files. Transfers include potential sensitive data.	**Failed Technical Control**	**High**
Visibility of transfers. Visibility of sensitive data transferred using external media	**Technical control not implemented**	**High**

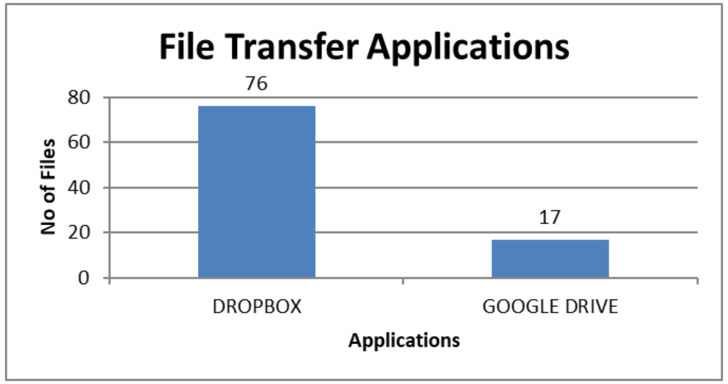
The use of personal cloud services and applications may be for legitimate reasons, but there are significant risks involved.

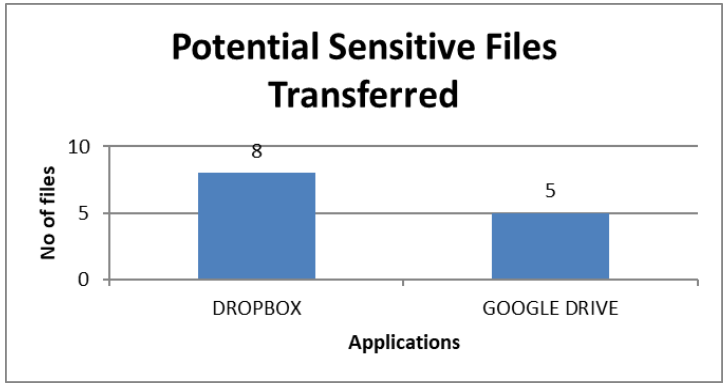
Risk. Unauthorized access by former staff members. Information stored in personal cloud account remains with its user after he leaves a company and therefore can result in a breach as per NDB Scheme.

Risk. Applications like Dropbox, OneDrive, and Google Drive sync files to any device where a user is logged into these applications. This may include their personal devices or, even worse, those of a different company, which could result in the loss of sensitive information.

User Name	User Group	Total Events
xxxxxx	Client Group	34443
xxxxxx	Client Group	1722
xxxxxx	Client Group	1428
xxxxxx	Client Group	17

PII data transfers using Cloud Applications – Dropbox.exe





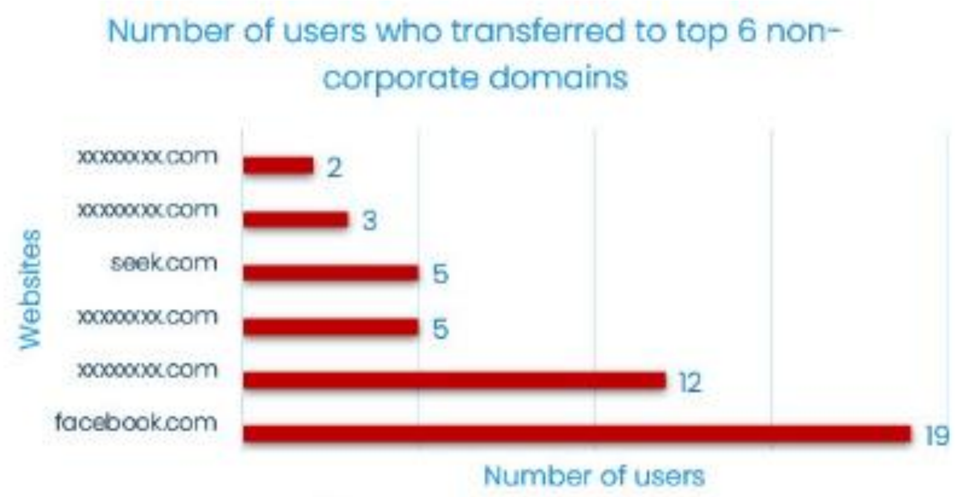
29-11-2022	14:03:28	DROPBOX	1231212.docx
29-11-2022	14:03:28	DROPBOX	1-product comparison-latest- jun 2018 copy.xlsx
29-11-2022	14:03:28	DROPBOX	1-product comparison-latest- jun 2018.xlsx
29-11-2022	14:03:29	DROPBOX	1231212_00.docx
29-11-2022	14:03:29	DROPBOX	1231212_00_11.docx
29-11-2022	14:03:29	DROPBOX	amex2222_3.xls
29-11-2022	14:03:29	DROPBOX	az-100.docx
29-11-2022	14:03:30	DROPBOX	capture.png
29-11-2022	14:03:30	DROPBOX	claim - copy.xls
29-11-2022	14:03:43	DROPBOX	client4.4.0.10 - lc-temora.msi
29-11-2022	14:03:56	DROPBOX	contract form.doc
29-11-2022	14:03:56	DROPBOX	creditcard.docx
29-11-2022	14:03:57	DROPBOX	customer info.xlsx
29-11-2022	14:03:57	DROPBOX	customer_info.docx
29-11-2022	14:03:58	DROPBOX	customer_offer letter.docx

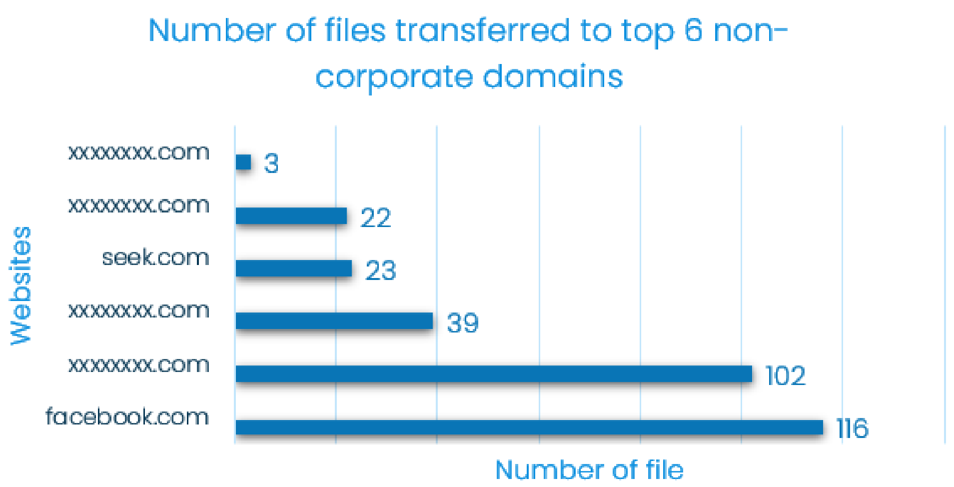
Data transfer using Non-organisational websites

Data transfer using non-corporate applications		
Risky website Use. 19 users detected using Facebook and potentially transferring data.	Technical control not implemented	High
Visibility of transfers. Visibility of sensitive data transferred using APPs and encrypted websites.	Technical control not implemented	High

Transferring of files to non-corporate websites may be for legitimate reasons, but there are significant risks involved.

Risk. Can result in a breach if sensitive or PII data is uploaded to non-corporate websites either accidentally or due to malicious intent.





Use of VPN's

Usage and Monitoring of multiple VPN's

List of software present on pcs and usage

Software Name	Software Category	Software Description	Vendor	Number of PCs with Software Present	Number of PCs with Software Usage	Total Usage Duration
(223) OPENVPNCONNECT.EXE	Non-Work Application	OpenVPN Connect	OpenVPN	11	11	0:14:37
(207) NORDVPN.EXE	Non-Work Application	NordVPN	nordvpn S.A.	1	1	0:06:44

PCs with software - (223) OPENVPNCONNECT.EXE

PC Name	Last User	Last Detected	Usage Duration
(89) JOHN-Workstation-01	JOHN DOE	2/10/2025	0:03:44
(53) ALEX-Workstation-10	ALEX SMITH	2/12/2025	0:02:25
(50) JAMIE-Workstation-08	JAMIE LEE	2/13/2025	0:02:22
(86) CHRIS-Workstation-17	CHRIS JOHNSON	2/11/2025	0:01:44
(56) CASEY-Workstation-02	CASEY WALKER	2/11/2025	0:01:25
(45) JANE-Workstation-09	JANE DOE	2/10/2025	0:00:49
(80) TAYLOR-Workstation-04	TAYLOR BROWN	2/3/2025	0:00:44
(43) DAKOTA-Workstation-03	DAKOTA CLARK	1/21/2025	0:00:31
(48) DREW-Workstation-13	DREW MASON	1/30/2025	0:00:30
(63) CAMERON-Workstation-19	CAMERON HAYES	1/20/2025	0:00:15
(64) LOGAN-Workstation-07	LOGAN ADAMS	2/4/2025	0:00:08

Stored Passwords and Credentials

Stored Passwords and Credentials

Storing of Credentials locally in unprotected files		
Potential credentials detected saved in local unprotected files.	**Technical control not implemented**	**High**

Risk. On gaining access, hacker's target stored locally stored credentials to gain access to system. It is one of the most common ways to hack and gain further access of systems.

Context for filePath: C:\Company\Internal\Configs\LoginData\user_cred_0425.docx

Incident Value	Context
Password	must enter the password P@ssw0rd123 before gaining access
username	the user with the username john.doe must enter the

Context for filePath: c:\customer\test\secret_key.txt

Incident Value	Context
Password	to gain access to the site use password: heavyRain123 and download the system and other steps
username	use the login credential username: Harry_Potter to gain access to the site

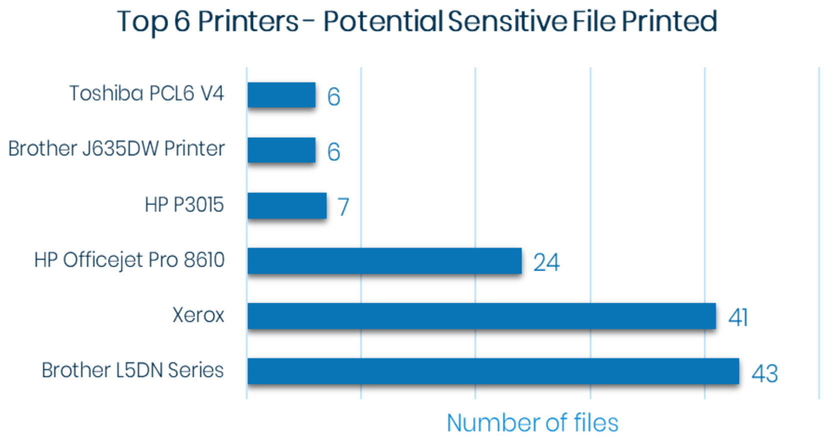
Printing Analysis

Printing of PII Information

Printing of Sensitive Data		
Printing of potential sensitive data. Printing of sensitive data was observed.	Technical control not implemented	Medium
Printing use personal Printers. As users are allowed to work from home there is risk of files being printed using home printers.	Technical control not implemented	Medium
Visibility of Printing. Visibility of what files have been printed either via organisational or personal printers to ensure they are accounted for.	Technical control not implemented	Medium

The use of these printers may be for legitimate reasons but can result in a breach.

Risk. According to ACSC Loss of printed information is a common occurrence leading to a data breach. As such printing of material needs to be monitored and controlled. Users should be made responsible for the security of printed materials. All printing events need to be monitored.



Printer Name	Total Events
\\rbcmon02\[redacted]-Office	25
\\RBCPRN01\[redacted]-Office	22
\\rbcprn01\[redacted]Office	19
\\RBCPRN01\[redacted]-Office	12
D-Accounts	6
Microsoft Print to PDF	5
\\rbcmon02\[redacted]-Office2	5
\\rbcprn01\[redacted]-Office	5
Microsoft Print to PDF	4
\\rbcprn01\[redacted]-Manager Office	3
Canon TS3300 series	3
OneNote for Windows 10	2
Adobe PDF	2
\\RBCPRN01\[redacted]-Office	2
I Block Lv2 Toshiba	2
[redacted]-Admin	2
HP8A771D (HP Officejet Pro 6830)	2
\\rbcprn01\[redacted]-Office	1
Adobe PDF	1
HPBBF063 (HP OfficeJet Pro 8710)	1
\\RBCPRN01\[redacted]-Office	1
[redacted]	1
HP000756 (HP Officejet 6600)	1
Brother HL-1110 series	1
Adobe PDF	1
Brother MFC-L3750CDW series Printer	1
\\RBCPRN01\[redacted]-Office	1
\\rbcprn01\[redacted]-Office	1
Canon MG6200 series Printer XPS	1

Access of Files

GuardWare ASSESSOR

Access of Files

The company has visibility and means to validate if authorised users are accessing sensitive data.

Access of information		
Authorised Access of sensitive Information. Ensuring authorised users can access files	Implemented	No Risk
Access Visibility. Visibility of who is accessing what files	Implemented	No Risk

DLP File Access Incidents by Rule Name

Rule Name	mber of	Number of Files
[redacted]	79	1086
Document Access	146	19567

File Name	User Name	Date	Time	File Path
mp-23 project brief.doc	[redacted]	29/11/2022	12:42:56	c:\users\User\document\Client Profile\mp-23 project brief.doc
ac_id_74 - signed.docx		29/11/2022	15:21:49	c:\users\User\document\Client Profile\ac_id_74 - signed.docx
security snippets nov 2022.pdf		29/11/2022	9:36:52	c:\users\User\document\Client Profile\\security snippets nov 2022.pdf
agreementreconciliation.pdf		29/11/2022	11:55:43	c:\users\User\document\Client Profile\agreementreconciliation.pdf
202208_client.xlsx		29/11/2022	10:13:53	c:\users\User\document\Client Profile\202208_client.xlsx
performance report.pdf		29/11/2022	11:21:31	c:\users\User\downloads\performance report.pdf
performance report (1).pdf		29/11/2022	11:21:39	c:\users\User\downloads\performance report (1).pdf
protect 1st work package costing.xlsx		6/12/2022	13:29:50	c:\users\admin\desktop\demos\project f20\protect 1st work package costing.xlsx

Recommendation to Reduce Risk

High Priority

The company's users are exhibiting several risky behaviours when dealing with Company data. These are putting company IP at serious risk and can easily result in a Breach. There is a need to monitor and control these activities.

Implement a User activity Monitoring, Data Egress/leak Monitoring solution which can monitor and alert "sensitive data" in the following use cases:

- Access of sensitive files
- Transfer using corporate channels like emails and cloud.
- Transfer using any personal online sources like free emails, cloud, and web uploads.
- Transfers using encrypted personal chats like WhatsApp.
- Data shared out directly from cloud shares.
- Printed using corporate and personal printers.
- Transfer using offline sources like USBs, phone sync etc.
- Locate laptops containing Sensitive PII data
- Monitor and control syncing of data using wireless methods like Bluetooth and Mobile Sync apps.
- Ability to monitor when user's circumvent company policy.
- Monitor use of unauthorized company applications.
- Monitor access of risky websites.
- Ability to monitor 24/7 even not connected to corporate network or offline.

High Priority

Implement a staff awareness program around the identified risks. Guardware can help automate the staff education and awareness programme.

Recommendation to Reduce Risk

High Priority

Company should aim to meet a minimum maturity of level 1 for ACSC essential 8 controls. The following essential 8 controls are considered of higher importance:

- Application control
- Patch applications
- Patch Operating System
- Restrict administrative privileges

Medium Priority

The following essential 8 controls are considered of medium importance:

- Backup
- Configure Microsoft Office macro settings
- User application hardening

GuardWare offers products designed to keep your data safe and can help implement the recommendations in this report.

GuardWare ASSESSOR

Contact Information

465 Victoria Avenue,
Chatswood, Sydney 2067, Australia.

Email: sales@guardware.com.au

Phone: +61 2 9994 8061