

Technology Business
Review
Prepared for
ABC Wealth
March 1, 2024



Technology Business Review for ABC Advisors

Prepared by: David Kakish Date: March1, 2024

Category		Comments			
Cloud Platform					
Platform	$\overline{\Delta}$	On RIA Workspace Platform with Advance Security powered by Microsoft			
Secure Single Sign On (SSO)		Are you currently using SSO to access your cloud applications in a secure and compliant way			
Data - Retention	į.	Are you currently using any Retention Policy such as Keep Content Forever with Preservation Lock on			
Real Time Document Collaboration	ļ.	Do you have the ability for two or more people to collaborate in real time in the same document?			
Email Infrastructure					
Mail Server/Email	M	Hosted Microsoft Exchange in good working order.			
Email - Multi-factor Authentication	M	Is Multi-factor Authentication is turned on?			
Email - Antivirus & Antispam Standard	M	Email system has antivirus and antispam in place			
Email - Advanced Threats	Į.	Microsoft Defender For Office 365 is in place			
Email - Encryption	\square	Are you Encrypting emails that contain sensitive information in the environment			
Email - DLP	į.	Data Loss Prevention is in place for U.S. Financial Data and U.S. Personally Identifiable Information (PII) Data			
Email - Retention	į.	you currently using any Retention Policy such as Keep Content Forever with Preservation Lock on			
Email - Auditing	ļ.	active and functional			
Email - Simulated Phishing Campaigns	į.	onthly phishing campaigns			
Teams Messaging - Retention	ļ.	You are currently using Retention Policy with Keep Content Forever with Preservation Lock on			
Network (WAN & LAN)					
Internet Access	M	Cogent primary internet line			
Backup Internet Line	Į.	Failover line is configured and tested			
Switches	Ø	Good Health			
Wireless Access Points	Ø	They have separate Employee and Guest Access			
Desktops	M	All computers are running the latest version of windows			
Patch Status	Ø	er 80% Patched			



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Category		Comments		
Cybersecurity & IT Compliance				
Firewall	V	Good Health		
Firewall Warranty	!	Warranty is valid through 12/31/2021		
Network Firewall Security	ļ	Do you have Firewall Security Services?		
Modern Remote Access	$\overline{\mathbf{A}}$	Uses the Microsoft Active Directory Services so Team is able to work and be fully productive when outsid	e the office	
Computer Encryption	V	All computers are encrypted especially now that employees are working from home		
Removable Media Control (USB Block)	!	Is this in place?		
Antivirus, Identity & Endpoint Protection	!	Microsoft Defender For Endpoint, Microsoft Defender For Office 365 and Microsoft Defender For Identity	is in place	
Extended Detection & Response (XDR)	$\overline{\mathbf{A}}$	We have Microsoft XDR implemented for your RIA		
Mobile Device Compliance	ļ	Do iPhones and mobile devices meet your RIA's IT and security requirements before accessing company r	resources?	
Internet Filtering/Reporting	$\overline{\mathbf{A}}$	Internet filtering is in place using the Microsoft Defender for Endpoint		
External Penetration Test & Vulnerability Scan	$\overline{\mathbf{A}}$	We test two times per year. Think of it as a semi-annual fire drill		
Security Awareness Training	$\overline{\mathbf{A}}$	Great you have PII Protect in place to train your staff on best security practices	Click here for more information	
Templates - IT Policies & Best Practices	·	For New Employee Form, internet policy and more	Click Here for Templates	
Back Up & Disaster Recovery				
Written Plan		Appendix A - Click Here		
Communication		Appendix B - Click Here		
Automate Backups	$\overline{\mathbf{A}}$	All backups are automated to minimize human error. InhouseCIO gets alerted when there is an error and	d immediately looks into the issue	
Offsite Disaster Recovery/Replication	$\overline{\mathbf{A}}$	Your data is being backed up to the data center		
Backup/DR Testing	İ	We test two times per year. Think of it as a semi-annual fire drill		
Business Topics				
Network Documentation	V	Documented by InhouseCIO. Can provide a copy to key contacts		
Expansion / Growth	ļ.	How are you doing, are you looking at adding new people, new companies or new technologies		
Other				



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DLP Policies

U.S. Financial Data

Description

Helps detect the presence of information commonly considered to be financial information in United States, including information like credit card, account information, and debit card numbers.

Protects this information:

Credit Card Number

U.S. Bank Account Number

ABA Routing Number

U.S. Personally Identifiable Information (PII) Data

Description

Helps detect the presence of information commonly considered to be personally identifiable information (PII) in the United States, including information like social security numbers or driver's license numbers.

Protects this information:

- U.S. Individual Taxpayer Identification Number (ITIN)
- U.S. Social Security Number (SSN)
- U.S. / U.K. Passport Number

Computer Name	User	OS
Norman's MacBook Pro M1	ABC User - 1	macOS 14.1.0 (Darwin)
Matt's MacBook Pro	ABC User - 2	macOS 13.5.1 (Darwin)
ZIPDEV	ABC User - 3	Microsoft Windows 11 Enterprise x64
ABC-LT013	ABC User - 4	Microsoft Windows 11 Enterprise x64
ABC-LT011	ABC User - 5	Microsoft Windows 11 Enterprise x64
ABC-LT010	ABC User - 6	Microsoft Windows 11 Enterprise x64
ABC-LT009	ABC User - 7	Microsoft Windows 11 Enterprise x64
ABC-LT008	ABC User - 8	Microsoft Windows 11 Enterprise x64
ABC-LT007	ABC User - 9	Microsoft Windows 11 Enterprise x64
ABC-LT006	ABC User - 10	Microsoft Windows 11 Enterprise x64
ABC-LT005	ABC User - 11	Microsoft Windows 11 Enterprise x64
ABC-LT004	ABC User - 12	Microsoft Windows 10 Enterprise x64
ABC-LT003	ABC User - 13	Microsoft Windows 11 Enterprise x64
ABC-LT003	ABC User - 14	Microsoft Windows 11 Enterprise x64
ABC-LT002	ABC User - 15	Microsoft Windows 11 Enterprise x64
ABC-LT001	ABC User - 16	Microsoft Windows 11 Enterprise x64



Displays a summary of all assets for each client, followed by detailed lists grouped by each device type.

February 15, 2024



ABC Wealth

Address: 123 Main Street

Anywhere, XO 55555

 Country:
 United States

 Phone:
 555-555-5555

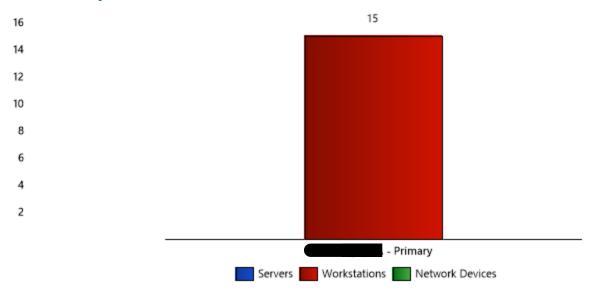
 Fax:
 555-555-5555

Locations: 1

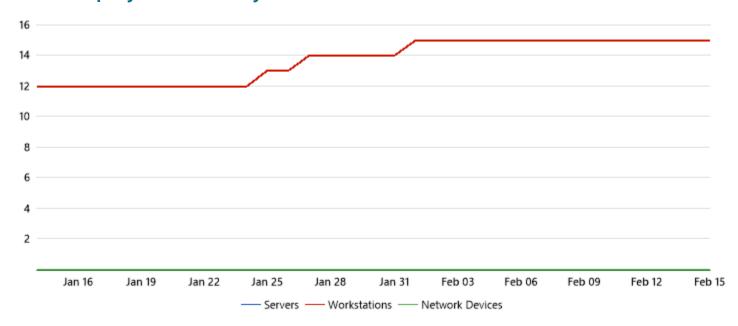
Asset Analysis

Servers	Workstations	Network Devices
0	15	0
	Windows	Other
Servers	0	0
Workstations	13(87%)	2 (13%)

Devices By Location



Asset Deployment History

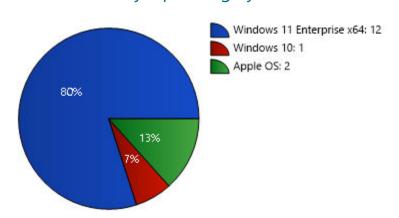


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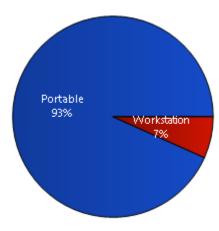


Workstation Assets

Workstations by Operating Systems



Workstation Form Factor



Workstation Type/Name	Curren	t Status/Duration	CPU Usage	RAM Usage	HDD Usage
Location	OS	Local IP	3	J	J
Manufacturer/Model			Assigned Conta	ect	Date 1st OS Start
♣ABC-LT001	Ru	nning for 3h 30m	2.67 GHz	15.8 GB	187 GB / 953 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	10.1.10.193	79	6 - 7 59	% ■ 20%
ASUSTeK COMPUTER INC. Zer	Book UX563FD_Q547FD		John		06-Mar-2023
♣ABC-LT002	F	Running for 2d 1h	1.98 GHz	15.7 GB	104 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.1.101	19	619	% 🗖 22%
ASUSTeK COMPUTER INC. ASL	JS EXPERTBOOK B1500CE	3A_B1500CBA	Barbara		24-May-2023
♣ABC-LT003	Ru	ınning for 1d 20h	3.07 GHz	15.8 GB	151 GB / 1.14 TB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.1.241	89	6 979	% ■ 13%
ASUSTeK COMPUTER INC. Zer	nBook UX535LH_UX535LH	I	Stephanie		14-Feb-2023
♣ABC-LT004	Ru	unning for 20d 2h	3.07 GHz	15.8 GB	109 GB / 1.14 TB
Anywhere, XO - Primary	Windows 10 x64	192.168.1.153	69	699	% 9%
ASUSTeK COMPUTER INC. Zer	nBook UX535LH_UX535LH	I	Hannah		27-Sep-2022
♣ABC-LT005	Ru	nning for 2h 38m	2.8 GHz	15.7 GB	196 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.0.23	79	699	% 41%
ASUSTeK COMPUTER INC. Zer	nbook UX5400EG_UX5400	EG	Jenna		12-Apr-2023
♣ABC-LT006	Ru	nning for 4h 31m	2.8 GHz	15.7 GB	198 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	10.0.0.91	99	6 849	% 4 2%
ASUSTeK COMPUTER INC. Zer	nbook UX5400EG_UX5400	EG	Sara		18-Apr-2023





Workstation Type/Name		nt Status/Duration	CPU Usage	RAM Usage	HDD Usage
Location Manufacturer/Model	OS	Local IP	Assigned Contac	+	Data 1st OS Star
Manufacturer/Model			Assigned Contac	.t	Date 1st OS Start
♣ ABC-LT007		inning for 2h 33m	2.57 GHz	15.8 GB	163 GB / 1.14 TB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.1.176	1%	78%	1 4%
ASUSTeK COMPUTER INC. ZenBo	ook UX535LH_UX535LH	1	Danielle		23-May-2023
♦ ABC-LT008	Ru	nning for 13d 20h	3.96 GHz	15.7 GB	84 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	172.20.5.177	3%	72%	18 %
ASUSTeK COMPUTER INC. ASUS	EXPERTBOOK B1500C	BA_B1500CBA	Steinar		20-Sep-2023
♣ABC-LT009	R	unning for 20d 1h	3.86 GHz	15.7 GB	108 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	10.0.0.249	11%	78%	23%
ASUSTeK COMPUTER INC. ASUS	EXPERTBOOK B1500C	BA_B1500CBA	Nicole		21-Dec-2023
♣ABC-LT010	R	unning for 13d 4h	3.07 GHz	15.8 GB	114 GB / 1.14 TB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.1.8	13%	69%	10%
ASUSTeK COMPUTER INC. ZenBo	ook UX535LH_UX535LH	4	Christopher		22-Sep-2022
♣ABC-LT011	Ru	ınning for 3h 44m	2.47 GHz	15.6 GB	91 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.0.139	4%	57%	1 9%
ASUSTeK COMPUTER INC. ASUS	EXPERTBOOK B1502C	ВА	Unassigned		25-Jan-2024
♣ABC-LT-013		Running for 7d 4h	1.98 GHz	15.6 GB	70 GB / 475 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.0.91	1%	69%	1 5%
ASUSTeK COMPUTER INC. ASUS	EXPERTBOOK B1502C	ВА	Unassigned		01-Feb-2024
	Discon	nected for 7d 21h	Unknown	33.6 GB	1.96 TB / 3.15 TB
Anywhere, XO - Primary	macOS 13.5.1 (Darwin)	192.168.68.117	58%	61%	62%
Apple Inc. MacBookPro18,1			Matt		
Norman's MacBook Pro M1	Ru	ınning for 2h 37m	Unknown	16.8 GB	4.61 TB / 5.41 TB
Anywhere, XO - Primary	macOS 14.3.1 (Darwin)	192.168.68.78	23%	61%	85%
Apple Inc. MacBookPro18,1			Norman		
I ZIPDEV	R	unning for 6d 22h	3.4 GHz	15.7 GB	59 GB / 476 GB
Anywhere, XO - Primary	Windows 11 Enterprise x64 x64	192.168.1.24	4%	65%	12%
STRONG TECH N156DRP			Unassigned		26-Jan-2024

February 15, 2024



Report Legend

Server Type Indicators

Server (All types)

Virtual Machine (VMWare/VirtualBox)

Workstation Type Indicators

Desktop (Tower/Minitower)

Portable (Notebook/Netbook)

Virtual Machine
(VMWare/VirtualBox)

Agent Status Colors

The color of the Agent Status field indicates what type of connection is currently maintained by the server:

Running

Standby / Hibernate

Lost Contact

Shutdown

Disconnected

Network Device Type Indicators

General Network Device

Bridge

Camera/Scanner

Computer (No Agent)

Firewall Device

Home Automation Device

Multimedia Device

Network Attached Storage

Programmable Logic Controller

Printer

Router

Switch

Terminal

Uninterruptible Power Supply

📥 Wi-Fi Access Point

Resource Usage Indicator

These bars display the percentage of resources used for a given item. To the right is the scale commonly used; note that certain items may have a reversed scale.

Low: 0% up to 50%

_____ Medium: 50% up to 75%

High: 75% up to 100%



Patch Compliance

Displays the patch compliance of your systems, and details each device and patch that is non-compliant.

Patch Compliance

ABC Wealth; February 15, 2024



Patch Compliance

Compliance by Severity

Compliance by CVSS

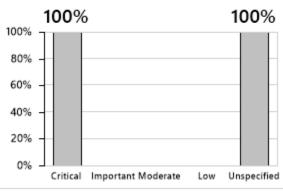


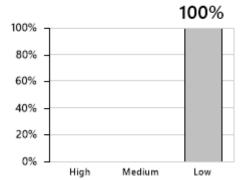
Patch Compliance Calculation

25 Installed / 25 Approved

Total Managed Windows Assets

0 Servers / 13 Workstations





Non-Compliant Devices

Location\Computer Operating System Patch Compliance I / NA / F Last Patched Last Scanned Patch Status

Non-Compliant Patches

Patch Title & KB Article Operating System Category Severity CVSS Release Date F NA

All Patches are Compliant

Patch Compliance

ABC Wealth; February 15, 2024



Report Legend

Patch Compliance Indicator

Represents the percentage of the number of patches installed on the system vs. the number of patches approved for installation based on patch policies. The thresholds for the indicator is determined based on the following ranges:



Compliant: 80% to 100%



Needs Review: 60% up to 80%



Not Compliant: 0% up to 60%

Patch Compliance by Severity

This chart displays the percentage of patches that have been successfully installed within the severity level, separated into series of patch severity (as categorized by Microsoft).

Patch Compliance by CVSS Score

This chart displays the percentage of patches that have been successfully installed within each CVSS level, separated into series of CVSS scores (as categorized by NIST).

Non-Compliant Devices

Displays a list of devices that are at risk due to a non-compliant configuration. Each device displays its name and location; operating system installed; percentage of patch compliance (with a bar to visualize the percentage); the number of patches Installed, Not Attempted, and Failed (labelled as I / NA / F); the date the device was last patched; the date the device was last scanned; and current compliance status.

Device Compliance Status

Devices can display different compliance statuses due to the following risks:

Outdated Patch Inventory

The patch inventory has not been updated in the last 30 days.

Pending Reboot

The computer may require a reboot in order to complete installation of patches.

Agent Offline

The computer has not been contacted within the last 15 days and may require patches installed.

Missing Patches

The computer is missing one or more patches due to either a patch that has not yet attempted to install.

Failed Patches

The computer is missing one or more patches due to one or more failed installation attempts.

Non-Compliant Patches

Displays a list of patches that are not fully distributed to approved devices. Each patch displays its title and KB article ID; operating system that the patch applies to; Microsoft's patch category and severity level; NIST's CVSS score level; date patch was released; and number of devices that the patch has not yet attempted to install or failed to install (labelled as NA and F, respectively).



Prepared by
InhouseCIO for ABC
Wealth
March / 2024



Contents

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Where are backups kept?

Microsoft 365 environment

What is backed up?

The following locations are included:

- Exchange mailboxes
- OneDrive accounts
- SharePoint classic and communication sites
- Microsoft 365 Group mailboxes & sites
- Teams channel messages
- Teams chats and Copilot interactions.

When is it backed up? How often?

Several situations generate a backup:

- When a list item or file is first created or when a file is uploaded.
- When a file is uploaded that has the same name as an existing file.
- When the properties of a list item or file are changed.
- When an Office document is opened and saved. After a document is opened again, a new version will be created after an edit is saved.
- Periodically, when editing and saving Office documents. Not all edits and saves create new versions. When saving edits frequently, for example, each new version captures a point in time rather than each individual edit. This is common when autosave is enabled.
- During co-authoring of a document, when a different user begins working on the document or when a user clicks save to upload changes to the library.



How many versions/copies of a document are kept?

- Keep the following number of major versions: 500 versions.
- Retention forever (more details below)

Backup: There are two types of backup running

1. Site Level

- This is called Auto versioning you can store, track, and restore items in a list and files.
 Versioning, combined with other settings, such as checkout, gives you a lot of control of the content that is posted on your site and can provide real value if you ever need to look at or restore an old version of an item or file.
- You can set unlimited versions that allow you to restore files from last year's deleted versions that will go to the Recycle Bin.

2. Tenant Level:

 Microsoft backup every 12 hours and data is kept for 14 days, and you can request a site to be restored.

Archive: Working as below:

Retention Policy follows two Paths:

- If the data is deleted or modified:
 - A copy of the data will be placed on the Preservation Hold Library
 - A timer job that runs periodically will identify which files/folder retention period has expired.
 - Files/Folders are permanently deleted within seven days at the end of the retention period.
- If the data is not deleted or modified:
 - Data will move to the First Stage Recycle bin at the end of the retention period.
 - If the data is emptied from the Recycle bin, the Data is moved to the Second Stage Recycle bin.
 - After 93 days data will be permanently deleted

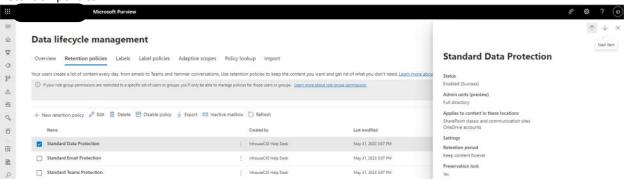
How does versioning work in a SharePoint list or library?

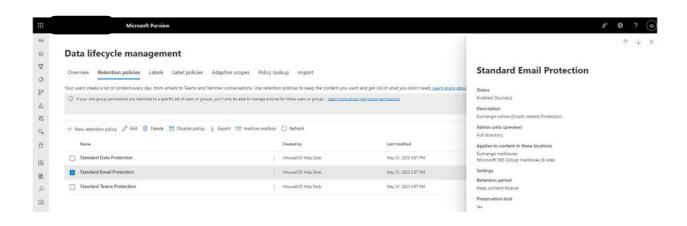
Click Here

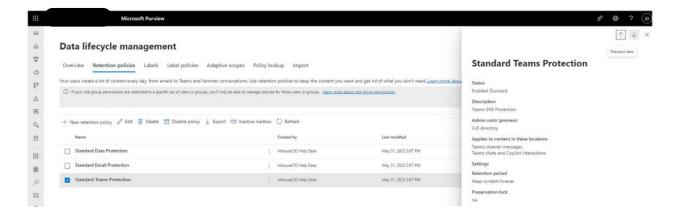


Proof of valid backups

Retention policies



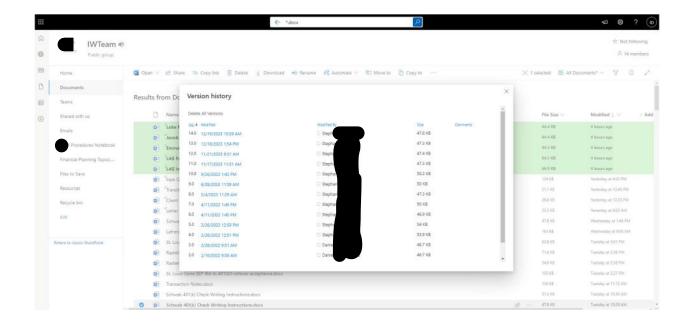


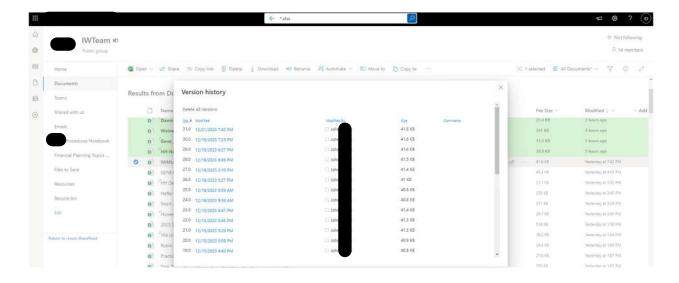




SharePoint versioning





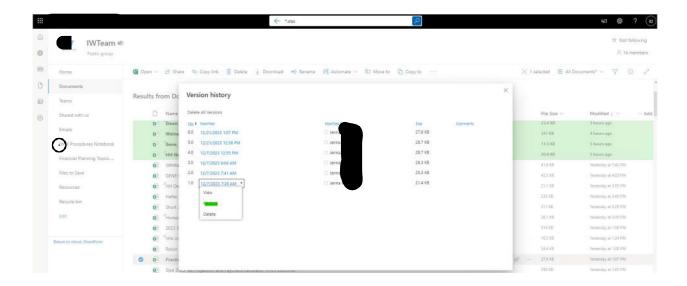




Proof of Restored Backup Testing

View version history in SharePoint Online:

- 1- Open the list or library from the Quick Launch bar. If the name of your list or library does not appear, click **Site Contents** or **View All Site Content**, and then click the name of your list or library.
- 2- Right-click on the space between the item or document name and date and then click Version History from the menu or ellipsis (...). You might need to scroll the menu to see Version History.
- 3- In the **Version History** dialog, hover next to the version you want to view and click the down arrow on the right side to get view details or restore.



Professional Services (Past 6 Months)

ABC Wealth	Service Type:	Request	# of Tickets:	11
Managed Services			# of Tickets:	11
ABC Wealth	Service Type:	Incident	# of Tickets:	11
Managed Services			# of Tickets:	11
ABC Wealth	Service Type:	Audit	# of Tickets:	1
Managed Services			# of Tickets:	1
ABC Wealth	Service Type:	Problem	# of Tickets:	2
Managed Services			# of Tickets:	2
ABC Wealth	Service Type:		# of Tickets:	3
Managed Services			# of Tickets:	3
			Total Tickets:	28

CSATKEY METRICS

Net CSAT Score

100.0

+100.0

Response Rate

35.6

+35.6

Reviews

21

+21

100.0%

+100.0%

0.0%

+0.0%

0.0%

+0.0%

CSAT REVIEWS WITH COMMENTS

26 Jan 2024 Ticket <u>672388</u> – Scans are failing – and not coming into our MyScans folder.

Heidi Responsive and always helpful!

10 Jan 2024 Ticket 670214 - Adobe PDF

Heidi Always timely and pleasant and gets things xed right away.

28 Nov 2023 Ticket 663207 - Website Hosting Logins- For Sam H

Tania: Sam is always helpful and a pleasure to work with. We feel like we have a true partner.

20 Nov 2023 Ticket 664986 - Outlook Issues - Blue Orb Spinning - Cannot use my email. Also possible Adobe issues??

Heidi Zack was very helpful and super fast. He knew exactly what was happening and rectified it quickly. He went through everything with me to make 100% certain all was

functioning properly.

26 Oct 2023 Ticket <u>662300</u> - Password reset

Ernest : Great service...thanks

02 Oct 2023 Ticket 659251 - NetDocuments Error/Issue

Heidi Zack Z was helpful and very quick.

19 Jul 2023 Ticket 649991 - CRM not opening

Jeffrey : Quick efficient and timely manner in which request was entered and i received a phone call which led to a resolution. Thank you.

22 Jun 2023 Ticket 645118 - NEW TICKET REQUEST FOR GUEST WIFI ISSUES

Heidi Persistently pursued and repaired the problem! Thank you!

17 May 2023 Ticket <u>641334</u> – Possible Compromise– Received a spyware pop-up-EMERGENCY

Heidi: As always Sam is calm and efficient and gets everything checked straight away. Always a pleasure to work with Sam.

26 Apr 2023 Ticket 639175 – Update Role in Microsoft Suite/Online

Heidi We ask/request and InhouseCIO makes it happen!

18 Apr 2023 Ticket <u>638220</u> – RE: InhouseCIO Client Portal Password Setup

Heidi Always timely and always solves the problem!

07 Mar 2023 Ticket 633271 - Link Heidi's Computer to Sharepoint scan folder and printer

Heidi Sam is patient and very helpful. He works to make sure I understand all aspects of what we are trying to accomplish.

08 Feb 2023 Ticket <u>630301</u> - Ticket

Tania : Mark has been FANTASTIC!