



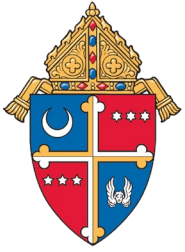
The Roman Catholic Archdiocese *of* Washington

Bookkeeper & Parish Security Presentation

<https://attendee.gotowebinar.com/recording/466699134879891457>

Information Technology

Michael I. Wilson



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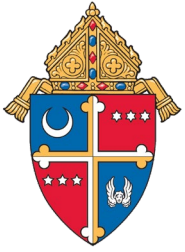
Security practices with the most bang for the buck

Why should you listen to this?

The data in this presentation was extrapolated from the 2022 Verizon DBIR, “Data Breach Investigation Report”. Verizon has published the DBIR for 15 years and it is considered the definitive reference on real-world cyber breaches.

In 2022:

5,212	breaches were analyzed
23,896	security incidents were reviewed

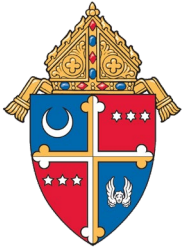


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Why should you listen to this?

- Most breaches, 82%, involved a human element
- Social engineering was implicated in 20% of breaches
- About two-thirds of breaches involved phishing, stolen credentials and/or ransomware
- The top key paths to data breaches are:
 - Credentials
 - Phishing
 - Exploiting vulnerabilities(No organization is safe without a way to handle them all)
- Almost four out of five breaches were attributed to organized crime
- The number one motive was financial gain



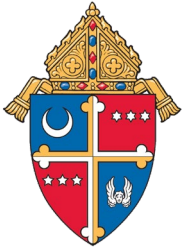
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This message sounds depressing!

Is there anything you can do?

**YES, implement the following 10 controls
to lower your risk.**



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Top 10 Controls to Implement

Control	Control Description
Establish and Maintain Detailed Asset Inventory (Secure Configuration)	Establish and maintain an accurate, detailed, and up-to-date inventory of all assets with the potential to store or process data. Review and update the inventory of all enterprise assets bi-annually, or more frequently.
Securely Dispose of Data (Access Control)	Securely dispose of data and ensure the disposal process and method are commensurate with the data sensitivity.
Encrypt Data on End-User Devices (Access Control)	Encrypt data on end-user devices containing sensitive data. Example implementations can include Windows BitLocker®, Apple FileVault®
Encrypt Data on Removable Media (Access Control)	Encrypt data on removable media.
Encrypt Sensitive Data at Rest (Access Control)	Encrypt sensitive data at rest on servers, applications, and databases containing sensitive data.



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Top 10 Controls to Implement (continued)

Control	Control Description
Configure Automatic Session Locking on Parish Assets (Secure Configuration)	Configure automatic session locking on Parish assets after a defined period of inactivity. For general purpose operating systems, the period must not exceed 15 minutes. For mobile end-user devices, the period must not exceed 2 minutes.
Establish and Maintain an Inventory of Accounts (Access Control)	Establish and maintain an inventory of all accounts managed in the Parish. The inventory must include both user and administrator accounts. The inventory, at a minimum, should contain the person's name, username, start/stop dates, and department. Validate that all active accounts are authorized, on a recurring schedule at a minimum quarterly, or more frequently.
Use Unique Passwords (Secure Configuration)	Use unique passwords for all Parish assets. Best practice implementation includes, at a minimum, an 8-character password for accounts using MFA and a 14-character password for accounts not using MFA.
Disable Dormant Accounts (Access Control)	Delete or disable any dormant accounts after a period of 45 days of inactivity, where supported.
Deploy and Maintain Anti-Malware Software (Secure Configuration)	Deploy and maintain anti-malware software on all Parish assets.



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Our Security Awareness partner, KnowBe4 offers a free course for your family:

<https://www.knowbe4.com/homecourse>

Password: homecourse



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Low tech email impersonation scam

On Tue, Jan 31, 2023 at 4:41 PM Rev. Gary Studniewski <revfrparish1112@gmail.com<<mailto:revfrparish1112@gmail.com>>> wrote:

Hello Nancy,

if you get a chance, could you manage a request? I'd appreciate an email.

Peace and blessings,
Rev. Gary Studniewski
Pastor

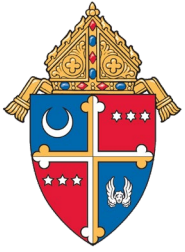
On Tue, Jan 31, 2023 at 1:48 PM Nancy Ryan <nryan20815@gmail.com<<mailto:nryan20815@gmail.com>>> wrote:
Not sure what the request is you are referring to but always glad to try!

Let me know what you need.

I will be at the Sodality luncheon on Thurs if you want to chat.

On Wed, Feb 1, 2023 at 8:25 AM Rev. Gary Studniewski <revfrparish1112@gmail.com<<mailto:revfrparish1112@gmail.com>>> wrote:
Good to hear from you! Please, Here is what I want you to do for me because I'm a little busy this week. I have been working on incentives and I aim at surprising some of our diligent staff with gift cards today. This should be Confidential until they all have the gift cards in their email, as it's a surprise and you will keep one for yourself too. Please let me know if you can help purchase them now? I will await your email.

Peace and blessings,
Rev. Gary Studniewski
Pastor



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Low tech email impersonation scam

On Wed, Feb 1, 2023 at 6:31 AM Nancy Ryan <nryan20815@gmail.com<mailto:nryan20815@gmail.com>> wrote:
I could get some today and deliver to parish center around 3:30 if that works for you. Or could bring to Sodality lunch tomorrow.

How many and in what amounts? And from where? Do you want Starbucks cards? Those are easy.

Or Amazon has a gift card you can email.

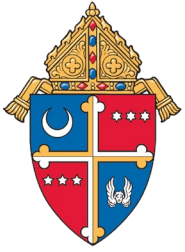
Just let me know how you want to proceed.

From: Rev. Gary Studniewski <revfrparish1112@gmail.com<mailto:revfrparish1112@gmail.com>>
Date: Wed, Feb 1, 2023 at 9:42 AM
Subject: Re: Nancy Ryan
To: Nancy Ryan <nryan20815@gmail.com<mailto:nryan20815@gmail.com>>

Thank you so much!

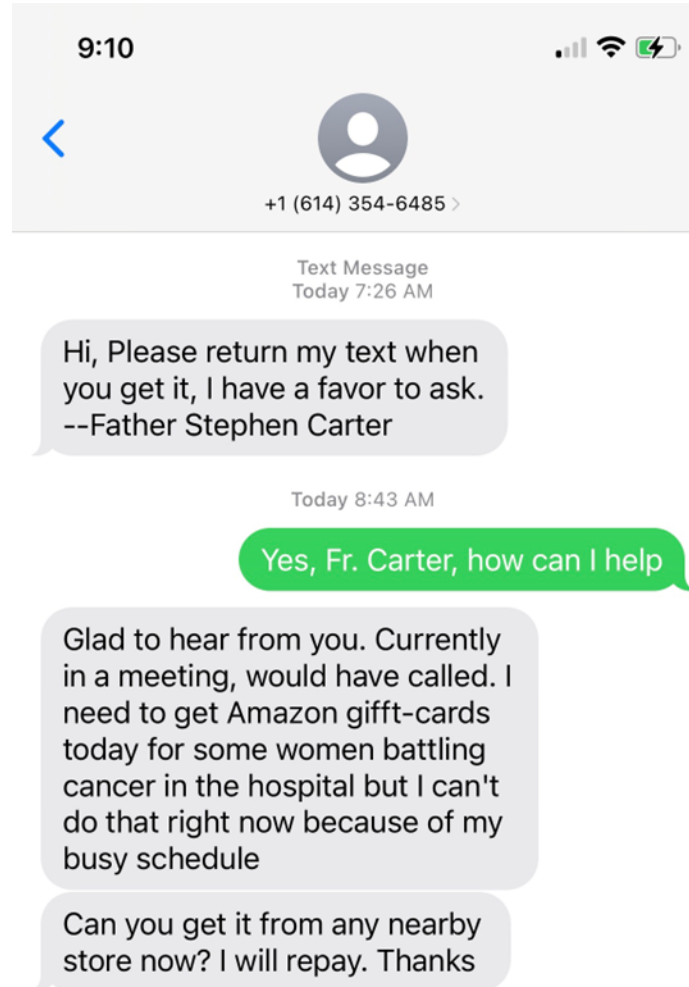
I will appreciate it if you can help get them now. I need you to help purchase 7 quantities of Amazon gift cards of \$100 each totalling \$700. You should get them at any store around. After you get them, Please scratch the back of each card to reveal pins, then take a clear picture of each card and send them to me via email, so I can easily forward them to each staff member myself. Keep the physical cards for reference, Because you will be reimbursed later. Please Let me know when you are on your way to the store. I will await your email.

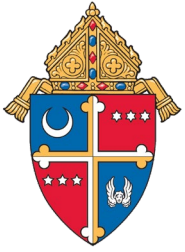
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SMISHING – SMS Phishing





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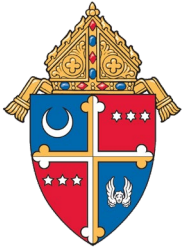
Questions?

Contact me:

Michael I. Wilson

301-853-4494

wilsonmi@adw.org



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Michael's answers to questions asked during the webinar

- Company used by ADW to safely destroy unused computer hardware: Great Chesapeake Communications, please contact Don: Don@GreatChesapeake.com
- How to encrypt email messages in Outlook: https://support.microsoft.com/en-us/office/encrypt-email-messages-373339cb-bf1a-4509-b296-802a39d801dc#ID0EBBD=Newer_versions
- Software used by ADW to inventory computer assets: Asset Tiger: <https://www.myassettag.com/assettiger/dashboard>
- For recommendations of local computer help: contact Michael at WilsonMI@adw.org
- Information on biometric logins:
 - Windows Hello is the biometric login system for Windows 10 and 11. Microsoft has a great setup walkthrough: <https://support.microsoft.com/en-us/windows/learn-about-windows-hello-and-set-it-up-dae28983-8242-bb2a-d3d1-87c9d265a5f0>
 - Apple Macintosh computers with a fingerprint sensor (TouchID) can be setup for fingerprint login using this walkthrough: <https://support.apple.com/guide/mac-help/use-touch-id-mchl16fbf90a/mac>