Email Analysis & Forensics

Thomas Benos

MSc UniWA, Cisco CyberOps GR CSIRT Incident Responder thomasbenos1291@gmail.com

Agenda

- Email Fundamentals and Delivery Process
- Email Structure and Analysis
- Email Forensic Artifacts
- Labs

Email Fundamentals and Delivery Process

E-mail Analysis Introduction

- Common Social Engineering Attacks
 - > Spam
 - > Phishing
- Email Address
 - User Mailbox (or Username)
 - > @
 - > Domain
 - Example: <u>user1234@goodmail.com</u>

E-mail Analysis Introduction

Types of malicious emails:

- Spam unsolicited junk emails sent out in bulk to a large number of recipients.
- **Phishing** emails sent to a target(s) claiming to be from a trusted entity to lure individuals into providing sensitive information.
 - Spear phishing phishing targeting a specific individual(s) or organization.
 - Whaling targeting specifically high-position individuals.
- **Smishing** targets mobile devices with specially crafted text messages.
- Vishing attacks are based on voice calls.

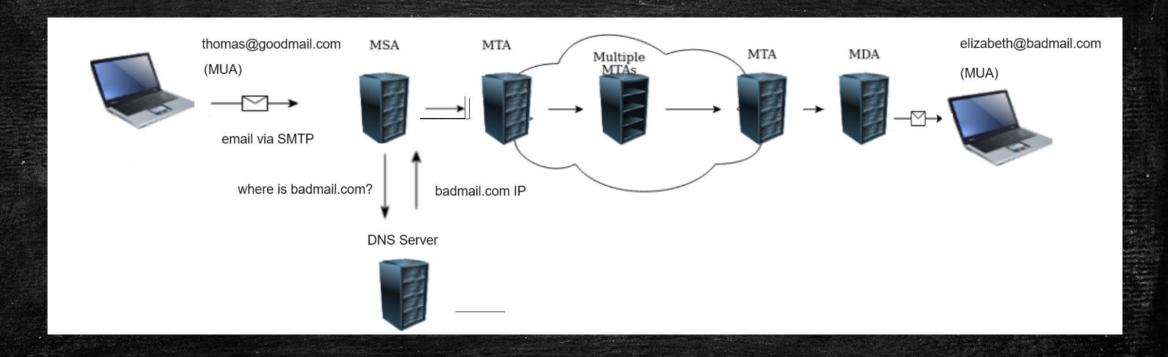
E-mail Analysis Introduction

- Email spoofing
- Sense of urgency
- Trusting entity
- Poorly formatted or written HTML code
- Generic content (Dear Sir/Madam)
- Hyperlinks
- Attachment posing as a legitimate document

E-mail Delivery

- E-mail delivery protocols:
 - > SMTP Handles sending
 - POP3 Handles transfer
 - E-mails stored on single device and can only be accessed by that device
 - When downloaded -> deleted from email server, unless "Keep email on server" is enabled
 - > IMAP Handles transfer
 - E-mails stored on server can be synced downloaded to many devices

E-mail Delivery



Email Structure and Analysis

E-mail Analysis - Things to Consider

- What a user can see, is different from what the actual mail contains
- SMTP uses simple text format, but some clients store them in binary format
- Working with languages other than english, means that special attention should be given to the Unicode characters.
- Large quantities mean that there is a need for de-duplication and filtering.
- Attachments are the biggest part of the data, need special analysis and are the main infection reason (with second to follow the malicious links).
- Attachments are the files in ASCII base-64 encoding
- Much of the Headers can be spoofed. Complete reliable headers are only from the MTAs that we trust.

E-mail Analysis - Email Example

```
Return-Path: <postmaster@multwell.net>
Delivered-To: *****@********
id E6082BEA45; Mon, 11 Oct 2021 13:24:28 +0300 (EEST)
X-Spam-Checker-Version: SpamAssassin 3.3.2 (2011-06-06) on mailer.*********
X-Spam-Level:
X-Spam-Status: No. score=-2.0 required=6.0 tests=HTML MESSAGE.RCVD IN DNSWL HI.
       SPF HELO NONE, URIBL BLOCKED, URI FIREBASEAPP autolearn=ham version=3.3.2
Received: from ml.********* (mail.******** [192.168.250.47])
       (using TLSv1 with cipher AECDH-AES256-SHA (256/256 bits))
       (No client certificate requested)
       by mailer.******** (Postfix) with ESMTPS id 8A9B4BEA42
       for <*****@*************; Mon, 11 Oct 2021 13:24:27 +0300 (EEST)
Received: by ml.********* (Postfix, from userid 506)
       id 1E46F12A1D6; Mon, 11 Oct 2021 13:24:26 +0300 (EEST)
X-Greylist: from auto-whitelisted by SQLgrey-
Received: from srv3.multwell.net (srv3.multwell.net [107.175.239.113])
       (using TLSv1.2 with cipher ECDHE-RSA-AES256-GCM-SHA384 (256/256 bits))
       (No client certificate requested)
       by ml.******** (Postfix) with ESMTPS id D9D4812A1CB
       for <*****@**************** Mon, 11 Oct 2021 13:24:21 +0300 (EEST)
From: Support@ml.*********, Team@ml.********
Subject: Attention: You have over 16 pending messages hanging on the server !!!
Date: 11 Oct 2021 03:24:18 -0700
Message-ID: <20211011030105.BA19BE6C82CF2594@multwell.net>
MIME-Version: 1.0
List-Unsubscribe: <mailto:postmaster@multwell.net>
Content-Type: multipart/alternative;
       boundary="---= NextPart 000 0012 8F29238E.B52D7161"
-----=_NextPart_000_0012_8F29238E.B52D7161
Content-Type: text/plain;
       charset="utf-8"
Content-Transfer-Encoding: quoted-printable
Dear=C2=A0******@**********.=C2=A0
You receive this email because your mailbox (*****@*********)=20
has multiple e-mail messages hanging on the server due to limited=20
memory space
Your mailbox may not receive e-mail because of insufficient=20
storage space.
Click on the link below to increase your storage capacity.=C2=A0
=C2=A0
CLICK HERE TO INCREASE YOUR EMAIL STORAGE CAPACITY=20
(=C2=A0https://webst2e7a952a60b98d51bc9.web.app/#*****@*********=C2=A0)
=C2=A0
```

Headers

Body

E-mail Analysis - Email Example

Action recommended: Ensure your resources that interact with Azure services are using TLS 1.2 by 31 October 2024 hour x







Microsoft Azure <azure-noreply@microsoft.com>

to me



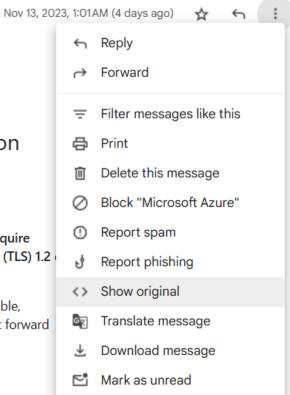
If you have resources that interact with Azure services and still use TLS 1.1 or earlier, transition them to TLS 1.2 or later by 31 October 2024

You're receiving this email because you're an Azure customer.

To enhance security and provide best-in-class encryption for your data, we'll require interactions with Azure services to be secured using Transport Layer Security (TLS) 1.2 later beginning 31 October 2024, when support for TLS 1.0 and 1.1 will end.

The Microsoft implementation of older TLS versions is not known to be vulnerable, however, TLS 1.2 and later offer improved security with features such as perfect forward secrecy and stronger cipher suites.

Recommended action



E-mail Analysis - Email Body

Dear ******@*****************,

You receive this email because your mailbox (amscc@*********) has multiple e-mail messages hanging on the server due to limited memory space

Your mailbox may not receive e-mail because of insufficient storage space.

Click on the link below to increase your storage capacity.

<u>CLICK HERE TO INCREASE YOUR EMAIL STORAGE CAPACITY</u>

Dear=C2=A0******0*********,=C2=A0

You receive this email because your mailbox (*****@*********)=20 has multiple e-mail messages hanging on the server due to limited=20 gemory space

Your mailbox may not receive e-mail because of insufficient=20 storage space.

Click on the link below to increase your storage capacity.=C2=A0

=C2=A0

CLICK HERE TO INCREASE YOUR EMAIL STORAGE CAPACITY=20 (=C2=A0https://webst2e7a952a60b98d51bc9.web.app/#****@********=C2=A0)

=C2=A0

E-mail Analysis - Email Headers

FROM, TO, CC, BCC, Subject, Date

- Received
 - Each MTA adds a "Received" which includes the IP of the server, Server Name, date, time, timezone.
 - > The order that the e-mail was sent, is from Bottom to Top
 - Spammers could insert fake "Received"

```
Received: from st14p23im-asmtp004.me.com (st14p23im-asmtp004.me.com. [17.164.101.35])
by mx.google.com with ESMTPS id y23si4998397qkj.210.2018.03.15.04.12.37
for cprateep.gedupudi@gmail.com>
    (version=TLS1_2 cipher=ECDHE-RSA-AES128-GCM-SHA256 bits=128/128);
Thu, 15 Mar 2018 04:12:37 -0700 (PDT)
```

E-mail Analysis - Email Headers

- Message ID: Provided by the originating mail server and is a Unique Identifier followed by @ and the server name.
- X-Originating-IP: Optional. Used to track the IP of the computer that sent the message.
- X-Mailer: Email client used to create the email message. (Web or Locally)
- Reply-To: The email address a reply email will be sent to
- Return-Path: where bounce-back information will be sent to, for unsuccessful delivery of the email

E-mail Analysis - Email Headers

```
Return-Path: <postmaster@multwell.net>
Delivered-To: *****@********
Received: by mailer. ********* (Postfix, from userid 506)
       id E6082BEA45; Mon, 11 Oct 2021 13:24:28 +0300 (EEST)
X-Spam-Checker-Version: SpamAssassin 3.3.2 (2011-06-06) on mailer.**
X-Spam-Level:
X-Spam-Status: No, score=-2.0 required=6.0 tests=HTML MESSAGE,RCVD IN DNSWL HI,
       SPF HELO NONE, URIBL BLOCKED, URI FIREBASEAPP autolearn=ham version=3.3.2
Received: from ml.********* (mail.******** [192.168.250.47])
        (using TLSv1 with cipher AECDH-AES256-SHA (256/256 bits))
        (No client certificate requested)
        by mailer.********* (Postfix) with ESMTPS id 8A9B4BEA42
        for <*****@***********; Mon, 11 Oct 2021 13:24:27 +0300 (EEST)
Received: by ml.********* (Postfix, from userid 506)
       td 1E46F12A1D6; Mon, 11 Oct 2021 13:24:26 +0300 (EEST)
X-Grevlist: from auto-whitelisted by SOLgrev-
Received: from srv3.multwell.net (srv3.multwell.net [107.175.239.113])
        (using TLSv1.2 with cipher ECDHE-RSA-AES256-GCM-SHA384 (256/256 bits))
        (No client certificate requested)
       by ml.******** (Postfix) with ESMTPS id D9D4812A1CB
       for <******0************; Mon, 11 Oct 2021 13:24:21 +0300 (EEST)
From: Support@ml.******** Team@ml.********
To: **********
Subject: Attention: You have over 16 pending messages hanging on the server !!!
Date: 11 Oct 2021 03:24:18 -0700
Message-ID: <20211011030105.BA19BE6C82CF2594@multwell.net>
MIME-Version: 1.0
ist-Unsubscribe: <mailto:nostmaster@multwell nets
```

E-mail Analysis - SPF

- Server Authenticity Sender Policy Framework (SPF)
 - Prevention of Email Spoofing Detects forged sending addresses
 - Verification of Sending IP Addresses Validates the sending IP address to the originating domain
 - Identification of Authorized Mail Servers Allows organizations to identify which mail servers are allowed to send mails from their domain
 - Received-SPF: "Pass", "Fail", "SoftFail", "Neutral", "None"
 - We should pay special concern to Received-SPF: Fail

Received-SPF: pass (google.com: domain of 0100018bd2bb3f9e-6c71474e-48f7-4264-b72f-136ce236fb6e-000000@amazonses.com designates 54.240.48.184 as permitted sender) client-ip=54.240.48.184;

E-mail Analysis - DKIM

- DomainKeys Identified Mail (DKIM)
 - DKIM-Signature Added to the header Validates the message content has not been changed
 - Verification of Message Integrity A valid DKIM check authenticates the sending domain and ensures elements of the message were not altered
 - Public Key Cryptography Private key is held by the sending domain recipients verify the signature using the public key in sender's DNS records
 - > SPF and DKIM pass increase our trust in the other headers

DKIM-Signature: v=1; a=rsa-sha256; q=dns/txt; c=relaxed/simple; s=224i4yxa5dv7c2xz3womw6peuasteono; d=amazonses.com; t=1700047568; h=Date:To:From:Reply-to:Subject:Message-ID:Sender:MIME-Version:Content-Transfer-Encoding:Content-Type:Feedback-ID; bh=5fYvNPXDWJaibiBFCYHb54SiInEWcBDLHbmK3JDUcuE=; b=Vtma7zJVXFR0YzoMANANq8lln6gFUU590YJhuDkm8/BEBhiMJBrmJ9dikKYrmP9h Bh7PUgPUYQOMUUsNil5b0Aa72CcJQqlXjHz79jMV4SzCvRZxmd1c5XOxWlHp2yMSeKI gCtLoeNyEeZV8GjCS1Ddy5b1dWjbGk4vshepnwHM=

E-mail Analysis - DMARC

- Domain-based Message Authentication, Reporting, and Conformance (DMARC)
 - Email Authentication and Alignment ensures alignment between sender's domain and domain in "From"
 - Policy Enforcement domain owners define policies of what should be done if SPF and DKIM checks fail
 - none (just monitor)
 - quarantine (deliver to spam/quarantine folder);
 - reject (block the email)
 - DMARC pass increase overall trust

```
Authentication-Results: mx.google.com;

dkim=pass header.i=@netacad.com header.s=p74v6vscrr5r4ayt74lg7qugkee6oujj header.b=Cs7oCuIC;

dkim=pass header.i=@amazonses.com header.s=224i4yxa5dv7c2xz3womw6peuasteono header.b=Vtma7zJV;

spf=pass (google.com: domain of 0100018bd2bb3f9e-6c71474e-48f7-4264-b72f-136ce236fb6e-000000@amazonses.com designates 54.240.48.184
as permitted sender) smtp.mailfrom=0100018bd2bb3f9e-6c71474e-48f7-4264-b72f-136ce236fb6e-000000@amazonses.com;

dmarc=pass (p=NONE sp=NONE dis=NONE) header.from=netacad.com
```

E-mail Analysis - DMARC

```
Authentication-Results: mx.google.com;
   dkim=pass header.i=@netacad.com
header.s=p74v6vscrr5r4ayt74lg7qugkee6oujj header.b=Cs7oCuIC;
   dkim=pass header.i=@amazonses.com
header.s=224i4yxa5dv7c2xz3womw6peuasteono header.b=Vtma7zJV;
   spf=pass (google.com: domain of 0100018bd2bb3f9e-6c71474e-48f7-
4264-b72f-136ce236fb6e-000000@amazonses.com designates
54.240.48.184 as permitted sender) smtp.mailfrom=0100018bd2bb3f9e-
6c71474e-48f7-4264-b72f-136ce236fb6e-000000@amazonses.com;
   dmarc=pass (p=NONE sp=NONE dis=NONE) header.from=netacad.com
```

E-mail Analysis - Attachments

R: Τραπεζική μεταφορά_ 2021-03-26_ Swift αντίγραφο



Εθνική Τράπεζα της Ελλάδος S.A. <info@nbgrr.xyz>
Το stya@******



NBG.S.A, TT.Swift_260321_scan.zip 167 KB

Καλό απόγευμα,

Ο πελάτης μας μας ζήτησε να στείλουμε ένα αντίγραφο της συνημμένης μεταφοράς πληρωμής στη

διεύθυνση e-mail σας.

Διεύθυνση ηλεκτρονικού ταχυδρομείου: stya@*****

Επιβεβαιώστε την παραλαβή των χρημάτων και απαντήστε ανάλογα.

Τις καλύτερες ευχές.

Άδωνης Ευαγόρου.

(Τμήμα Εξυπηρέτησης Πελατών)

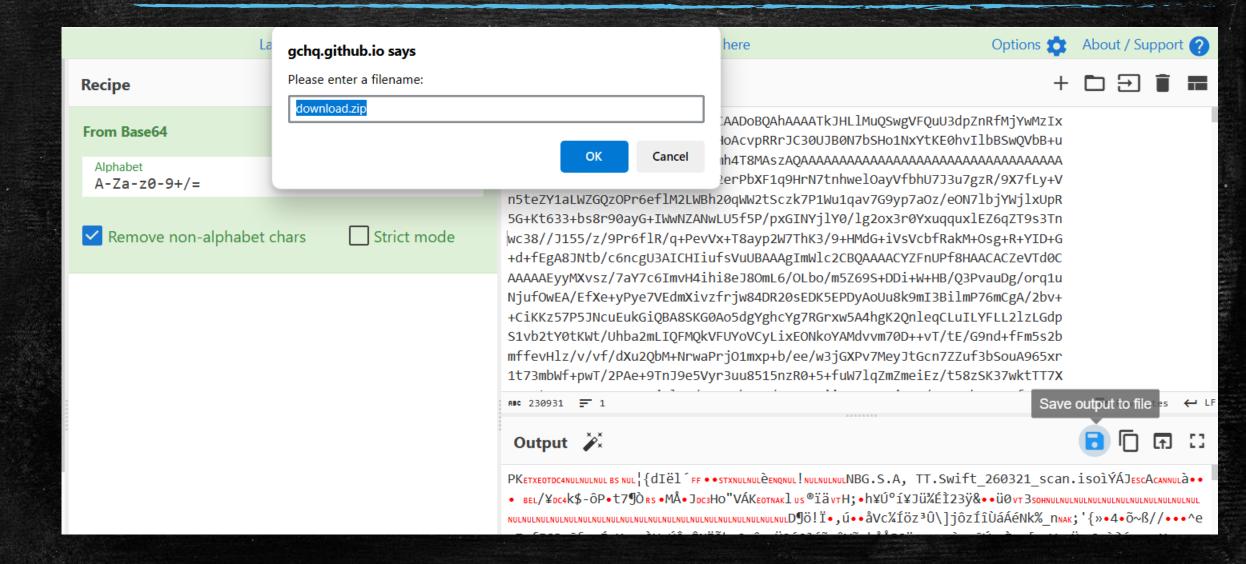


Content-Type: application/zip; name="NBG.S.A, TT.Swift_260321_scan.zip"
Content-Transfer-Encoding: base64

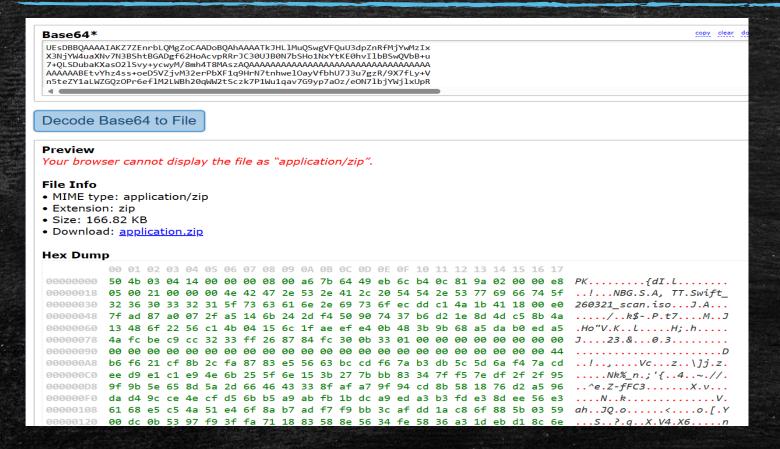
Content-Disposition: attachment; filename="NBG.S.A, TT.Swift_260321_scan.zip"

UEsDBBQAAAAIAKZ7ZEnrbLQMqZoCAADoBQAhAAAATkJHLlMuQSwqVFQuU3dpZnRfMjYwMzIx X3NjYW4uaXNv7N3BShtBGADqf62HoAcvpRRrJC30UJB0N7bSHo1NxYtKE0hvI1bBSwQVbB+u AAAAAABEtvYhz4ss+oeD5VZjvM32erPbXF1q9HrN7tnhwelOayVfbhU7J3u7qzR/9X7fLy+V n5teZY1aLWZGQzOPr6ef1M2LWBh20qWW2tSczk7P1Wu1qav7G9yp7aOz/eON71bjYWj1xUpR 5G+Kt633+bs8r90ayG+IWwNZANwLU5f5P/pxGINYjlY0/lq2ox3r0YxuqquxlEZ6qZT9s3Tn wc38//J155/z/9Pr6f1R/g+PevVx+T8ayp2W7ThK3/9+HMdG+iVsVcbfRakM+Osg+R+YID+G +d+fEqA8JNtb/c6ncqU3AICHIiufsVuUBAAAqImWlc2CBQAAAACYZFnUPf8HAACACZeVTd0C AAAAAEyyMXvsz/7aY7c6ImvH4ihi8eJ8OmL6/OLbo/m5Z69S+DDi+W+HB/Q3PvauDg/orglu NjufOwEA/EfXe+yPye7VEdmXivzfrjw84DR2OsEDK5EPDyAoUu8k9mI3BilmP76mCqA/2bv+ +CiKKz57P5JNcuEukGiQBA8SKG0Ao5dqYqhcYq7RGrxw5A4hqK2QnleqCLuILYFLL21zLGdp S1vb2tY0tKWt/Uhba2mLIQFMQkVFUYoVCyLixEONkoYAMdvvm70D++vT/tE/G9nd+fFm5s2b mffevHlz/v/vf/dXu2QbM+NrwaPrj01mxp+b/ee/w3jGXPv7MeyJtGcn7ZZuf3bSouA965xr 1t73mbWf+pwT/2PAe+9TnJ9e5Vyr3uu8515nzR0+5+fuW7lqZmZmeiEz/t58zSK37wktTT7X PVG6tEOEP7v0JnwnP3Hj0134/vUHS5b+HN/G369e+ii+C++500jw7B/+vB7GbpesLGfJo7ey xN9JZpcypBTGliCywSI6+0wxY8yBZ43orRE2URb9XfmysNWIGNlGIfy78qXPlb8d6xh7quGv y8Ru+6WJ/c/+g0dWE/u3fz0VVRsUfJ9bnEBoSbITV/6cjN01c+3KTymfYmxbVqLvY/EsZ3/3 58a/mQYY2/C4BOBEXWv+Ca5r5r0JwDAl/GsEwwS3dt3auxkjmiCG51d41H+o77+bdv//+x/+ 1WtnI2cbIk02u1KE9zzNk61mRubnOrTMtjnVLDrf4tVVh67adFXWc+avdbP+aokxn18r3Yb8 mGdHwCuybkdWZNUgi3psMc9pI82LNK1pILJqgGn5NWtQlmaJ/c15C+1P+v32x+u59nxRLbc/ 3m3eF611fPu87npxywDy65Bkf3JBvf3xWm7u1v6IHJRYRCW29CHfa3/c4zDvQ3L367L9ya6M vphn0ButHQaKa4CHZ8AS9WR7CRFCPWcRENHVbP1IxMMt5U3cvvUBXdcjmxbryip9fQmwR6nW LpRR6rUmW0gK9Hp00yrq9XAZH3QFAPr6xQHUtUbUpZUuRiCgHzU6HHQCzhvSg+FZ1QxQi0WL NuSLdkEngyQNSF+x3NW190A+B9NuL7S07wQZtRd897yYa2HMH9AWmeShfSbljtj9kkuvKH0M

E-mail Analysis - Attachments



E-mail Analysis - Attachments



https://base64.guru/converter/decode/file

E-mail Analysis - Tools

Header analysis:

- Message Header Analyzer: https://mha.azurewebsites.net/
- MxToolbox: https://mxtoolbox.com/EmailHeaders.aspx

Sender IP address reputation:

- VirusTotal: https://www.virustotal.com/gui/
- AbuseIPDB: https://www.abuseipdb.com/

E-mail Analysis - Tools

Email body analysis:

- URL Extractor: https://www.convertcsv.com/url-extractor.htm
- CyberChef: https://gchq.github.io/CyberChef/
- PhishTool: https://www.phishtool.com/

Attachment (malware) analysis:

- Any.Run: https://app.any.run/
- Analysis: https://www.hybrid-analysis.com/
- Joe Sandbox: https://www.joesecurity.org/

Email Forensic Artifacts

E-mail Forensic Artifacts - Host

- Email stored on Local Machine
- Identify storage locations
 - > Find via filetype searches
 - Review email client configuration info
 - Search for index and message files
- Search for deleted archives
- A password may be needed

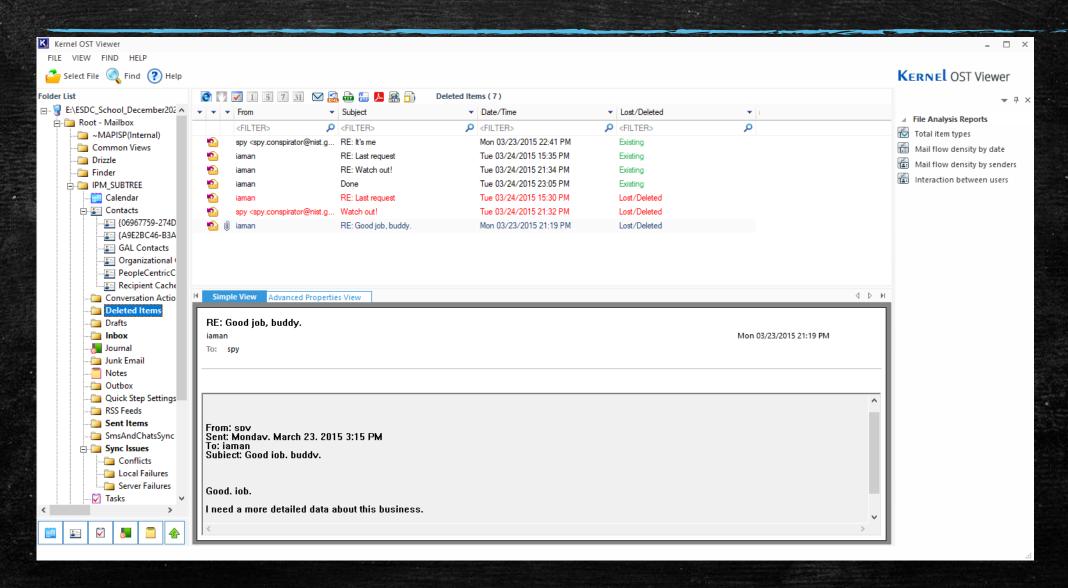
E-mail Forensic Artifacts - Outlook (POP3)

- File extension: PST
 - %AppData%\Local\Microsoft\Outlook (Outlook 2010-)
 - %UserProfile%\Documents\Outlook (Outlook 2013+)
- Registry: What archives are being used
 - HKEY_Current_User\Software\Microsoft\WindowsNT\CurrentVersion \Windows Messaging Subsystem\Profiles\Outlook
- Encryption\Obfuscation
 - > By default: Simple and Weak cipher
 - Options: Strong Password Encryption or No Encryption
- Tools:
 - Password Recovery: PstPassword (Nirsoft)
 - Kernel Outlook PST Viewer
 - Also pffexport in Linux

E-mail Forensic Artifacts - Outlook (IMAP)

- Exchange allows offline mail access (Cached Exchange Mode)
- Local files: .OST most of them remain on the exchange server
- Path: %USERPROFILE%\AppData\Local\Microsoft\Outlook
 - Contains last 12 months of user Exchange data up to 50 GB
- Orphan files are quite common
- Tools:
 - Kernel OST Viewer (nucleustechnologies)
 - Convert .OST to .PST: ost2pst.exe
 - Repair: scanost.exe (Native from outlook)
 - Also pffexport in Linux (Included in SIFT)

E-mail Forensic Artifacts - Outlook (Offline)



E-mail Forensic Artifacts - Outlook (Attachments)

- Secure Temp Folder:
 - %AppData%\Local\Microsoft\Windows\INetCache\Content.Outlook\ <random name subfolder> (IE11+)
 - %APPDATA%\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\<random name subfolder>
 - HKCU\Software\Microsoft\Office\<version>\Outlook\Security\OutlookSecureTempFolder
- Attachments persisted until Outlook 2007
- Attachments after Outlook 2007, are present only after closing the program before closing the attachment or on a crash
- Timestamp of the file is attached to the time of the email
- MFT \$Filename determine time attachment was opened

E-mail Forensic Artifacts - Server

- Most corporate environments employ dedicated mail servers
 - > Can also be hosted offsite or in the cloud
- Business considerations make getting forensic copies difficult
 - Expect massive amounts of data
 - Specialized tools may be required
- Deleted mail exist, but only for a short time

E-mail Forensic Artifacts - Server (Exchange)

- Exchange database is the container for user mailboxes
- Exchange 2007 and above use .EDB format
 - > Extensible Storage Engine (ESE) format
 - > Previously, .EDB and .STM files composed database
- EDB files store mail, attachments, contacts, journal, notes, tasks, calendar, and address book entries
- .log files contain messages not yet written to .EDB
- Exchange might be broken up into multiple storage groups, each with multiple .EDB databases
- Mailboxes can be exported in .PST file format

E-mail Forensic Artifacts - Server (Exchange)

• 2007

- C:\Program Files\Microsoft\Exchange Server\Mailbox\First Storage Group\Mailbox Database.edb
- C:\Program\Files\Microsoft\Exchange Server\Mailbox\First Storage Group\Public Folder Database.edb

• 2010+

- C:\Program Files\Microsoft\Exchange Server\V<version>\Mailbox Database\Mailbox Database.edb
- C:\Program Files\Microsoft\Exchange Server\V<version>\Public Folder Database\Public Folder Database.edb
- In any case through: Get-MailboxDatabase –Status | select "edbfilepath"
- Remember if an ESE DB is "dirty" clean it with eseutil
 - esentutl /mh "C:\Path\To\Database.edb"
 - esentutl /r "C:\Path\To\Database.edb" /d

E-mail Forensic Artifacts - Server (Exchange Recoverable Items)

- Deletions: SHIFT+DEL, remains in Deletion Folder for 14 days.
- **Purges**: After the 14 days, mails remain in the "Purges" for some time, depending on the server, where is permanently deleted.
- **Discovery Hold**: For after the 14 days period, check if "**Hold**" action was applied to the mailbox
- Logs: can show a lot about mailboxes, but are not enabled by default
- **Message tracing**: Message-ID, sender-recepient, dates, subject, size, delivery status, originating IP.
 - On by default, for 90 days.

E-mail Forensic Artifacts - Server (Exchange Recoverable Items)

Export mail:

- New-MailboxExportRequest -Mailbox < MailboxName> -Filepath <path\to\file>.pst (MS Exchange 2010)
- Export-Mailbox -Identity <MailboxName> -PSTFolderPath
 "<path\to\file>.pst (MS Exchange 2007)

Filter output:

- ➤ New-MailboxExportRequest -Mailbox <name> -Filepath <path\to\file>.pst -ContentFilter {(body -like "*whatever*") -and (Received -lt "01/11/21")}
- Also use the New-ComplianceSearch in Powershell
 - New-ComplianceSearch -Name "SearchName" -ExchangeLocation All -ContentMatchQuery "Subject:'Keyword' AND Received<=01/01/2023" -Export -FilePath "\\Server\SharedFolder\MailboxExport.pst"

E-mail Forensic Artifacts - Server (WebMail)

- Email typically stored on ISP servers
 - Possible exception for POP or IMAP
- User IP address and subscriber info may be available from ISP (correlation with Webmail addresses)
- Cached copies can be recovered
- Tool: Google Takeout
 - https://takeout.google.com/settings/takeout
 - Requires credentials

Thank you for your patience!