END-TO-END ATACK SIMULATION AND INVESTIGATION

SIEMBIOT CYBER ACADEMY

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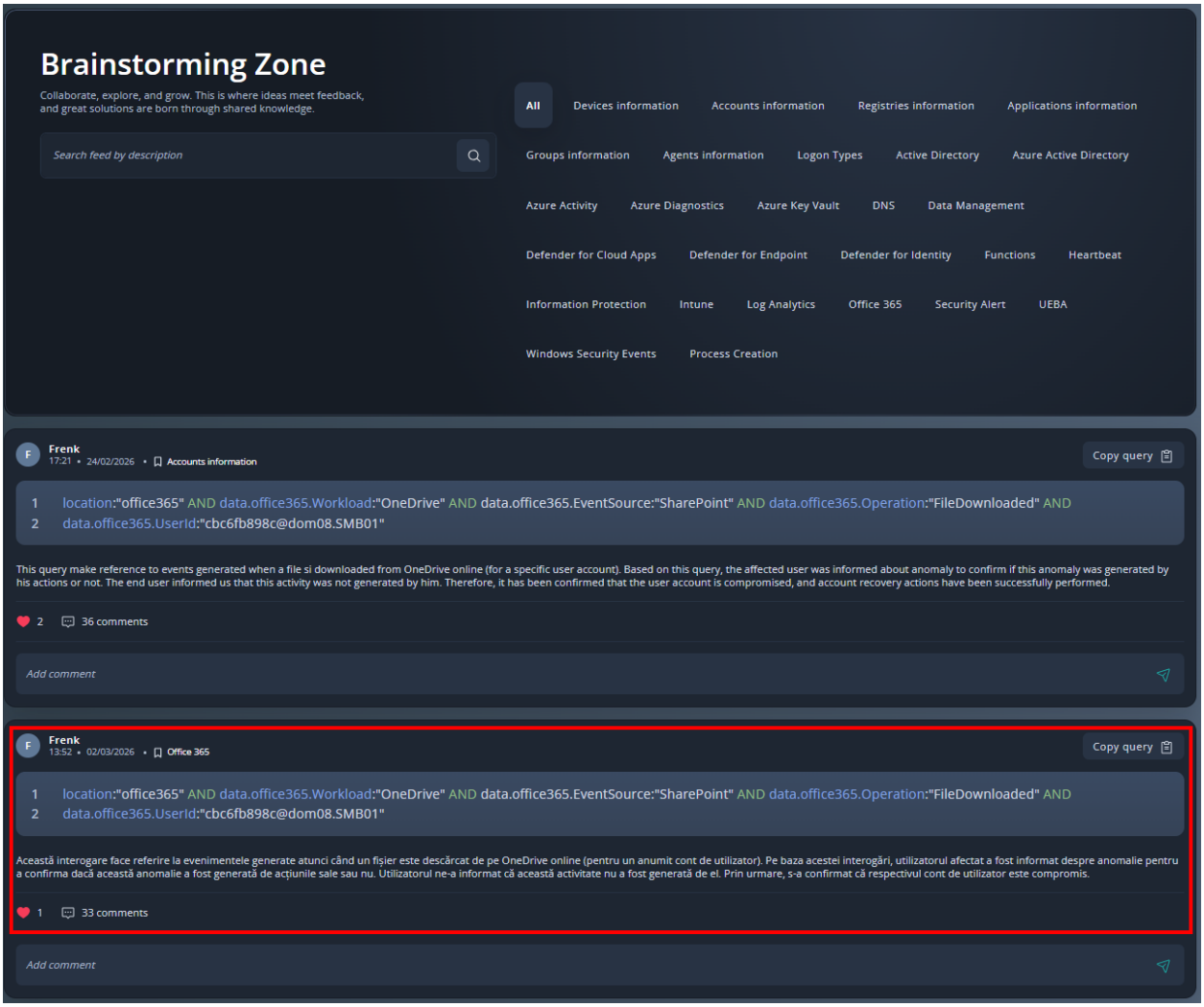
Zonă de brainstorming:



Descrierea interogărilor:

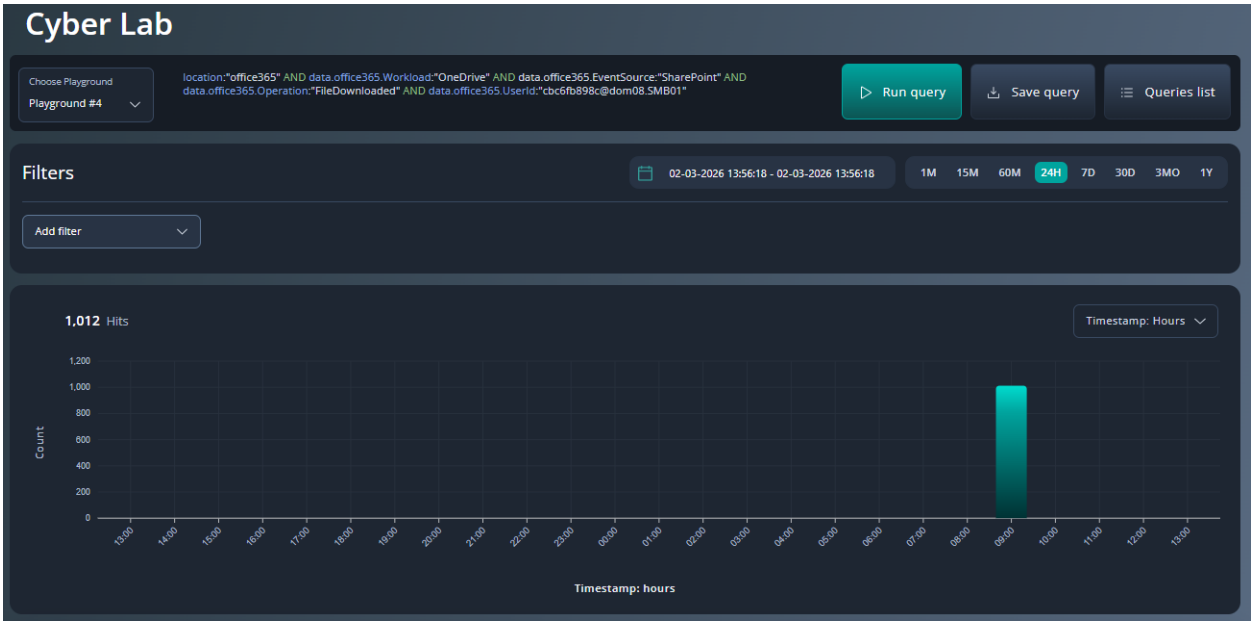
1. Anomalie de descărcare în masă:

- Această interogare a fost definită pentru a detecta toate evenimentele referitoare la acțiunea de descărcare generată de un utilizator în OneDrive utilizând contul său Office 365 (valoarea SharePoint face referire la faptul că descărcarea a fost generată de pe OneDrive-ul online al utilizatorului, nu de pe dispozitivul local).

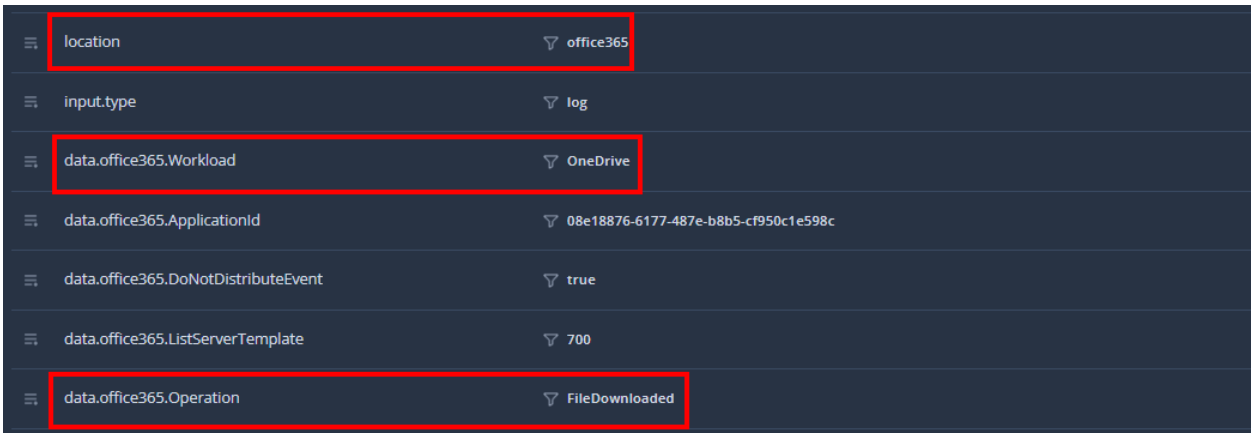
Interogare:

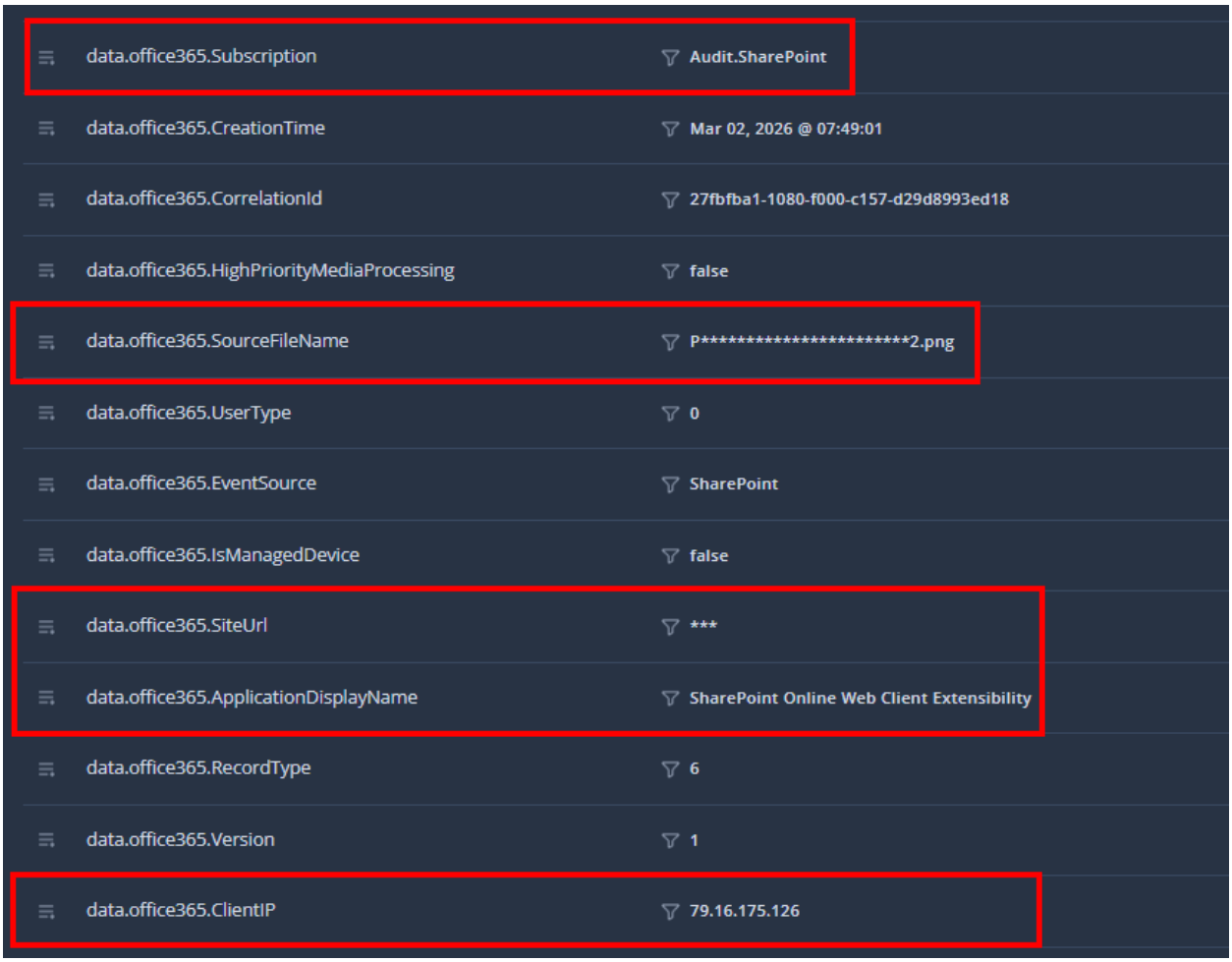
location:"office365" AND data.office365.Workload:"OneDrive" AND data.office365.EventSource:"SharePoint" AND data.office365.Operation:"FileDownloaded" AND data.office365.UserId:"cbc6fb898c@dom08.SMB01"

Rezultat:




Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.
Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.
Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.
Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.
Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.
Mar 02, 2026 @ 09:52:57 SMB01-26bb1d907e - - - Office 365: User downloads a file.


location office365
input.type log
data.office365.Workload OneDrive
data.office365.ApplicationId 08e18876-6177-487e-b8b5-cf950c1e598c
data.office365.DoNotDistributeEvent true
data.office365.ListServerTemplate 700
data.office365.Operation FileDownloaded

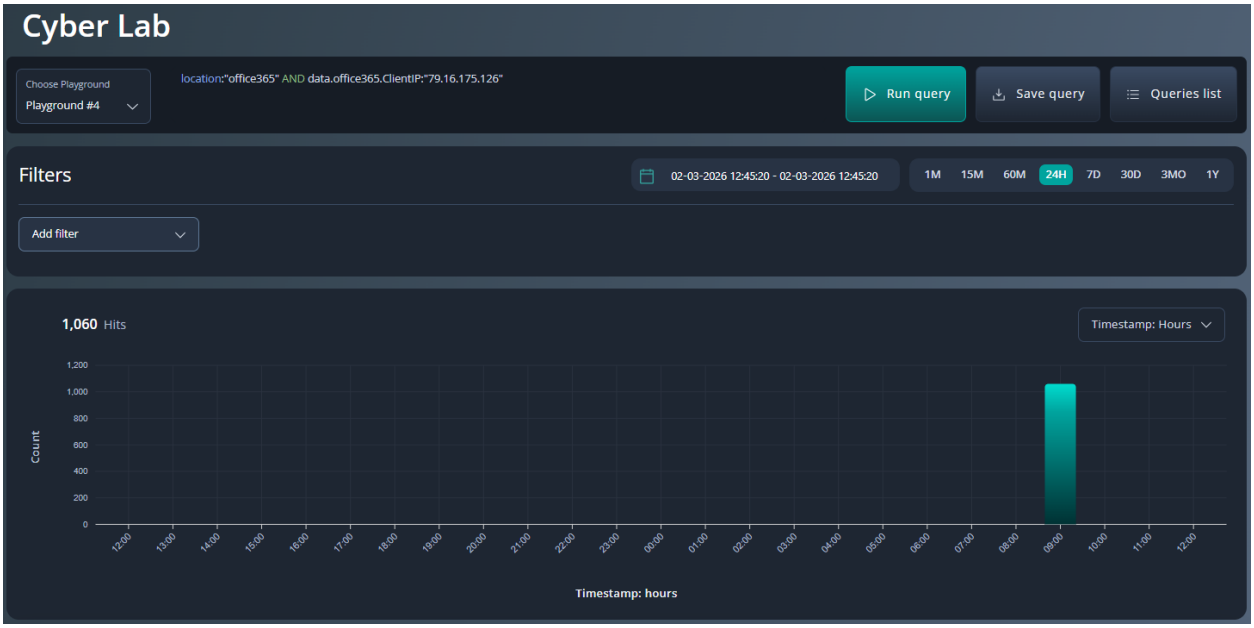


2. Evenimente de la o anumită adresă IP:

- Această interogare va returna toate evenimentele/operațiunile generate în Microsoft Office 365 pentru o anumită adresă IP.

Interogare:
location:"office365" AND data.office365.ClientIP:"79.16.175.126"

Rezultat:



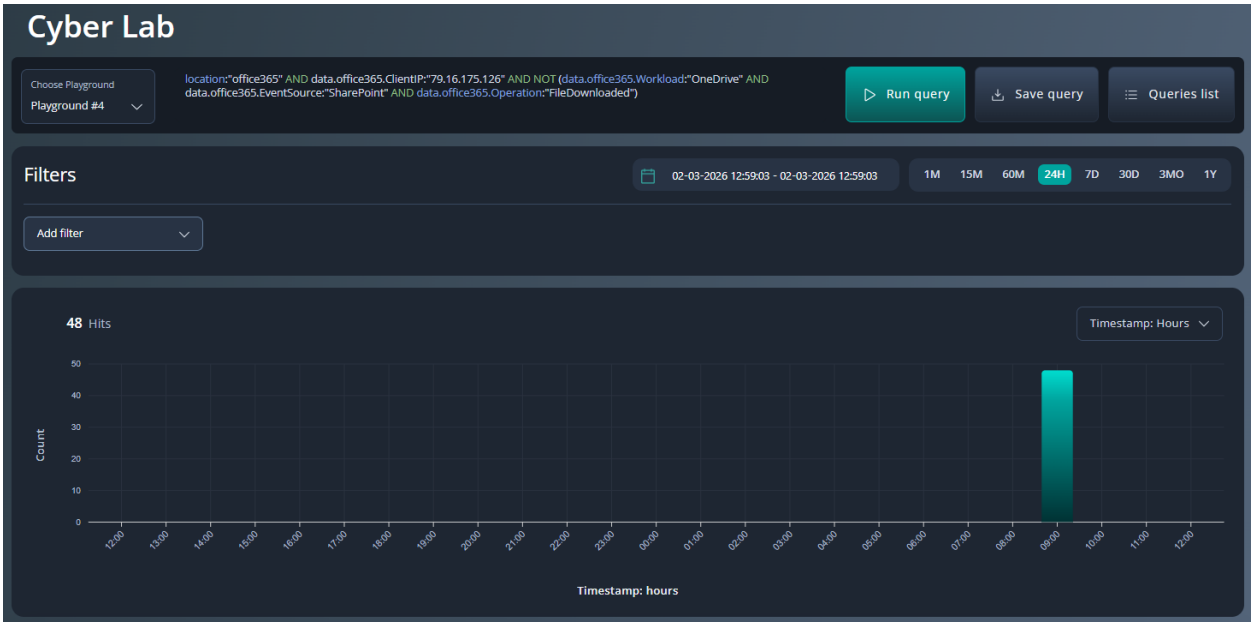
3. Evenimente de la o anumită adresă IP care ignoră descărcarea fișierelor din OneDrive:

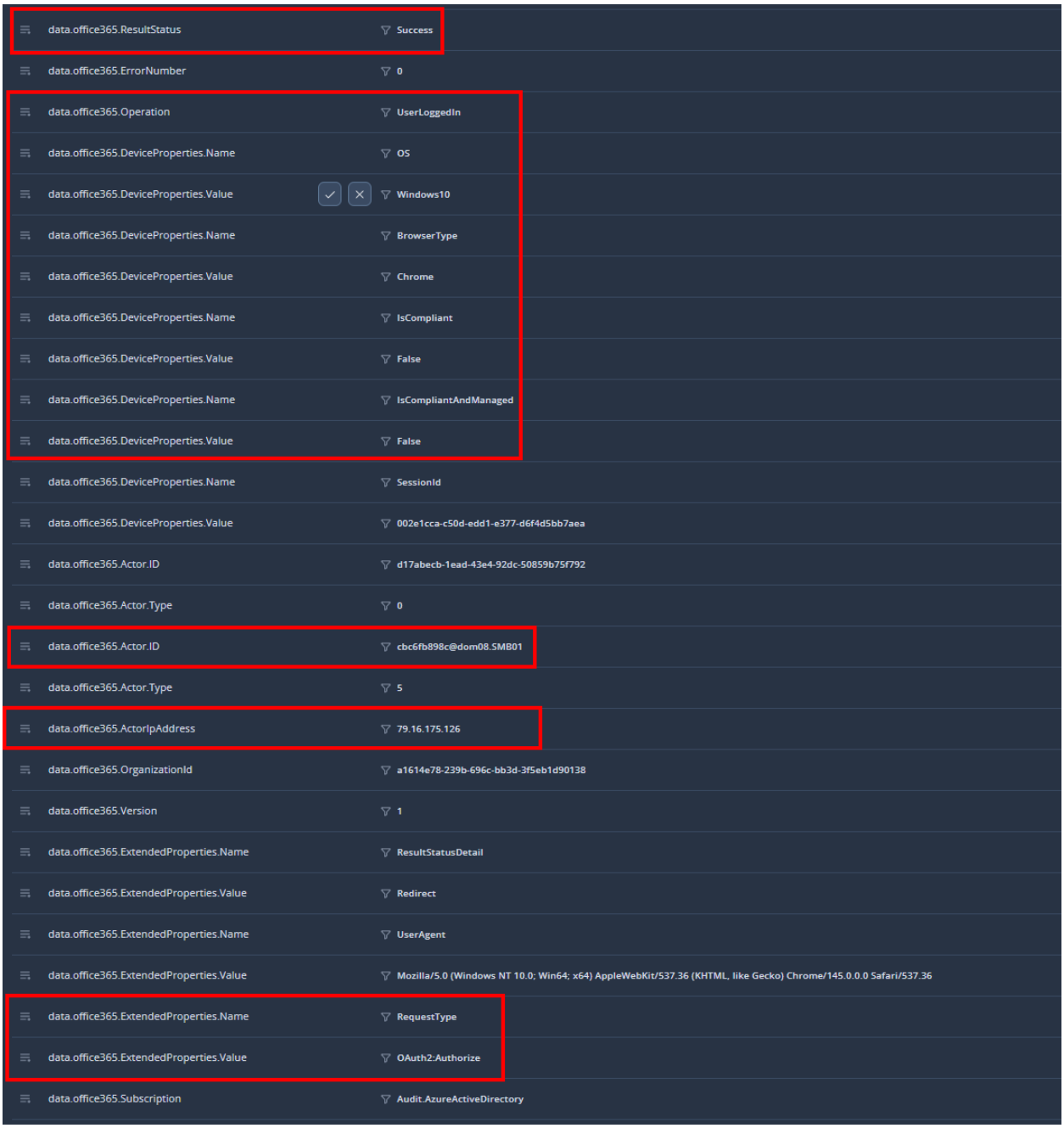
- Similar cu precedentul, returnează evenimentele/operațiunile generate în Microsoft Office 365 pentru o anumită adresă IP, excluzând evenimentele/operațiunile despre descărcarea fișierelor în OneDrive.

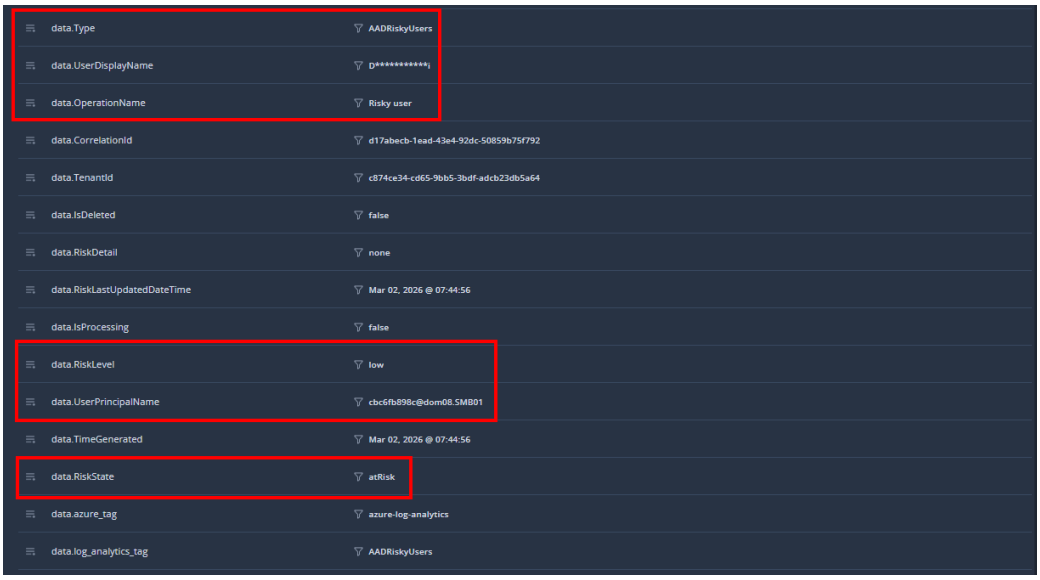
Interogare:

location:"office365" AND data.office365.ClientIP:"79.16.175.126" AND NOT (data.office365.Workload:"OneDrive" AND data.office365.EventSource:"SharePoint" AND data.office365.Operation:"FileDownloaded")

Rezultat:




data.office365.ResultStatus Success
data.office365.ErrorNumber 0
data.office365.Operation UserLoggedIn
data.office365.DeviceProperties.Name OS
data.office365.DeviceProperties.Value Windows10
data.office365.DeviceProperties.Name BrowserType
data.office365.DeviceProperties.Value Chrome
data.office365.DeviceProperties.Name IsCompliant
data.office365.DeviceProperties.Value False
data.office365.DeviceProperties.Name IsCompliantAndManaged
data.office365.DeviceProperties.Value False
data.office365.DeviceProperties.Name SessionId
data.office365.DeviceProperties.Value 002e1cca-c50d-edd1-e377-d6f4d5bb7aea
data.office365.Actor.ID d17abecb-1ead-43e4-92dc-50859b75f792
data.office365.Actor.Type 0
data.office365.Actor.ID cbc6fb898c@dom08.SMB01
data.office365.Actor.Type 5
data.office365.ActorIpAddress 79.16.175.126
data.office365.OrganizationId a1614e78-239b-696c-bb3d-3f5eb1d90138
data.office365.Version 1
data.office365.ExtendedProperties.Name ResultStatusDetail
data.office365.ExtendedProperties.Value Redirect
data.office365.ExtendedProperties.Name UserAgent
data.office365.ExtendedProperties.Value Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/145.0.0.0 Safari/537.36
data.office365.ExtendedProperties.Name RequestType
data.office365.ExtendedProperties.Value OAuth2:Authorize
data.office365.Subscription Audit.AzureActiveDirectory

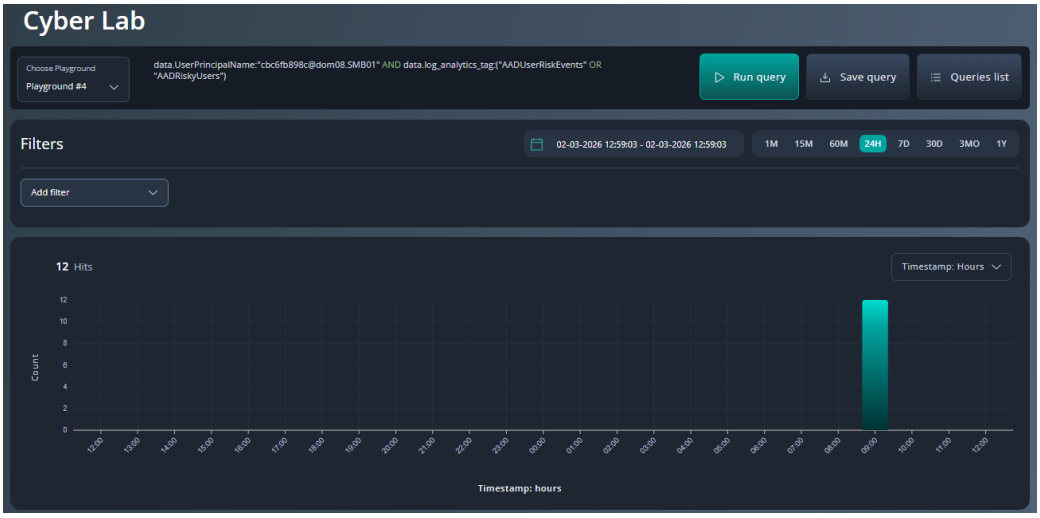

data.Type
AADRiskyUsers
data.UserDisplayName
D**********j
data.OperationName
Risky user
data.CorrelationId
d17abecb-1ead-43e4-92dc-50859b75f792
data.TenantId
c874ce34-cd65-9bb5-3bdf-adcb23db5a64
data.IsDeleted
false
data.RiskDetail
none
data.RiskLastUpdatedDateTime
Mar 02, 2026 @ 07:44:56
data.IsProcessing
false
data.RiskLevel
low
data.UserPrincipalName
cbc6fb898c@dom08.SMB01
data.TimeGenerated
Mar 02, 2026 @ 07:44:56
data.RiskState
atRisk
data.azure_tag
azure-log-analytics
data.log_analytics_tag
AADRiskyUsers

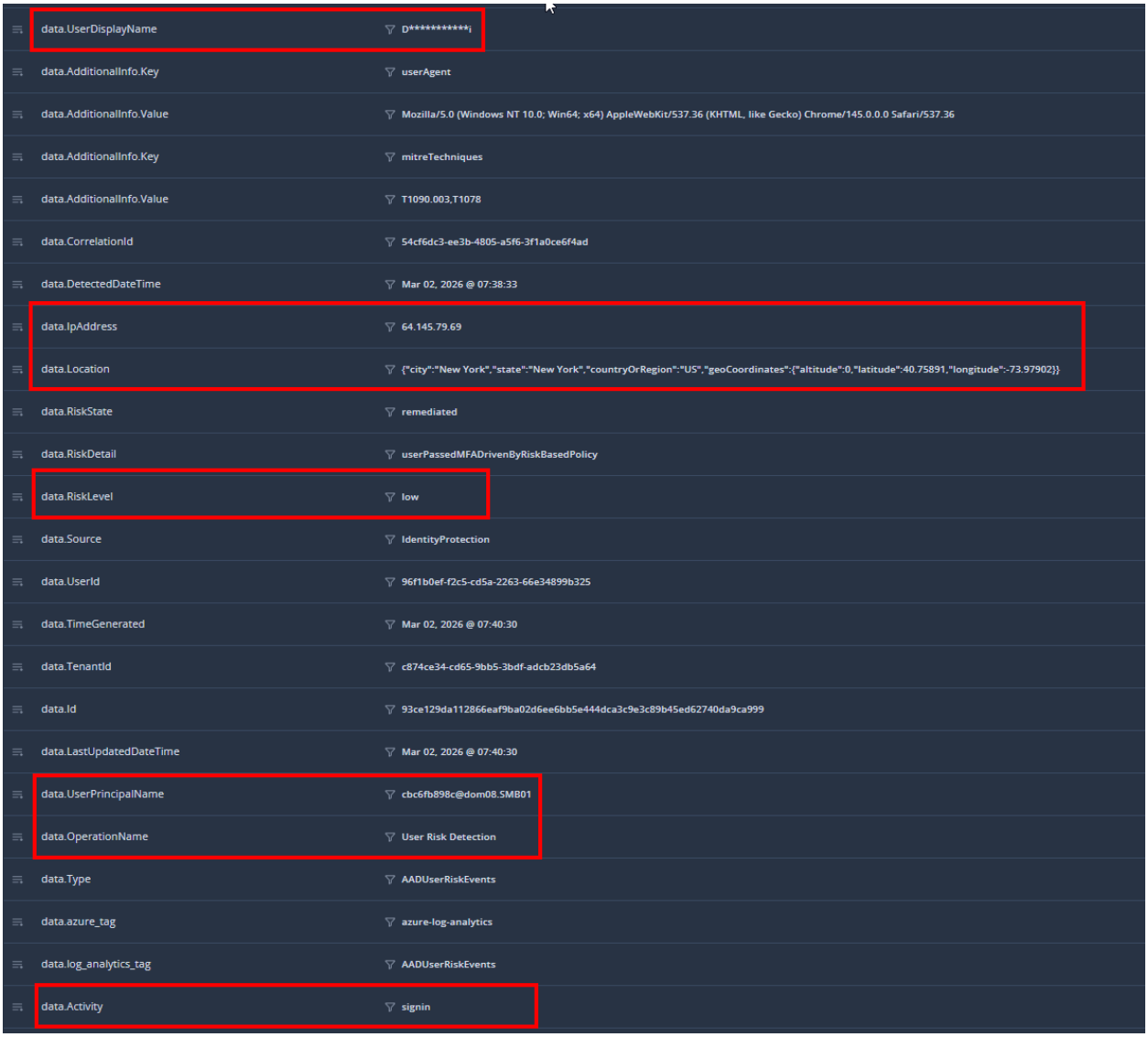
4. Evenimente privind utilizatorul de risc:

- Această interogare returnează evenimente din Azure despre riscul detectat atunci când un utilizator s-a conectat dintr-o locație diferită sau când este detectată o locație nouă în comparație cu cea obișnuită și generează o alertă de risc în contul de utilizator.

Interogare:
data.UserPrincipalName:"cbc6fb898c@dom08.SMB01" AND
data.log_analytics_tag:("AADUserRiskEvents" OR "AADRiskyUsers")

Rezultat:





data.UserDisplayName	p**********i
data.AdditionalInfo.Key	userAgent
data.AdditionalInfo.Value	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/145.0.0.0 Safari/537.36
data.AdditionalInfo.Key	mitreTechniques
data.AdditionalInfo.Value	T1090.003,T1078
data.CorrelationId	54cf6dc3-ee3b-4805-a5f6-3f1a0ce6f4ad
data.DetectedDateTime	Mar 02, 2026 @ 07:38:33
data.IpAddress	64.145.79.69
data.Location	{"city":"New York","state":"New York","countryOrRegion":"US","geoCoordinates":{"altitude":0,"latitude":40.75891,"longitude":-73.97902}}
data.RiskState	remediated
data.RiskDetail	userPassedMFADrivenByRiskBasedPolicy
data.RiskLevel	low
data.Source	IdentityProtection
data.UserId	96f1b0ef-f2c5-cd5a-2263-66e34899b325
data.TimeGenerated	Mar 02, 2026 @ 07:40:30
data.TenantId	c874ce34-cd65-9bb5-3bdf-adcb23db5a64
data.Id	93ce129da112866eaf9ba02d6ee6bb5e444dca3c9e3c89b45ed62740da9ca999
data.LastUpdatedDateTime	Mar 02, 2026 @ 07:40:30
data.UserPrincipalName	cbc6fb898c@dom08.SMB01
data.OperationName	User Risk Detection
data.Type	AADUserRiskEvents
data.azure_tag	azure-log-analytics
data.log_analytics_tag	AADUserRiskEvents
data.Activity	signin

5. Evenimente privind crearea proceselor generate de browsere:

- Această interogare va returna toate evenimentele cu ID-ul „1” (Sysmon: Process Creation) generate de următoarele browsere: Chrome, Firefox, Opera, Brave.

Interogare:
data.win.system.eventID:1 AND rule.description:(*Process* AND *creation* AND (*Brave* OR *Chrome* OR *Firefox* OR *Opera*)) AND data.win.system.providerName:"Microsoft-Windows-Sysmon"

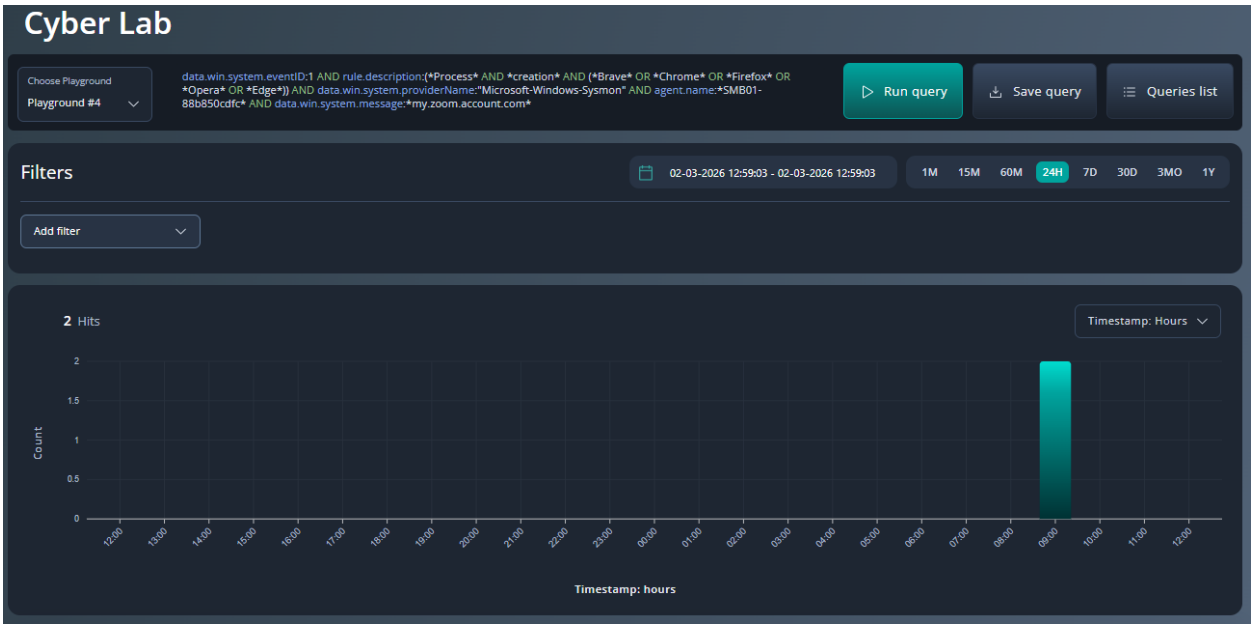
Rezultat:

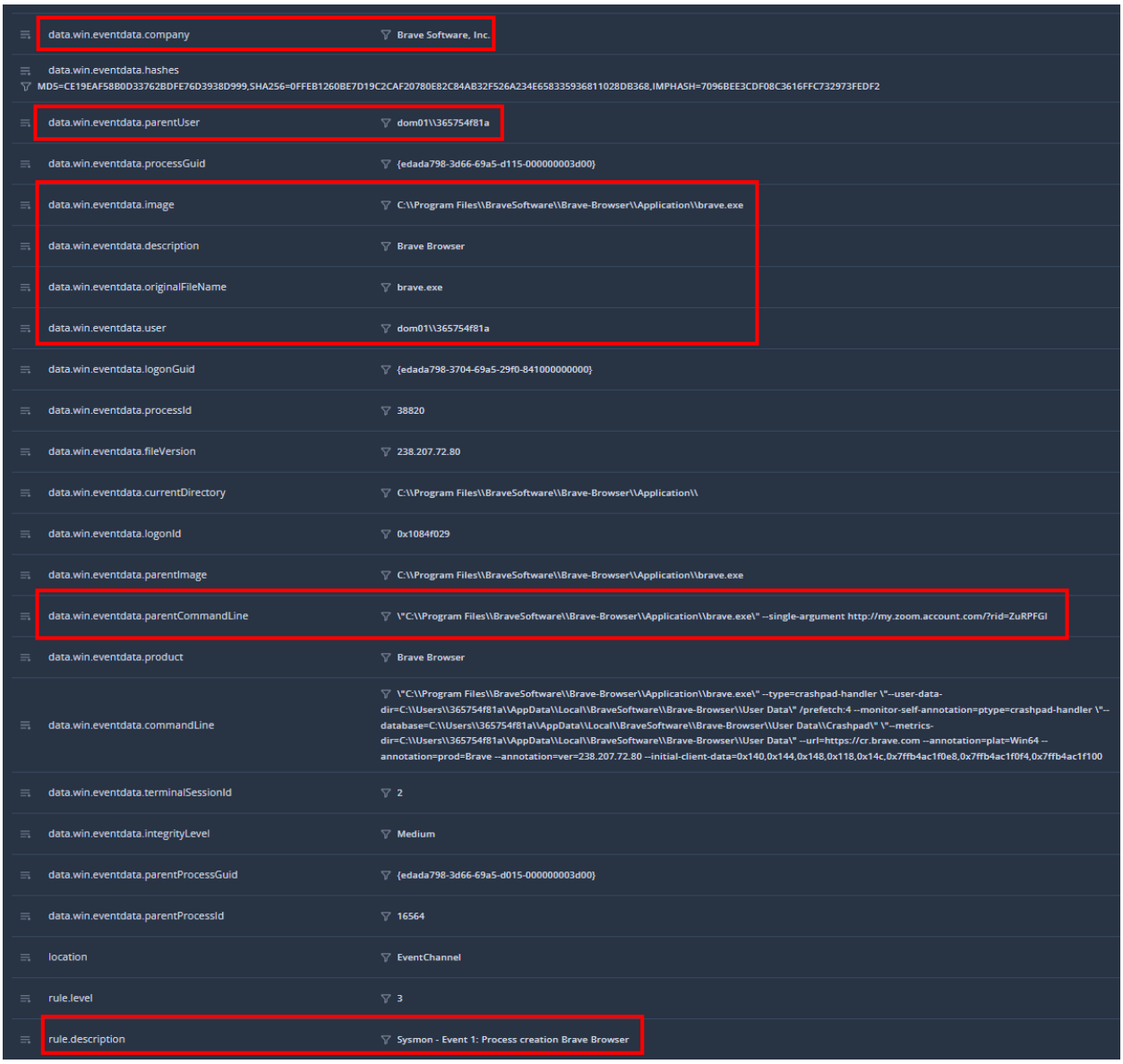
6. Evenimente privind crearea de procese generate de browsere pe un anumit dispozitiv și o anumită adresă URL:

- Similar cu ultima interogare, aceasta va returna evenimente referitoare la „Crearea procesului” de către un browser, cu diferența că această interogare va returna pentru un anumit dispozitiv și pentru o adresă URL specifică accesată de utilizatorul final.

Interogare:
data.win.system.eventID:1 AND rule.description:(*Process* AND *creation* AND (*Brave* OR *Chrome* OR *Firefox* OR *Opera* OR *Edge*)) AND data.win.system.providerName:"Microsoft-Windows-Sysmon" AND agent.name:*SMB01-88b850cdfc* AND data.win.system.message:*my.zoom.account.com*

Rezultat:



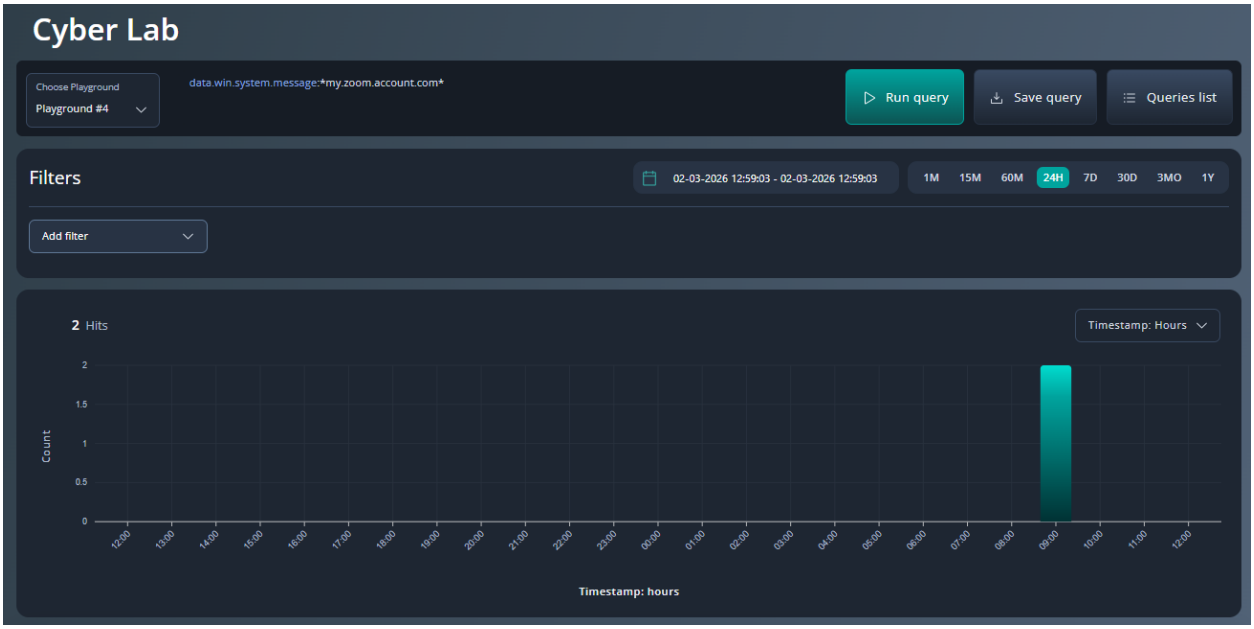

data.win.eventdata.company
Brave Software, Inc.
data.win.eventdata.hashes
MD5=CE19EAF58B0D33762BDFE76D3938D999,SHA256=0FFEB1260BE7D19C2CAF20780E82C84AB32F526A234E658335936811028DB368,IMPHASH=7096BEE3CDF08C3616FFC732973FEDF2
data.win.eventdata.parentUser
dom01\\365754f81a
data.win.eventdata.processGuid
{edada798-3d66-69a5-d115-000000003d00}
data.win.eventdata.image
C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\brave.exe
data.win.eventdata.description
Brave Browser
data.win.eventdata.originalFileName
brave.exe
data.win.eventdata.user
dom01\\365754f81a
data.win.eventdata.logonGuid
{edada798-3704-69a5-29f0-841000000000}
data.win.eventdata.processId
38820
data.win.eventdata.fileVersion
238.207.72.80
data.win.eventdata.currentDirectory
C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\
data.win.eventdata.logonId
0x1084f029
data.win.eventdata.parentImage
C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\brave.exe
data.win.eventdata.parentCommandLine
\"C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\brave.exe\" --single-argument http://my.zoom.account.com/?rid=ZuRPFGI
data.win.eventdata.product
Brave Browser
data.win.eventdata.commandLine
\"C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\brave.exe\" --type=crashpad-handler \"--user-data-dir=C:\\Users\\365754f81a\\AppData\\Local\\BraveSoftware\\Brave-Browser\\User Data\" /prefetch:4 --monitor-self-annotation=ptype=crashpad-handler \"--database=C:\\Users\\365754f81a\\AppData\\Local\\BraveSoftware\\Brave-Browser\\User Data\\Crashpad\" \"--metrics-dir=C:\\Users\\365754f81a\\AppData\\Local\\BraveSoftware\\Brave-Browser\\User Data\" --url=https://cr.brave.com --annotation=plat=Win64 --annotation=prod=Brave --annotation=ver=238.207.72.80 --initial-client-data=0x140,0x144,0x148,0x118,0x14c,0x7ffb4ac1f0e8,0x7ffb4ac1f0f4,0x7ffb4ac1f100
data.win.eventdata.terminalSessionId
2
data.win.eventdata.integrityLevel
Medium
data.win.eventdata.parentProcessGuid
{edada798-3d66-69a5-d015-000000003d00}
data.win.eventdata.parentProcessId
16564
location
EventChannel
rule.level
3
rule.description
Sysmon - Event 1: Process creation Brave Browser

7. Toate evenimentele care au în context o valoare specifică:

- În cazul nostru, va returna toate evenimentele care au o adresă URL specifică în context.

Interogare:
data.win.system.message:*my.zoom.account.com*

Rezultat:



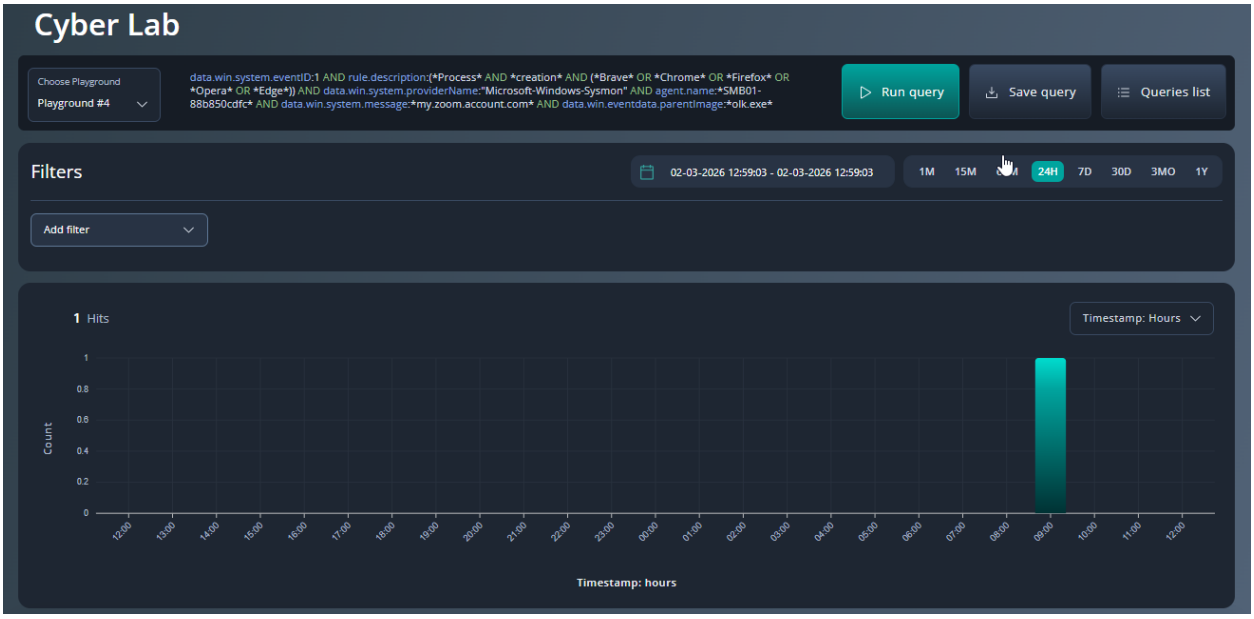
8. Evenimente privind crearea de procese generate de browsere pe un anumit dispozitiv și o anumită adresă URL - Outlook pentru procesul părinte:

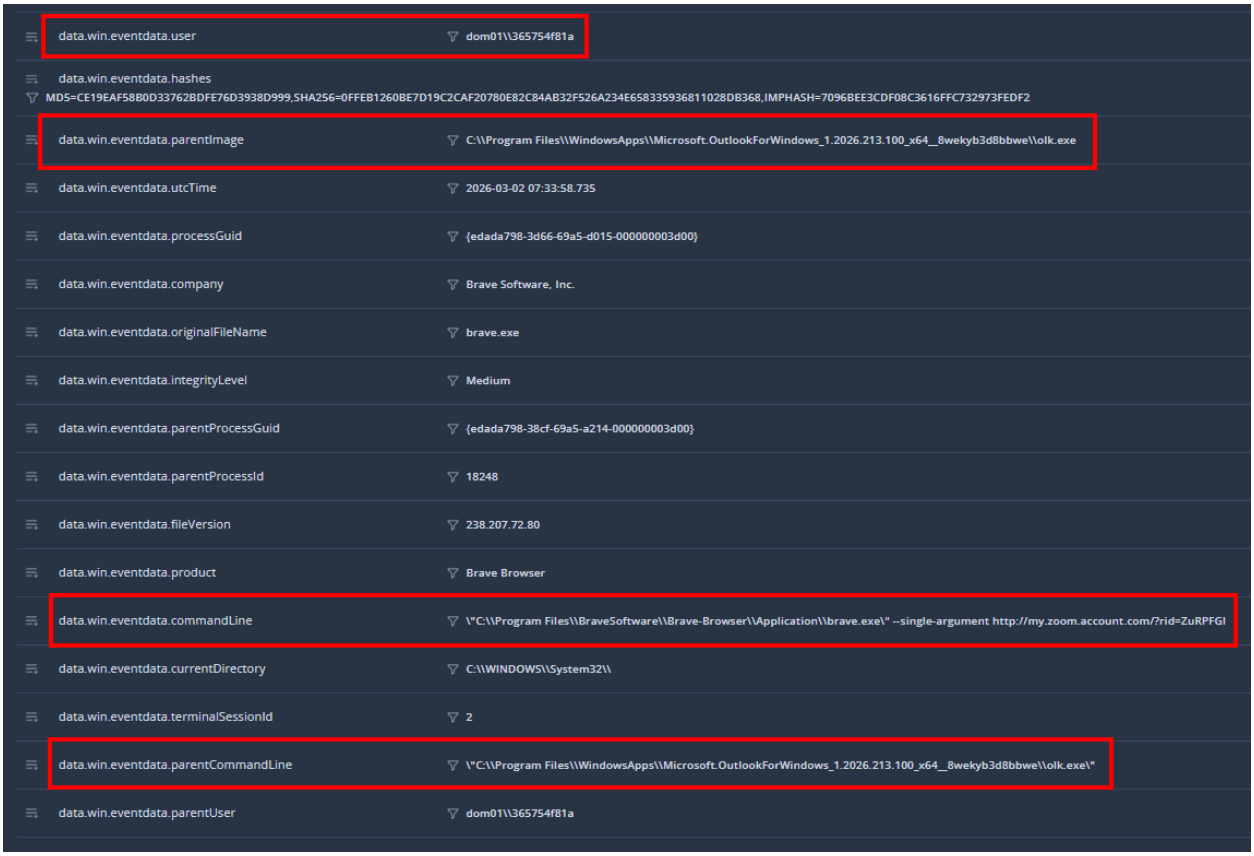
- Similar cu celelalte 2 interogări, va returna evenimente referitoare la „Crearea procesului” generate pe dispozitivul afectat pentru o anumită adresă URL și dacă procesul părinte a fost generat de Outlook.

Interogare:

data.win.system.eventID:1 AND rule.description:(*Process* AND *creation* AND (*Brave* OR *Chrome* OR *Firefox* OR *Opera* OR *Edge*)) AND data.win.system.providerName:"Microsoft-Windows-Sysmon" AND agent.name:*SMB01-88b850cdfc* AND data.win.system.message:*my.zoom.account.com* AND data.win.eventdata.parentImage:*olk.exe*

Rezultat:



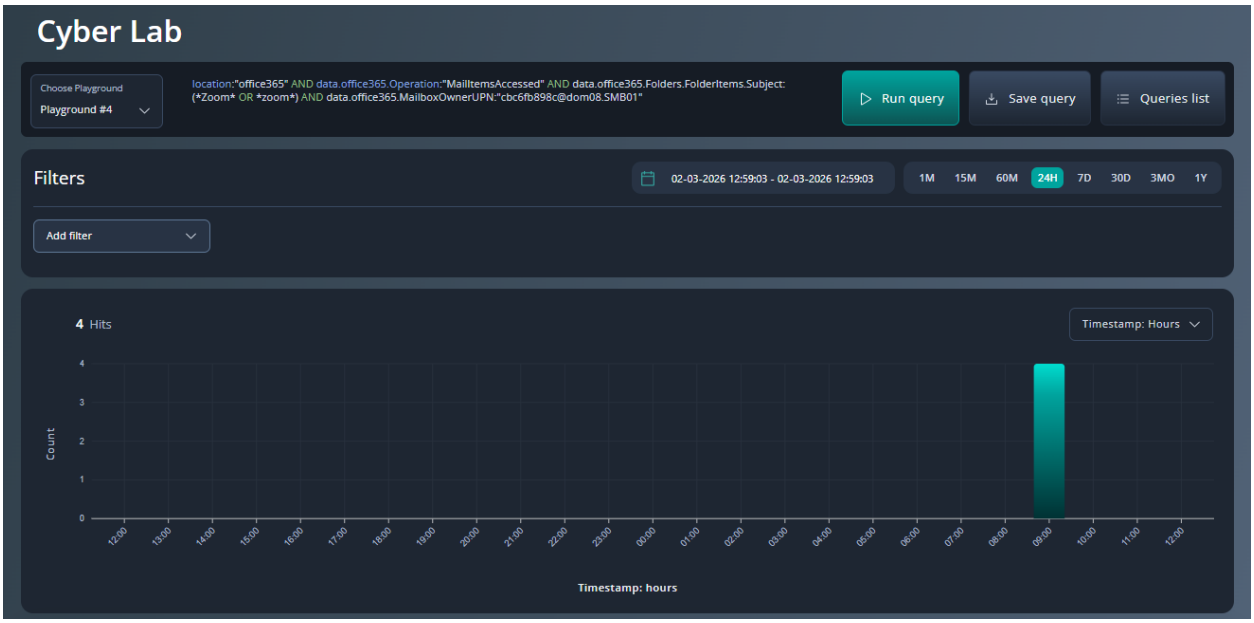

data.win.eventdata.user
dom01\\365754f81a
data.win.eventdata.hashes
MD5=CE19EAF58B0D33762BDFE76D3938D999,SHA256=0FFEB1260BE7D19C2CAF20780E82C84AB32F526A234E658335936811028DB368,IMPHASH=7096BEE3CDF08C3616FFC732973FEDF2
data.win.eventdata.parentImage
C:\\Program Files\\WindowsApps\\Microsoft.OutlookForWindows_1.2026.213.100_x64__8wekyb3d8bbwe\\olk.exe
data.win.eventdata.utcTime
2026-03-02 07:33:58.735
data.win.eventdata.processGuid
{edada798-3d66-69a5-d015-000000003d00}
data.win.eventdata.company
Brave Software, Inc.
data.win.eventdata.originalFileName
brave.exe
data.win.eventdata.integrityLevel
Medium
data.win.eventdata.parentProcessGuid
{edada798-38cf-69a5-a214-000000003d00}
data.win.eventdata.parentProcessId
18248
data.win.eventdata.fileVersion
238.207.72.80
data.win.eventdata.product
Brave Browser
data.win.eventdata.commandLine
\"C:\\Program Files\\BraveSoftware\\Brave-Browser\\Application\\brave.exe\" --single-argument http://my.zoom.account.com/?rid=ZuRPFGI
data.win.eventdata.currentDirectory
C:\\WINDOWS\\System32\\
data.win.eventdata.terminalSessionId
2
data.win.eventdata.parentCommandLine
\"C:\\Program Files\\WindowsApps\\Microsoft.OutlookForWindows_1.2026.213.100_x64__8wekyb3d8bbwe\\olk.exe\"
data.win.eventdata.parentUser
dom01\\365754f81a

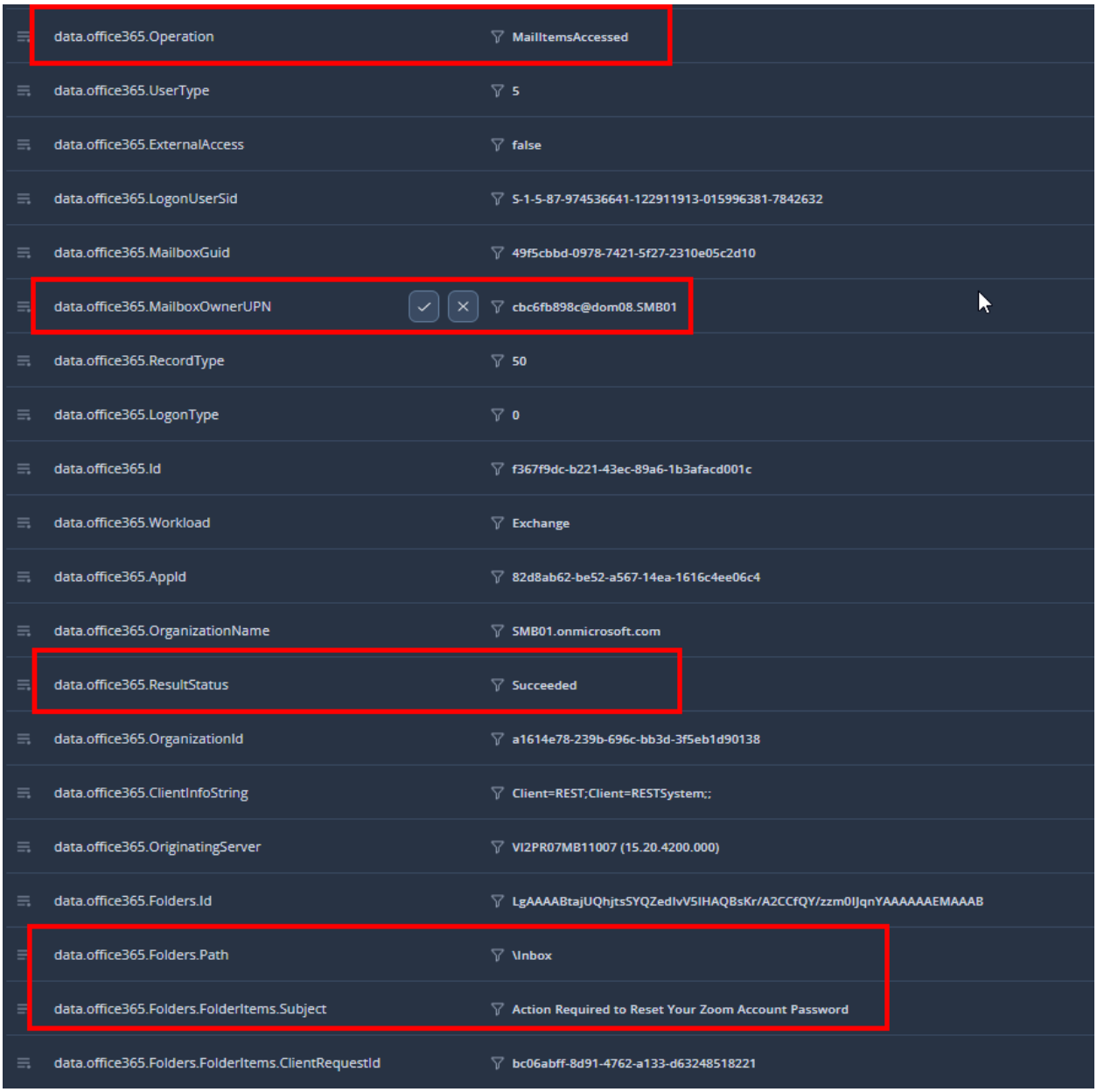
9. Evenimente despre e-mailuri accesate pentru e-mailuri care au o anumită valoare în subiect și pentru un anumit utilizator:

- Această interogare va returna toate evenimentele care fac referire la e-mailuri accesate de un utilizator compromis și care au în subiect o referință la o valoare din adresa URL care s-a constatat a fi accesată din Outlook.

Interogare:
location:"office365" AND data.office365.Operation:"MailItemsAccessed" AND data.office365.Folders.FolderItems.Subject:(*Zoom* or *zoom*) AND data.office365.MailboxOwnerUPN:"cbc6fb898c@dom08.SMB01"

Rezultat:




data.office365.Operation
MailItemsAccessed
data.office365.UserType
5
data.office365.ExternalAccess
false
data.office365.LogonUserSid
S-1-5-87-974536641-122911913-015996381-7842632
data.office365.MailboxGuid
49f5cbbd-0978-7421-5f27-2310e05c2d10
data.office365.MailboxOwnerUPN
cbc6fb898c@dom08.SMB01
data.office365.RecordType
50
data.office365.LogonType
0
data.office365.Id
f367f9dc-b221-43ec-89a6-1b3afacd001c
data.office365.Workload
Exchange
data.office365.AppId
82d8ab62-be52-a567-14ea-1616c4ee06c4
data.office365.OrganizationName
SMB01.onmicrosoft.com
data.office365.ResultStatus
Succeeded
data.office365.OrganizationId
a1614e78-239b-696c-bb3d-3f5eb1d90138
data.office365.ClientInfoString
Client=REST;Client=RESTSystem;;
data.office365.OriginatingServer
VI2PR07MB11007 (15.20.4200.000)
data.office365.Folders.Id
LgAAAABtajUQhjtsSYQZedIvV5IHAQBsKr/A2CCfQY/zzm0IJqnYAAAAAAEMAAAB
data.office365.Folders.Path
\Inbox
data.office365.Folders.FolderItems.Subject
Action Required to Reset Your Zoom Account Password
data.office365.Folders.FolderItems.ClientRequestId
bc06abff-8d91-4762-a133-d63248518221