



# Token Hunt: Uncovering Post- Authentication Attacks in the Microsoft Cloud


Thomas Naunheim  
Cyber Security Architect  
@glueckkanja AG



# Thomas Naunheim

Cyber Security Architect @glueckkanja AG

- From Koblenz/Lahnstein, Germany
- Microsoft MVP (Identity & Access, Cloud Security)

 @naunheim.cloud

 @Thomas\_Live

 /in/ThomasNaunheim

 cloud-architekt.net



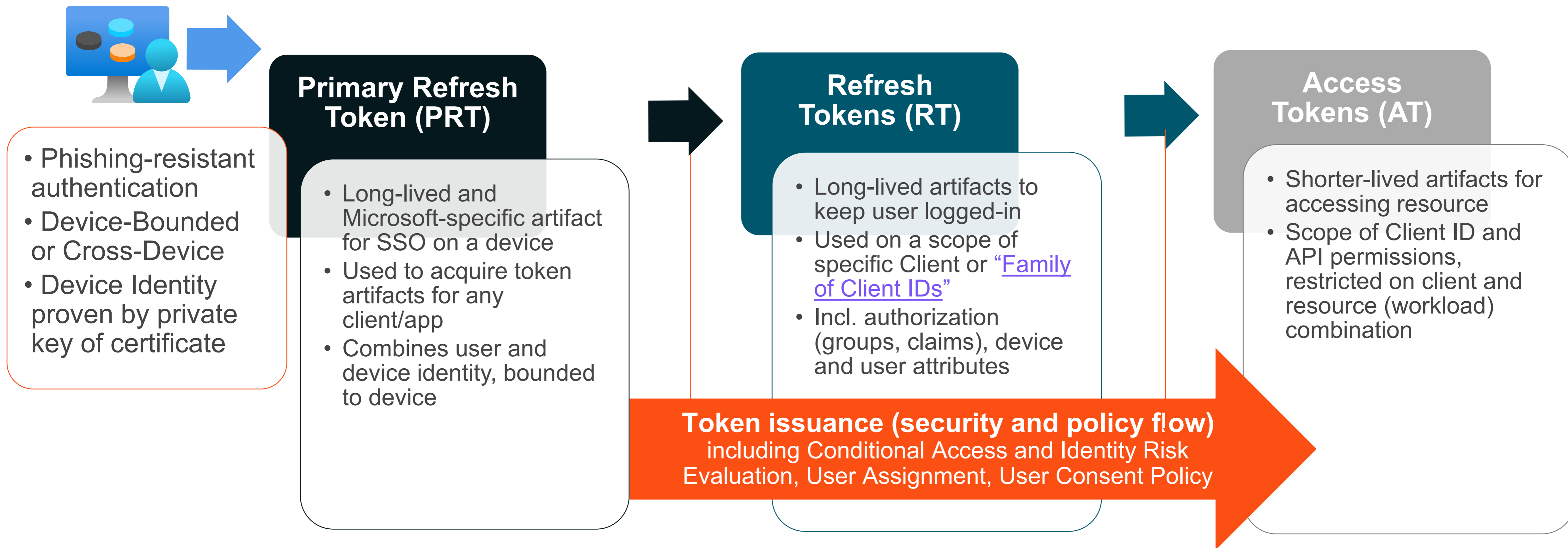
# Token Hunt | Agenda

1. Introduction to token theft and post-authentication attacks
2. Advanced insights of Microsoft Entra ID sign-in logs
3. Correlation of sign-in events to XDR alert or anomalies
4. Correlation of user sign-in, alert, and cloud app activity logs
5. Discover exposed token artifacts with exposure management



# Introduction to Token Theft and Post- Authentication Attacks

# Overview of Token Artifacts





### Session cookies

- Long-lived artifacts used for browser-based SSO after authentication
- Issued by IdP and service (resource owner)

# Session Cookies

[Learn](#) / [Microsoft Entra](#) / [Microsoft Entra ID](#) / [Authentication](#) /



## Web browser cookies used in Microsoft Entra authentication

Article • 10/23/2023 • 6 contributors

 [Feedback](#)

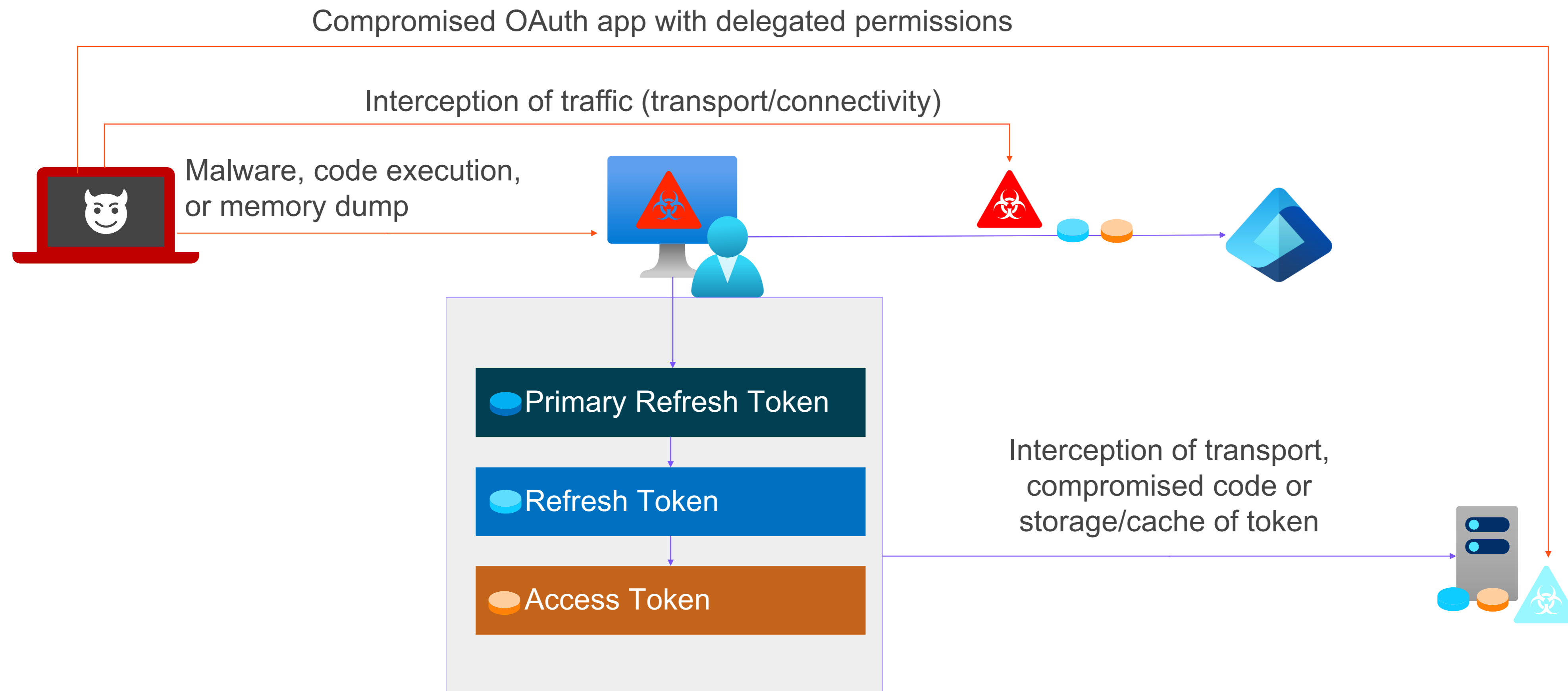
During authentication against Microsoft Entra ID through a web browser, multiple cookies are involved in the process. Some of the cookies are common on all requests. Other cookies are used for specific authentication flows or specific client-side conditions.

Persistent session tokens are stored as persistent cookies on the web browser's cookie jar. Non-persistent session tokens are stored as session cookies on the web browser, and are destroyed when the browser session is closed.

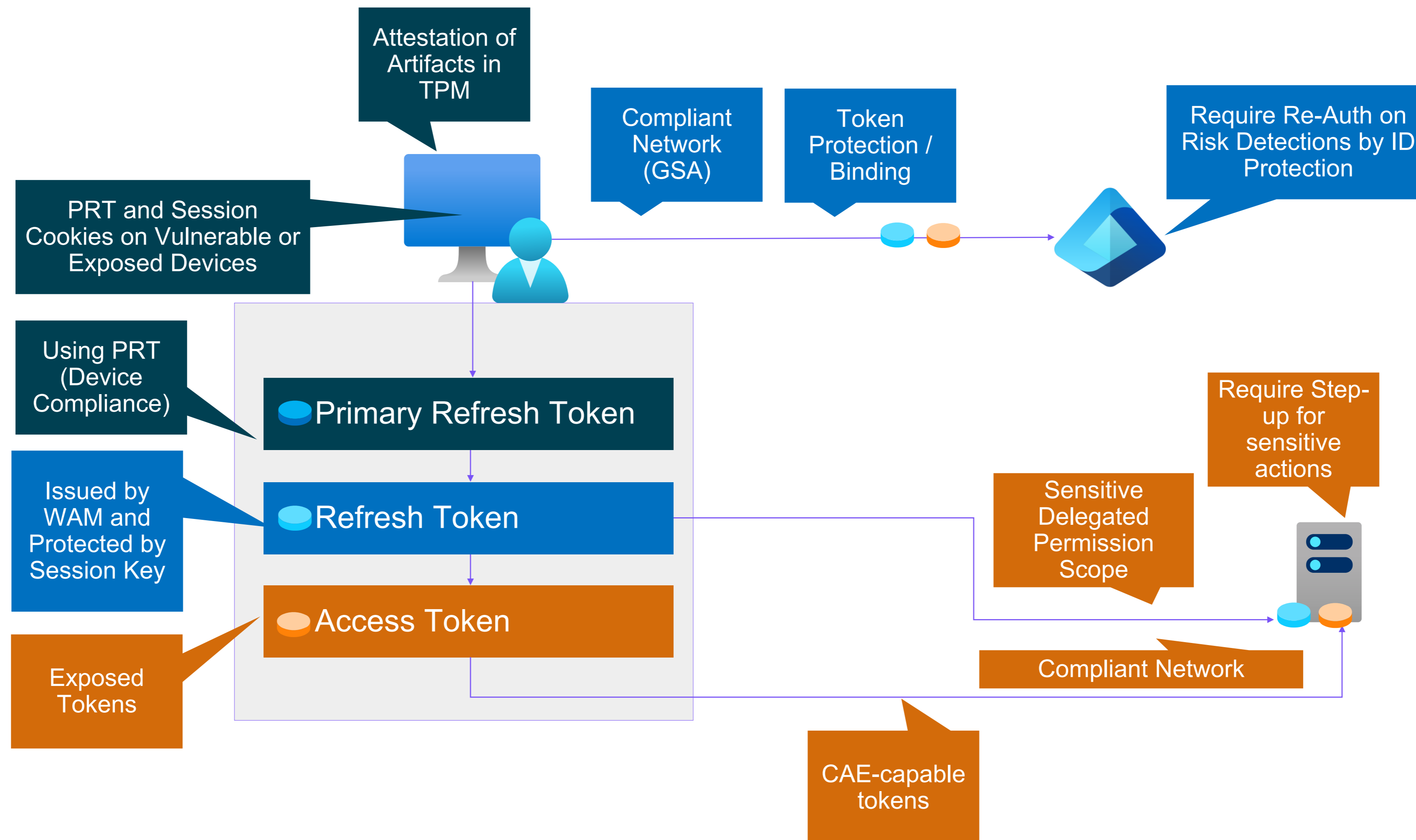
 [Expand table](#)

Cookie Name	Type	Comments
ESTSAUTH	Common	Contains user's session information to facilitate SSO. Transient.

# Token-Related Attack Techniques



# Token-Related Attack Techniques





# Advanced Insights of Microsoft Entra ID Sign-in Logs

# Types of Sign-in Identifiers

- **Correlation ID**

Groups sign-ins from the same sign-in session, generated by client (not IdP)

- **(Original) Request ID**

An identifier that corresponds to an issued token

The request identifier of the first request in the authentication sequence

<input type="checkbox"/> TimeGenerated [UTC] ↑↓ ...	CorrelationId	OriginalRequestId	ResultType	AppDisplayName
<input type="checkbox"/> > 1/9/2025, 4:36:34.812 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	da64a1df-a440-4f9e-9384-8e1e74cc1600	50057	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 4:38:50.378 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	99767c0a-a3e3-4bcb-911f-b435a02a2400	50057	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 4:41:36.923 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	4dcb705e-e855-4737-943c-40a281832300	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 4:41:39.250 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	535882bb-1efc-487f-9d3b-f3adf4d31c00	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 4:44:17.870 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	b693d7da-a90b-4c51-97c7-c67932d02400	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 5:20:40.974 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	7708cdc1-aeda-4669-a14c-66bb7aef4a00	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 5:25:36.516 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	53ebf0ce-19f7-4238-99ab-5efd7c7f1a00	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 5:27:46.532 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	bd6fe58a-12b5-4198-80be-0a4ef1ba2000	0	ZTNA Network Access Client
<input type="checkbox"/> > 1/9/2025, 5:33:53.056 PM	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	227ddc64-37eb-448b-a618-7d7987bc4200	0	ZTNA Network Access Client

# Types of Sign-in Identifiers

- Unique token identifier**  
 Used to correlate the sign-in with the token request (passed during the sign-in)  
 Tracks tokens issued by Microsoft Entra ID as they're redeemed at resource providers

<input type="checkbox"/>	TimeGenerated [UTC] <span>↑↓</span>	OriginalRequestId	UniqueTokenIdentifier <span>...</span>	ResultType <span>...</span>	AppDisplayName
<input type="checkbox"/>	> 1/9/2025, 4:36:34.812 PM	da64a1df-a440-4f9e-9384-8e1e74cc1600	36Fk2kCknk-Thl4edMwWAA	50057	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:38:50.378 PM	99767c0a-a3e3-4bcb-911f-b435a02a2400	Cnx2meOjy0uRH7Q1oCokAA	50057	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:41:36.923 PM	4dcb705e-e855-4737-943c-40a281832300	XnDLTVXoN0eUPECigYMjAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:41:39.250 PM	535882bb-1efc-487f-9d3b-f3adf4d31c00	u4JYU_wef0idO_Ot9NMcAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:42:02.908 PM	10bea83a-c782-453e-ad0c-c77a94bb1700	Oqi-EILHPkWtDMd6ILsXAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:43:36.855 PM	da64a1df-a440-4f9e-9384-8e1e9cf41600	36Fk2kCknk-Thl4enPQWAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 4:44:17.870 PM	b693d7da-a90b-4c51-97c7-c67932d02400	2teTtgupUUyXx8Z5MtAkAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 5:20:40.974 PM	7708cdc1-aeda-4669-a14c-66bb7aef4a00	wc0ld9quaUahTGa7eu9KAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 5:25:36.516 PM	53ebf0ce-19f7-4238-99ab-5efd7c7f1a00	zvDrU_cZOEKZq179fH8aAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 5:27:46.532 PM	bd6fe58a-12b5-4198-80be-0a4ef1ba2000	iuVvzbUSmEGAvgpO8bogAA	0	ZTNA Network Access Client
<input type="checkbox"/>	> 1/9/2025, 5:33:53.056 PM	227ddc64-37eb-448b-a618-7d7987bc4200	ZNx9lus3i0SmGH15h7xCAA	0	ZTNA Network Access Client

# Types of Sign-in Identifiers

- **SessionId**

Identifies and matches the session (cookie) that was generated during the sign-in between the client and the IdP

Timestamp ↑	CorrelationId	RequestId	SessionId	Application	ResourceDisplayName
> Jan 9, 2025 4:34:43 PM	aa9e2340-e1ef-486b-8b...	da64a1df-a440-4f9e-93...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:36:43 PM	aa9e2340-e1ef-486b-8b...	99767c0a-a3e3-4bcb-91...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:38:54 PM	aa9e2340-e1ef-486b-8b...	7708cdc1-aeda-4669-a1...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:39:27 PM	aa9e2340-e1ef-486b-8b...	10bea83a-c782-453e-ad...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:39:59 PM	aa9e2340-e1ef-486b-8b...	535882bb-1efc-487f-9d...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:40:32 PM	aa9e2340-e1ef-486b-8b...	4dcb705e-e855-4737-9...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...
> Jan 9, 2025 4:41:06 PM	aa9e2340-e1ef-486b-8b...	b693d7da-a90b-4c51-9...	ac38ab1b-89f0-415c-a3...	ZTNA Network Access C...	ZTNA Network Access Tr...

# SessionId vs CorrelationId

TimeGenerated ↑	SessionId	CorrelationId	Application	ResourceDisplayName
> Jan 9, 2025 4:06:25 PM	ac38ab1b-89f0-415c-a3...	b94145de-4a5f-4b52-97ce-076722d9d1e5	Microsoft Authentication ...	Windows Azure Active Directory
> Jan 9, 2025 4:06:25 PM	ac38ab1b-89f0-415c-a3...	b94145de-4a5f-4b52-97ce-076722d9d1e5	Windows Sign In	Azure Windows VM Sign-In
> Jan 9, 2025 4:06:43 PM	ac38ab1b-89f0-415c-a3...	6d3b97d2-82e6-45e9-9c12-08cd9fba31d5	Microsoft Application Co...	Microsoft Device Directory Service
> Jan 9, 2025 4:06:43 PM	ac38ab1b-89f0-415c-a3...	ee03da3d-af75-4f05-909f-653e011d5dba	Windows Shell	OfficeClientService
> Jan 9, 2025 4:06:44 PM	ac38ab1b-89f0-415c-a3...	08e1f413-fc3c-4c93-be49-e9e867d7fb79	Microsoft Application Co...	Microsoft Activity Feed Service
> Jan 9, 2025 4:06:47 PM	ac38ab1b-89f0-415c-a3...	2a374f9b-a6ed-492c-8119-71feb4709a75	Windows Shell	Microsoft Graph
> Jan 9, 2025 4:08:03 PM	ac38ab1b-89f0-415c-a3...	4f967753-39a1-4e25-8509-c611df4d89c5	OneDrive SyncEngine	Office 365 SharePoint Online
> Jan 9, 2025 4:34:43 PM	ac38ab1b-89f0-415c-a3...	aa9e2340-e1ef-486b-8b4e-1b7b8caabbea	ZTNA Network Access Cli...	ZTNA Network Access Traffic Profile
> Jan 9, 2025 4:34:50 PM	ac38ab1b-89f0-415c-a3...	cc20815b-379d-1900-9b24-2e73d9ab13a8	Microsoft Outlook	Office 365 Exchange Online
> Jan 9, 2025 4:38:46 PM	ac38ab1b-89f0-415c-a3...	961e37fb-991b-4540-98bd-9525b0edb39d	ZTNA Network Access Cli...	ZTNA Network Access Traffic Profile
> Jan 9, 2025 4:38:47 PM	ac38ab1b-89f0-415c-a3...	70ecebc1-0f10-490b-965e-ac59060091cf	ZTNA Network Access Cli...	ZTNA Network Access Traffic Profile
> Jan 9, 2025 4:38:53 PM	ac38ab1b-89f0-415c-a3...	c58b25f4-47db-1566-5a73-73d1b4ac30e1	Microsoft Outlook	Office 365 Exchange Online
> Jan 9, 2025 4:38:53 PM	ac38ab1b-89f0-415c-a3...	fec81d90-c132-46cd-9be4-7eb960ac0900	ZTNA Network Access Cli...	ZTNA Network Access Traffic Profile

# Other Token-Related Properties

- **Incoming token types**

Token type that were presented to Microsoft Entra ID to authenticate the actor in the sign in

For example:

PrimaryRefreshToken, RefreshToken, SAML or  
None (= Browser SSO / Direct Auth. via Creds)

- **Token Protection - Sign In Session**

Indicator if sign-in token (PRT/RT) was cryptographically bound to the device (or not)

- **AuthenticationProcessingDetails**

- Is CAE Token
- OAuth Scope Info



# Graph, Diagnostic, & XDR Logs (2025-01)

Entra Portal (Sign-in events)	Microsoft Graph Beta	Diagnostic Logs	AADSignInEventsBeta
Date	createdDateTime	CreatedDateTime	Timestamp
Correlation ID	correlationId	CorrelationId	CorrelationId ( = ReportId)
Request ID	id (beta-Endpoint with empty OriginalRequestId)	id, OriginalRequestId	RequestId
Unique token identifier	uniqueTokenIdentifier	UniqueTokenIdentifier	N/A
Session ID	sessionId	N/A	SessionId
Token Protection Status	signInTokenProtectionStatus	N/A	N/A
Incoming token type	incomingTokenType	N/A	N/A
GlobalSecureAccessIpAddress	GlobalSecureAccessIpAddress	N/A	N/A
Through Global Secure Access	isThroughGlobalSecureAccess	N/A	N/A
Is CAE Token	Is CAE Token	Is CAE Token	N/A
Oauth Scope Info	Oauth Scope Info	Oauth Scope Info	N/A



# Graph, Diagnostic, & XDR Logs (>2025-03)

Entra Portal (Sign-in events)	Microsoft Graph Beta	Diagnostic Logs	AADSignInEventsBeta
Date	createdDateTime	CreatedDateTime	Timestamp
Correlation ID	correlationId	CorrelationId	CorrelationId ( = ReportId)
Request ID	id (beta-Endpoint with empty OriginalRequestId)	id, OriginalRequestId	RequestId
Unique token identifier	uniqueTokenIdentifier	UniqueTokenIdentifier	N/A
Session ID	sessionId	SessionId	SessionId
Token Protection Status	signInTokenProtectionStatus	signInTokenProtectionStatus	N/A
Incoming token type	incomingTokenType	incomingTokenType	N/A
GlobalSecureAccessIpAddress	GlobalSecureAccessIpAddress	GlobalSecureAccessIpAddress	N/A
Through Global Secure Access	isThroughGlobalSecureAccess	isThroughGlobalSecureAccess	N/A
Is CAE Token	Is CAE Token	Is CAE Token	N/A
Oauth Scope Info	Oauth Scope Info	Oauth Scope Info	N/A

# Advanced Insights of Microsoft Entra ID Sign-in Logs

Enrichment of sign-in data  
with mitigation capabilities  
for token theft and detection  
of unusual token issuance

*Demo*



# Correlation of Sign-in Events to XDR Alert or Anomalies

# Risk Detection in Entra ID Protection

## Risk Detection Details

<a href="#">User's risk report</a> <a href="#">User's sign-ins</a> <a href="#">User's risky sign-ins</a> <a href="#">Linked risky sign-in</a>	
Detection type	Anomalous token ⓘ
Risk state	At risk
Risk level	Medium
Risk detail	-
Attack type(s)	Access using a valid account (Detected Offline), Steal Web Session Cookie/Token Theft
Source	Identity Protection
Detection timing	Offline
Activity	User
Detection time	8/14/2024, 5:36 PM
Detection last updated	8/14/2024, 5:36 PM
Token issuer type	Microsoft Entra ID
Sign-in time	8/14/2024, 9:16 AM
IP address	2607:f0d0:3602:69::4
Sign-in location	Montreal, Quebec, CA
Sign-in client	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Safari/537.36 Edg/127.0.0.0 OS/10.0.19045
Sign-in request id	<a href="#">9a227f17-eec8-407c-b2a5-28e8db17af00</a>
Sign-in correlation id	<a href="#">92c40244-9b01-498e-88d5-e8bffc30d196</a>

## Risk Detections in relation to sign-in/token:

- Anomalous token (offline detection)
- Attempted access of PRT (by MDE)
- Unfamiliar sign-in properties
- Unfamiliar sign-in

## Risk Detections by post-auth. activity:

- Mass Access to Sensitive Files
- Suspicious API traffic
- ...

# Suspicious Session Cookie

User compromised through session cookie hijack > Stolen session cookie was used (attack disruption)

## Stolen session cookie was used (attack disruption)

High | Active | Unassigned | AiTM attack | Attack Disruption

Attention! Attack disruption initiated a disable user action on a compromised account. For more details, select the Assets > Users tab or

Attack story Alerts (5) Assets (7) Investigations (0) Evidence and Response (9) Summary

All evidence (9)

IP addresses (7)

Cloud applications (1)

Cloud login sessions (1)

Export

	First seen	Session ID	Verdict
<input checked="" type="checkbox"/>	Mar 20, 2025 10:24...	00308dc9-13f8-c5ff-1a...	Suspicious



Suspicious

### Cloud Logon Session details

First seen	Session ID
Mar 20, 2025 10:24:31 AM	00308dc9-13f8-c5ff-1afa-c56f6fd52c8a
User agent	
Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:128.0) Gecko/20100101 Firefox/128.0	

# Defender XDR Incident Evidence

Incidents > Multi-stage incident involving Privilege escalation on one endpoint reported by multiple sources

## Multi-stage incident involving Privilege escalation on one endpoint reported by multi...

High | Active | thomas@cloud-architekt.net | Critical asset CSOC Notify

Attack story Alerts (32) Assets (24) Investigations (0) Evidence and Response (21) Summary

All evidence (21)

IP addresses (9)

OAuth applications (6)

Cloud logon sessions (5)

URLs (1)

Export

	First seen	Session ID	Verdict	Remediation status	Username
<input type="checkbox"/>	Sep 13, 2025 2:59 PM	008b57f9-acf8-a165-d920-8440314b4b4a	Suspicious		
<input type="checkbox"/>	Sep 13, 2025 2:58 PM	008b57f9-dd16-d875-a5b6-881b79b55903	Suspicious		
<input type="checkbox"/>	Sep 13, 2025 2:33 PM	008b57f9-e23e-4a92-e77b-e94152755ca8	Suspicious		
<input type="checkbox"/>	Sep 13, 2025 2:26 PM	008b57f9-0a2e-4e2c-2f44-7390921c0d14	Suspicious		
<input type="checkbox"/>	Sep 13, 2025 2:06 PM	008b57f9-8dab-9fb9-ef5b-44b705c61106	Suspicious		

# Samples of Behavior-Based Detections

- **Behaviors in Microsoft Defender XDR**

*Mass download (OneDrive), Unusual addition of credentials to an OAuth app,...*

- **User Entity Behavior Analytics (UEBA) in Microsoft Sentinel**

ML-based anomalies on activities but also sign-ins

*Suspicious number of protected documents accessed*

- **Alerts in Microsoft Defender for Cloud (e.g., Resource Manager)**

*Suspicious management session using Azure Portal/PowerShell detected,...*

- ...

# Correlation of Sign-in Events to XDR Alert or Anomalies

Enrichment of sign-in data  
with related alerts from  
Microsoft Defender XDR

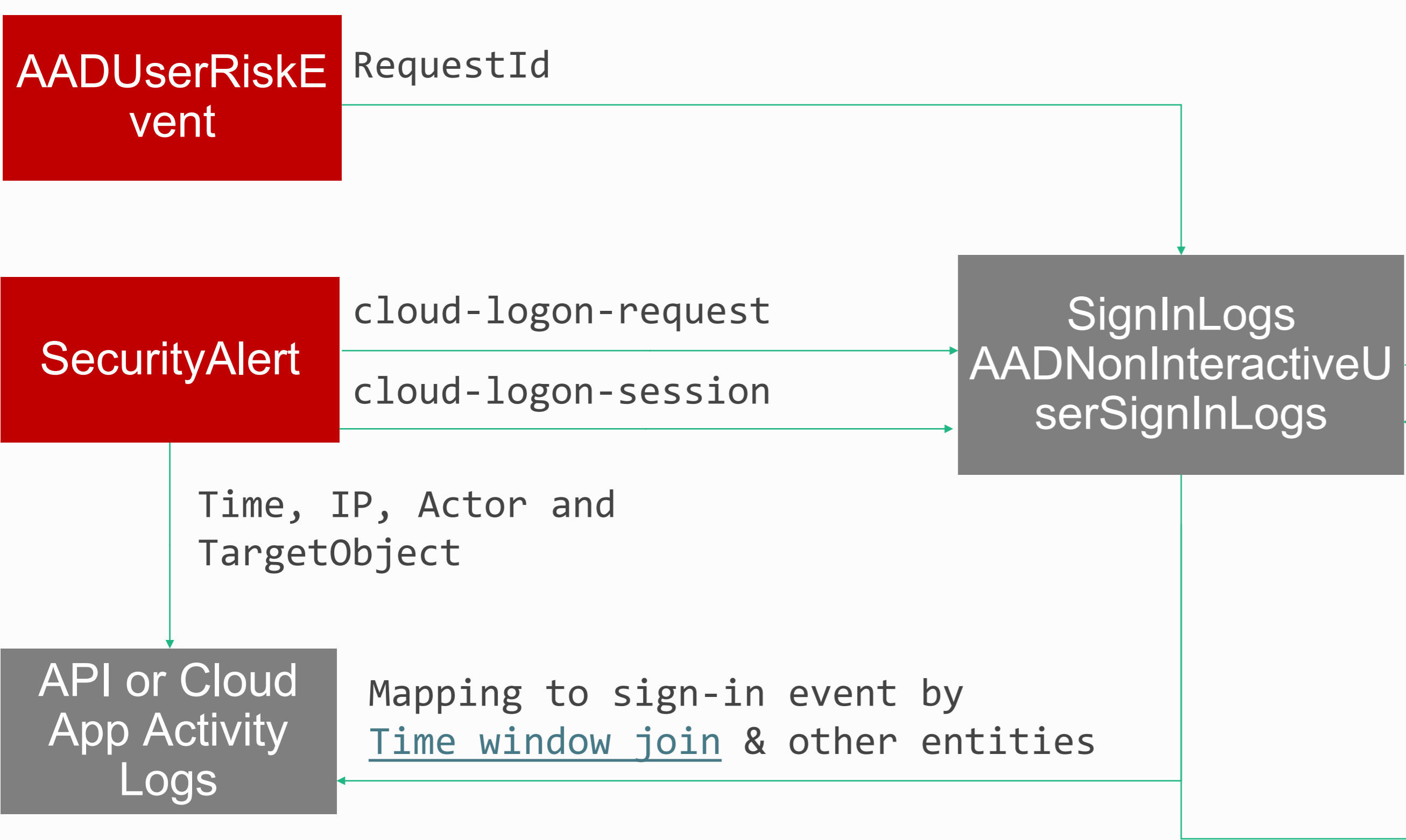
*Demo*



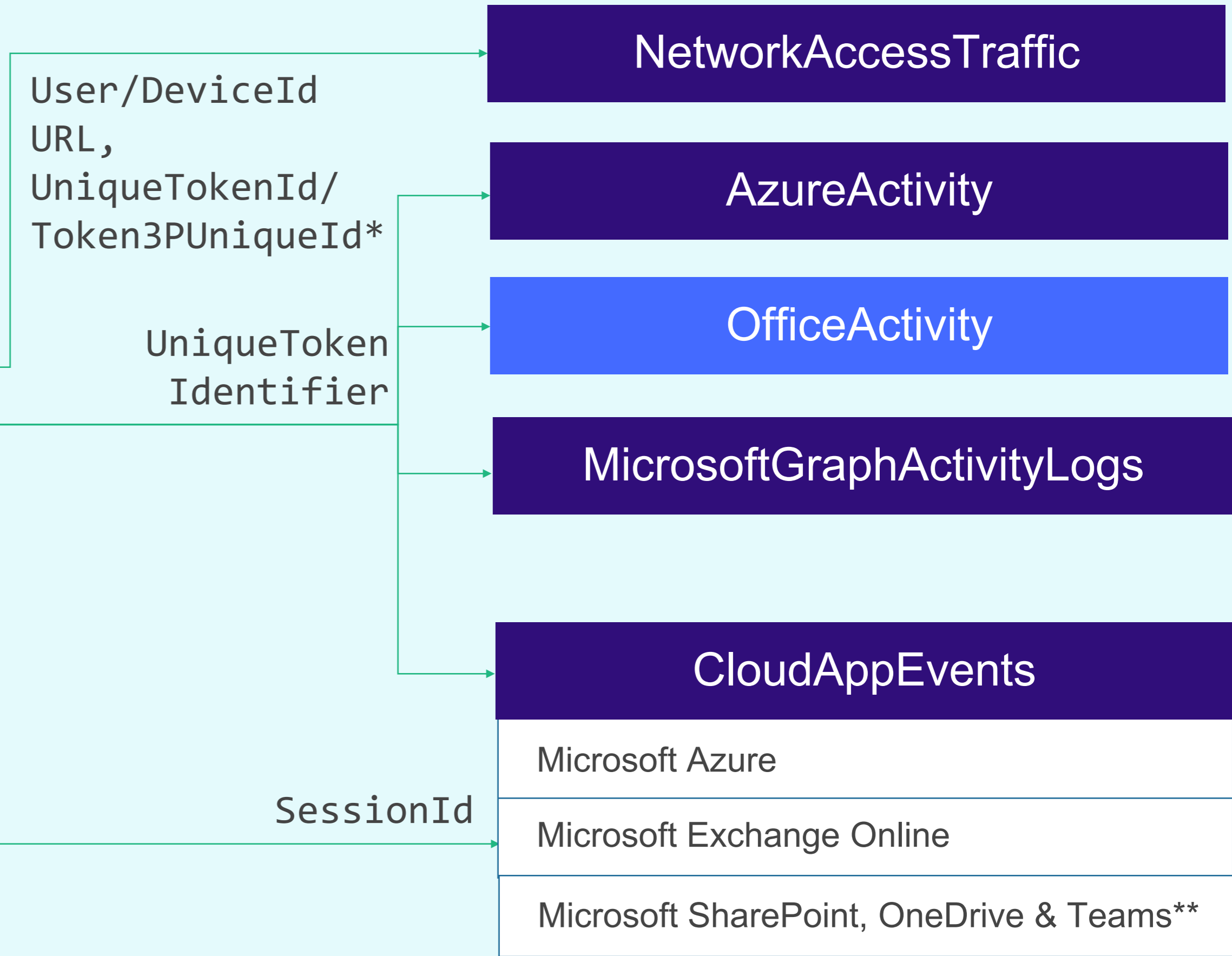
# Correlation of User Sign-in, Alert, and Cloud App Activity Logs

# Sign-in, Alert, and Activity Log Mapping

## Correlation XDR/SIEM Incident to suspicious sign-in



## Correlation of token/session to activity



\* limited to traffic for Entra ID token endpoint and Private Access Traffic

\*\* limited to specific ActionTypes of M365 workloads



# Linkable Token Identifier

- **GA “feature” since July 2025, identifier “SessionId” across log sources**
  - Microsoft Entra sign-in logs
  - Microsoft Exchange Online audit logs
  - Microsoft Graph activity logs
  - Microsoft Teams audit logs
  - Microsoft SharePoint Online audit logs
- **“Limitation”: Device Code Flow shares same session ID**

# Linkable Token Identifier in Claims

Claim	Description
<b>oid</b>	Immutable identifier identity of the user or service principal
<b>tid</b>	Tenant ID that the user is signing in to
<b>sid</b>	Identifier for entire session which has been generated when a user does interactive authentication. ID links all authentication artifacts
<b>deviceid</b>	Unique identifier for the device
<b>uti</b>	Token identifier
<b>iat</b>	Timestamp when the authentication for this token occurred.

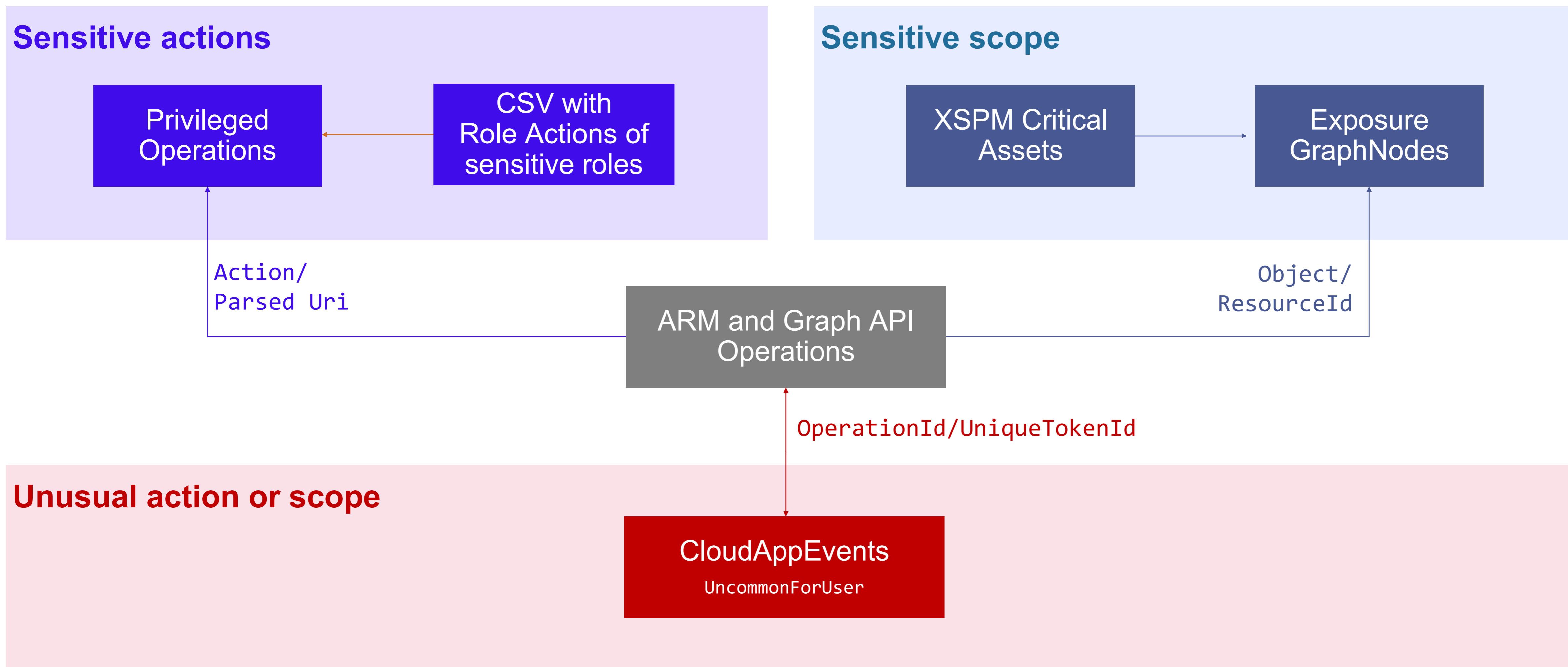
# Azure Activity Log

Claims	{"aud":"https://management.core.windows.net/","iss":"https://sts.windows.net/36955
aud	https://management.core.windows.net/
iss	https://sts.windows.net/36955ea9-c98e-4749-b603-ffefe652dd90/
iat	1754121792
nbf	1754121792
exp	1754126556
acrs	p1,urn:user:registersecurityinfo,c1,c3,c10,c11
groups	0304e423-1ccc-4d3f-8188-093ed0da94cd,19496686-1ffb-4d8d-bf39-1a2e4d1a3e
idtyp	user
ipaddr	87.163.31.194
name	Thomas Naunheim
http://schemas.microsof...	0e1e6c34-9d5c-4b24-bba6-aafb0995a6e0
puid	10032000E0AADE98
rh	1.AYEAqV6VNo7JSUe2A__v5lLdkEZIf3kAutdPukPawfj2MBNEAYqBAA.
http://schemas.microsof...	user_impersonation
sid	004f8779-e8c7-66e0-41d3-20371da64a80

# Azure Activity Log

Authorization	{ "scope": "/subscriptions/4d3e5b65-8a52-4b2f-b5cd-1670c700136b/resourceGroups/lab-mgmt/providers/Microsoft.SecurityInsights/incidents/comments/write", "action": "Microsoft.SecurityInsights/incidents/comments/write" }	
	scope	/subscriptions/4d3e5b65-8a52-4b2f-b5cd-1670c700136b/resourceGroups/lab-mgmt/providers/Microsoft.SecurityInsights/incidents/comments/write
	action	Microsoft.SecurityInsights/incidents/comments/write
▼ evidence	{ "role": "Microsoft Sentinel Responder", "roleAssignmentScope": "/subscriptions/4d3e5b65-8a52-4b2f-b5cd-1670c700136b/resourceGroups/lab-mgmt/providers/Microsoft.SecurityInsights/incidents/comments/write", "roleAssignmentId": "ecfdf36568a44b18a018363f3c05333f", "roleDefinitionId": "3e150937b8fe4cfb80690eaf05ecd056", "principalId": "d3ec39e013ed411cb3488b32719350da", "principalType": "Group" }	
	role	Microsoft Sentinel Responder
	roleAssignmentScope	/subscriptions/4d3e5b65-8a52-4b2f-b5cd-1670c700136b/resourceGroups/lab-mgmt/providers/Microsoft.SecurityInsights/incidents/comments/write
	roleAssignmentId	ecfdf36568a44b18a018363f3c05333f
	roleDefinitionId	3e150937b8fe4cfb80690eaf05ecd056
	principalId	d3ec39e013ed411cb3488b32719350da
	principalType	Group

# Enrichment of Sensitive Actions/Scope



# Correlation of User Sign-in, Alert, and Cloud App Activity Logs

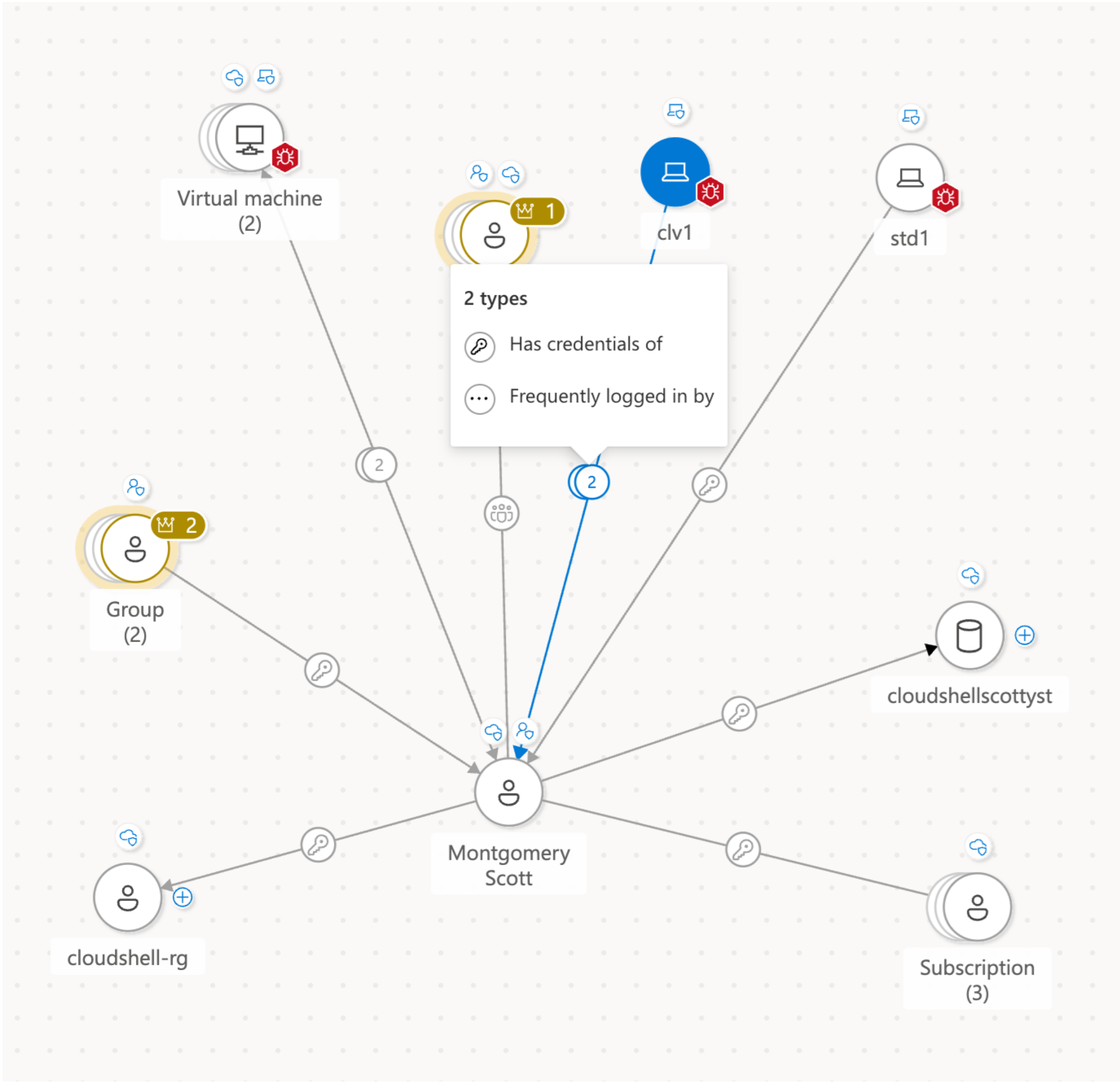
Tracking sign-in events and issued tokens, correlated to cloud app access (post-authentication events)



*Demo*



# Discover Exposed Token Artifacts with Exposure Management

# Vulnerable Device and MDE Alerts

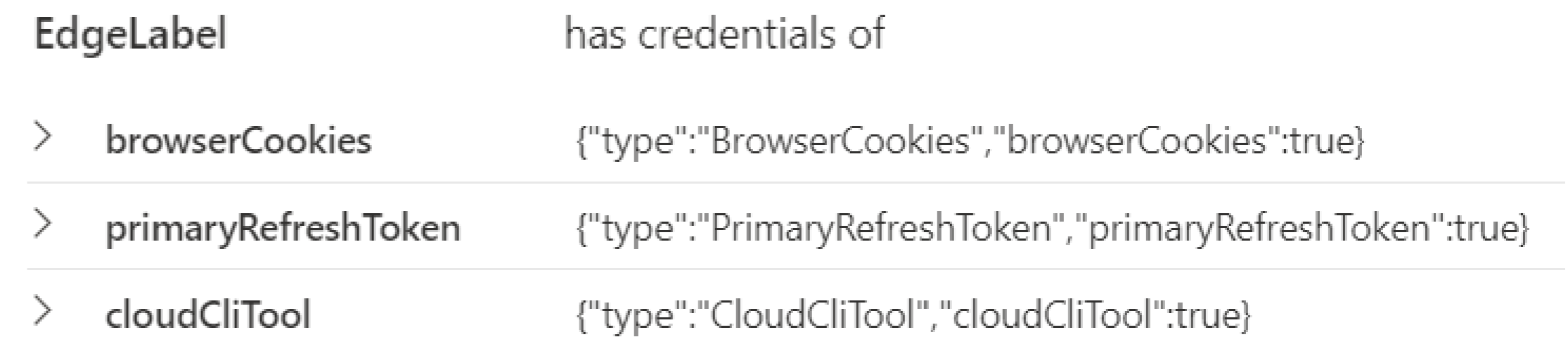


User	Montgomery Scott
Device	clv1
DeviceId	 9f49baa52d787c1458d0d4d601fb7b188
PublicIP	 91.16.
ExposureScore	Medium
RiskScore	Medium
HighRiskOrCriticalVulner...	true
MaxCvssScore	8.8
AllowedRDP	false
CredentialGuard	false
TpmActivated	true
TokenArtifacts	["PrimaryRefreshToken"]
Alerts	'Tokebrokesz' malware was prevented




# But What About Session...?





# Maester Check

Medium





 Failed

MT.1080: Credentials, tokens, or cookies from highly privileged users should not be exposed on vulnerable endpoints.

[Learn more @ maester.dev](#)

## Test result

At least one authentication artifact seems to be exposed on a vulnerable endpoint.

AccountName	Device	Classification	Criticality	Artifacts	ExposureScore	RiskScore
			Level			
 <u>Thomas Naunheim</u>	<u>vsaw-</u> <u>0</u>	ControlPlane	0	 Primary Refresh Token	Medium	High
 <u>Thomas Naunheim</u>	<u>vsaw-</u> <u>0</u>	ControlPlane	0	 User Cookie	Medium	High

# Get hunting queries from my demos



This is not  
a phishing  
link 😊

*Questions?*



HYBRID  
IDENTITY  
PROTECTION  
**conf25**

