



Descontinuación Autenticación Básica

Modern Work

Antecedentes

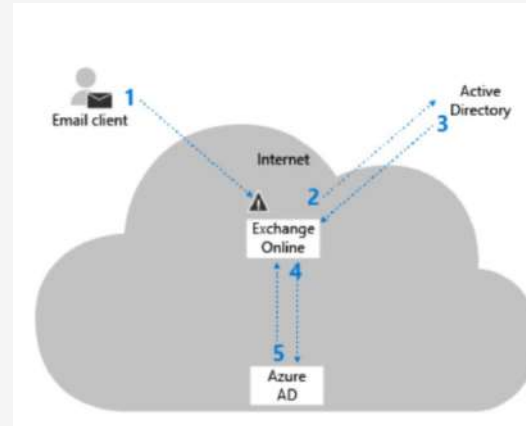
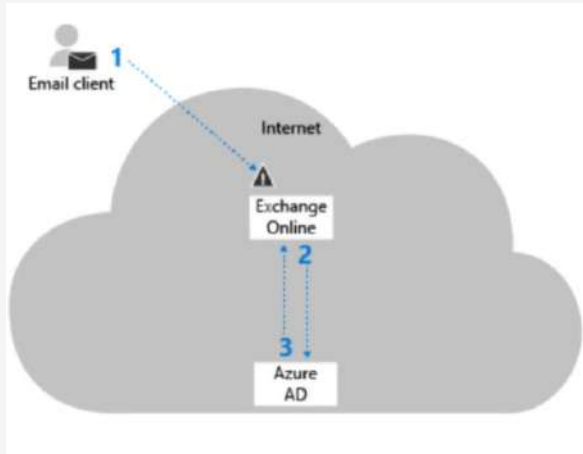
Autenticación Básica

- Basic authentication (Legacy authentication): método en que una aplicación envía el usuario y password en cada consulta, almacenándolas o guardándolas frecuentemente en el dispositivo.
- Basic Authentication se habilita por defecto en la mayoría de servidores o servicios
- Fácil para atacantes capturar credenciales (especialmente cuando no son protegidas por TLS)
- Habilitar MFA no es sencillo en algunos casos en especial cuando Basic Auth esta habilitada

Antecedentes

Autenticación Básica

- ➡ Al estar bloqueada la autenticación básica, los dispositivos cliente no podrían conectarse si aún la siguen utilizando.



Antecedentes

Autenticación Básica vs Autenticación Moderna

- ➡ Autenticación básica abre la puerta a todos los servicios.
- ➡ OAuth 2.0 (Modern authentication), se complementa con reglas de acceso condicional.

Why is Basic Auth bad?

>1.2M enterprise accounts were compromised in January 2020

>99.9% did not have MFA

480K were the result of password spray attacks

>99% of password spray attacks use legacy authentication protocol

60% of end users re-use passwords

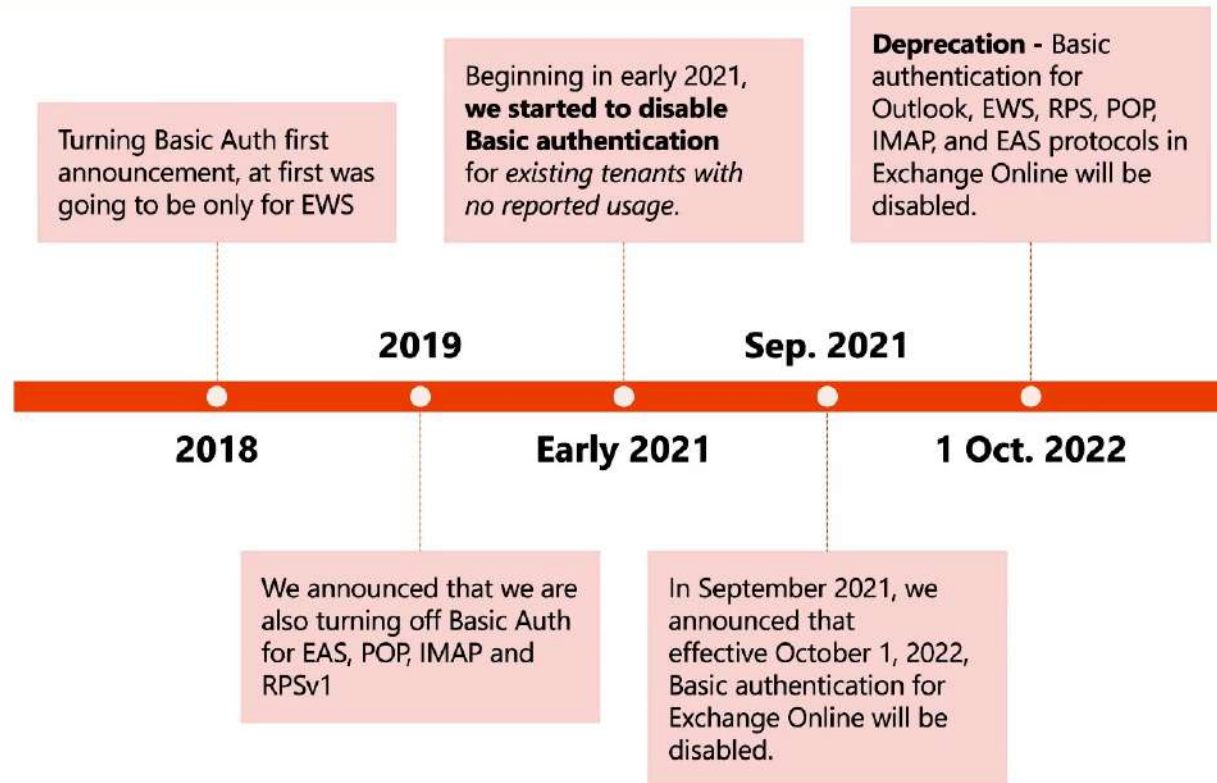
>97% of credentials stuffing attacks leverage legacy authentication

Azure AD accounts in organization that have disabled Basic authentication experience 67% fewer compromises than those who have it enabled

Antecedentes

Autenticación Básica vs Autenticación Moderna

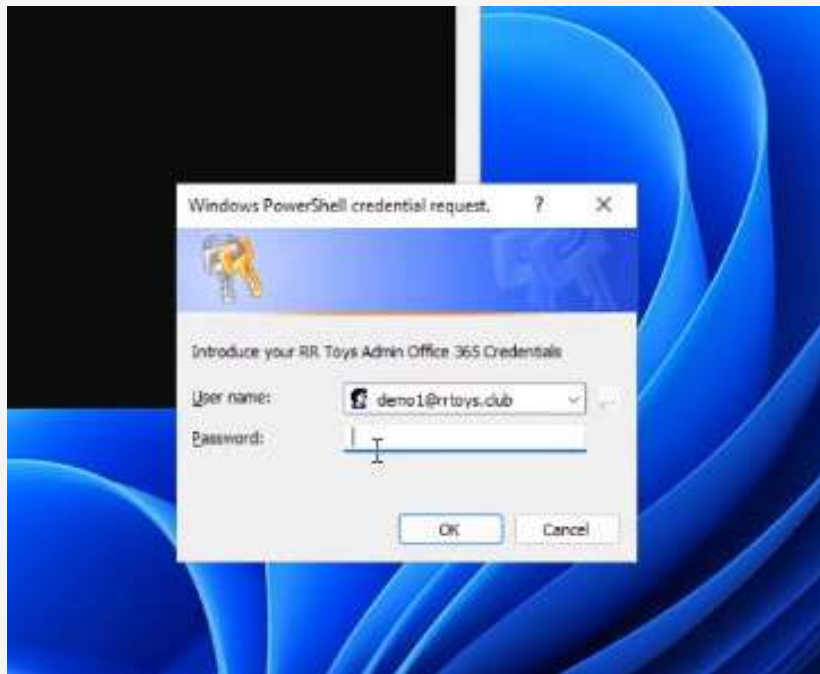
Timeline



Verificación en Clientes

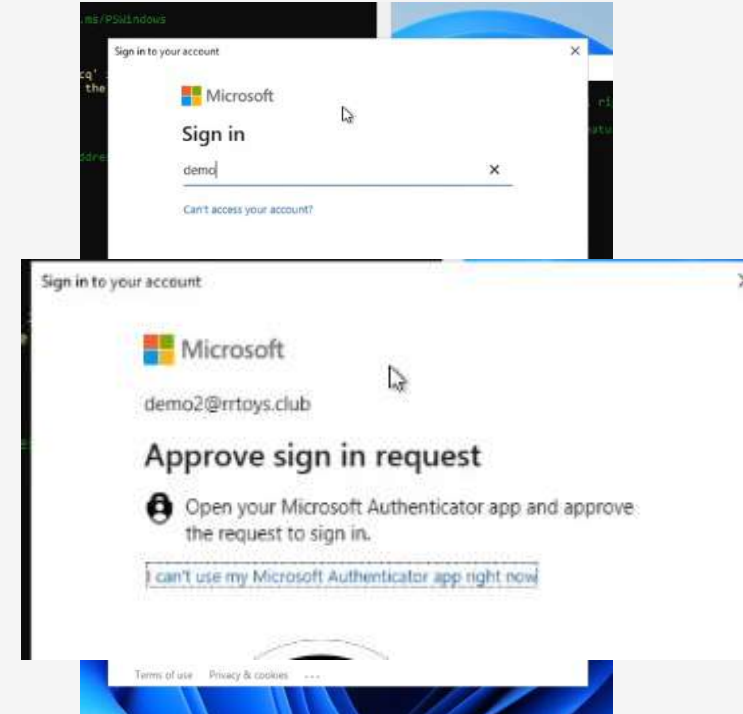
AUTENTICACION BASICA VS AUTENTICACION MODERNA

AUTENTICACION BASICA



Ventana clásica de autenticación

AUTENTICACION MODERNA



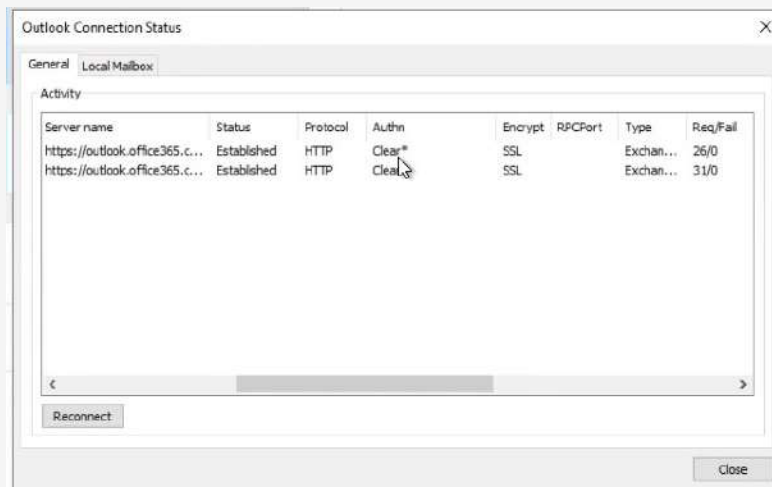
Autenticación y MFA

Verificación en Clientes

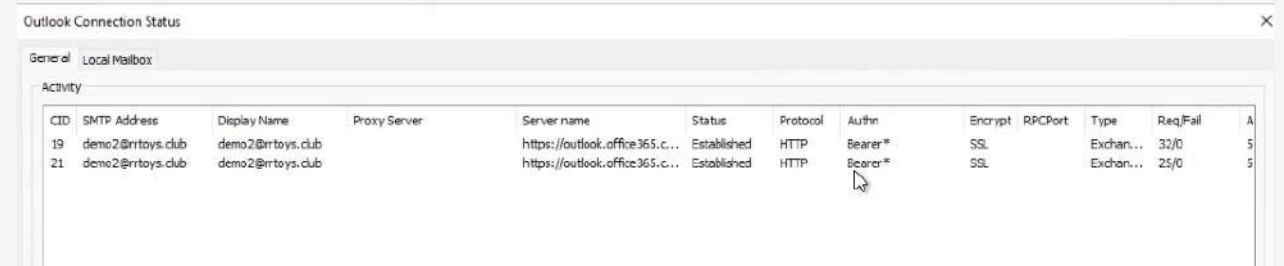
AUTENTICACION BASICA VS AUTENTICACION MODERNA

AUTENTICACION MODERNA

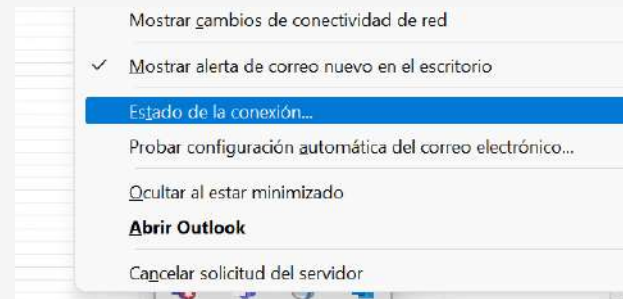
AUTENTICACION BASICA



Auth: Clear



Auth: Bearer

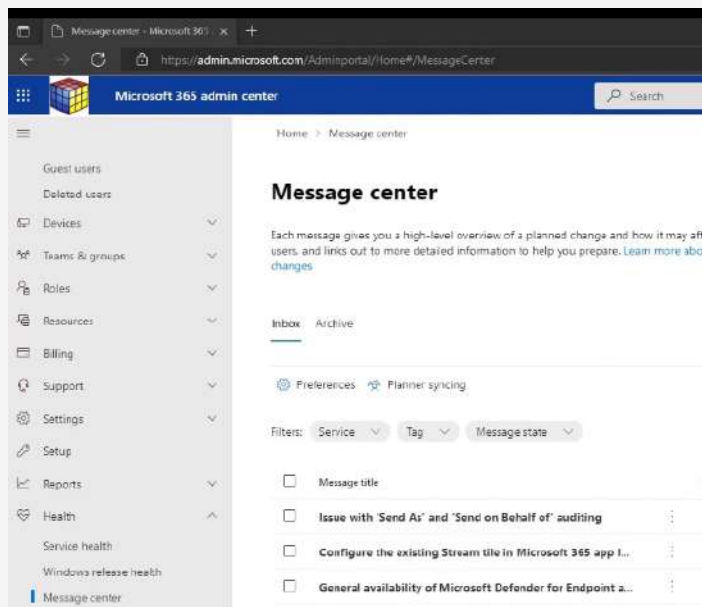


Icono de Outlook, ctr+click derecho: Estado de la conexión

Verificación en Tenants

Verificaciones iniciales M365

Message Center



Home > Message center

Message center

Each message gives you a high-level overview of a planned change and how it may affect your users, and links out to more detailed information to help you prepare. [Learn more about managing changes](#)

Inbox Archive

Preferences Planner syncing

13 items Basic Authentication

Home > Message center

Message center

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Inbox Archive

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Filters: Service Tag Message state

☐	Message title	Service	Last updated	Act by
☐	Turned-Off Basic Authentication – POP3	Exchange Online	May 14, 2022	
☐	(Updated) Basic Authentication Deprecation in Exchange Online	Exchange Online	May 10, 2022	Oct 1, 2022
☐	Basic Authentication – POP3	Exchange Online	May 6, 2022	
☒	Basic Authentication – Monthly Usage Report - April 2022	Exchange Online	May 2, 2022	
☐	Basic Authentication – Monthly Usage Report - March 2022	Exchange Online	Apr 12, 2022	
☐	(Updated) OAuth interface for Office 365 Reporting web service	Microsoft 365 suite	Apr 3, 2022	
☐	Turned-Off Basic Authentication – Exchange ActiveSync	Exchange Online	Mar 29, 2022	

Basic Authentication – Monthly Usage Report - April 2022

MC370906 · Published May 2, 2022

Archive Share Copy link Mark as unread

Service & monthly active users

Exchange Online (0)

Tag

MAJOR UPDATE RETIREMENT

Message Summary

We're making some changes to improve the security of your tenant. We announced in 2019 that we would be retiring Basic Authentication for legacy protocols, and in September 2021, we confirmed that we would begin to disable Basic Authentication for in-use protocols beginning October 2022.

We previously communicated this change via Message Center: MC191153 (Sept. '19), MC204828 (Feb. '20), MC208814 (April '20), MC237741 (Feb. '21) and MC286990 (Sep. '21).

You can always read the latest information about our plans to turn off Basic Authentication [here](#).

Based on our telemetry, there may be some users in your tenant currently using Basic Authentication and we expect these users to be affected when these changes take place.

In the month of April, we detected the following usage:

Exchange ActiveSync: 0

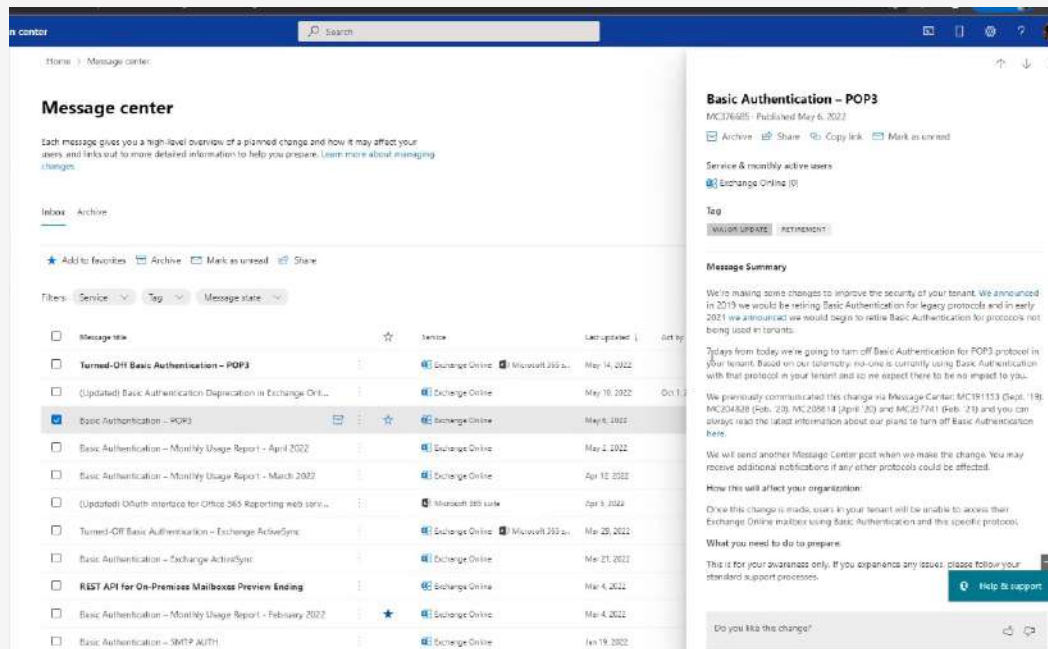
POP: 0

Énfasis en Basic Authentication –Monthly Usage Report
Se muestra el número de conexiones por protocolo

Verificación en Tenants

Apagado de protocolos

Aviso de apagado de protocolos



Message center

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Inbox Archive

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Filters: Service Tag Message state

Message title	Service	Last updated	Act by
Turned-Off Basic Authentication - POP3	Exchange Online Microsoft 365 suite	May 14, 2022	
(Updated) Basic Authentication Deprecation in Exchange Online	Exchange Online	May 10, 2022	Oct 1, 2022
Basic Authentication - POP3	Exchange Online	May 8, 2022	
Basic Authentication - Monthly Usage Report - April 2022	Exchange Online	May 4, 2022	
Basic Authentication - Monthly Usage Report - March 2022	Exchange Online	Apr 12, 2022	
(Updated) Outlook interface for Office 365 Reporting web service	Microsoft 365 suite	Apr 9, 2022	
Turned-Off Basic Authentication - Exchange ActiveSync	Exchange Online Microsoft 365 suite	Mar 28, 2022	
Basic Authentication - Exchange ActiveSync	Exchange Online	Mar 27, 2022	
RST API for On-Premises Mailboxes Preview Ending	Exchange Online	Mar 4, 2022	
Basic Authentication - Monthly Usage Report - February 2022	Exchange Online	Mar 4, 2022	
Basic Authentication - SMTP AUTH	Exchange Online	Jan 19, 2022	

Basic Authentication - POP3
MC37685 - Published May 8, 2022

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Service & monthly active users
Exchange Online (0)

Tag
ADMIN IMPACT USER IMPACT

Message Summary

We're making some changes to improve the security of your tenant. We announced in 2019 we would be retiring Basic Authentication for legacy protocols and in early 2021 we announced we would begin to retire Basic Authentication for protocols not being used in tenants.

Today from today we're going to turn off Basic Authentication for POP3 protocol in your tenant. Based on our telemetry, no-one is currently using Basic Authentication with that protocol in your tenant and so we expect there to be no impact to you.

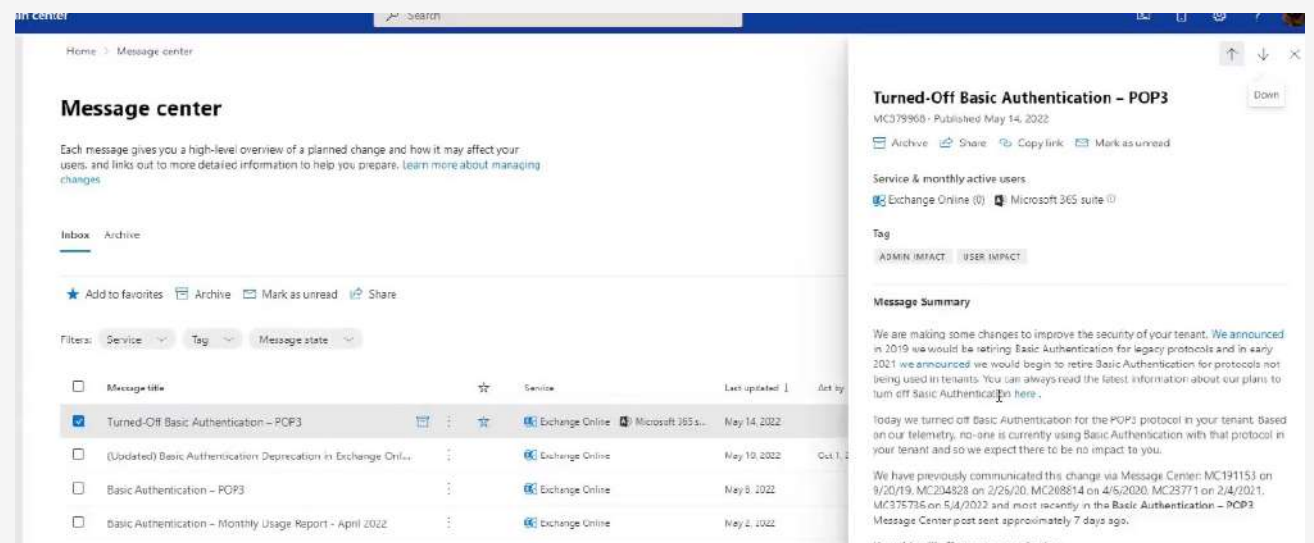
We previously communicated this change via Message Center: MC191153 (Sept. 18), MC204828 (Feb. 23), MC205614 (April 30) and MC23771 (Feb. 21) and you can always read the latest information about our plans to turn off Basic Authentication [here](#).

We will send another Message Center post when we make the change. You may receive additional notifications if any other protocols could be affected.

How this will affect your organization:
Once this change is made, users in your tenant will be unable to access their Exchange Online mailbox using Basic Authentication and this specific protocol.

What you need to do to prepare:
This is for your awareness only. If you experience any issues, please follow your standard support processes.

Do you like this change?



Message center

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Inbox Archive

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Filters: Service Tag Message state

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(Updated) Basic Authentication Deprecation in Exchange Online	Exchange Online	May 10, 2022	Oct 1, 2022
Basic Authentication - POP3	Exchange Online	May 8, 2022	
Basic Authentication - Monthly Usage Report - April 2022	Exchange Online	May 4, 2022	

Turned-Off Basic Authentication - POP3
MC379960 - Published May 14, 2022

Archive Share Copy link Mark as unread

Service & monthly active users
Exchange Online (0) Microsoft 365 suite (0)

Tag
ADMIN IMPACT USER IMPACT

Message Summary

We are making some changes to improve the security of your tenant. [We announced in 2019 we would be retiring Basic Authentication for legacy protocols and in early 2021 we announced we would begin to retire Basic Authentication for protocols not being used in tenants.](#) You can always read the latest information about our plans to turn off Basic Authentication [here](#).

Today we turned off Basic Authentication for the POP3 protocol in your tenant. Based on our telemetry, no-one is currently using Basic Authentication with that protocol in your tenant and so we expect there to be no impact to you.

We have previously communicated this change via Message Center: MC191153 on 9/20/19, MC204828 on 2/26/20, MC208614 on 4/6/2020, MC23771 on 2/4/2021, MC375736 on 5/4/2022 and most recently in the [Basic Authentication - POP3](#) Message Center post sent approximately 7 days ago.

[View this will affect your organization.](#)

Recomendación: Revisar por lo menos una vez por semana

Verificación en Tenants

Apagado de protocolos

Búsqueda de consumo: Azure Active Directory

The screenshot shows the Azure Active Directory admin center interface. The left sidebar contains navigation links for Dashboard, All services, Favorites, and various Azure AD services. The main content area displays the 'Sign-in logs' page for the 'R&R Toys' tenant. A table of sign-in events is shown, with columns for Date, User, Application, and IP address. A 'Pick a field' dropdown menu is open, showing options like Request ID, User, Username, Application, Status, IP address, Location, Resource, Resource ID, Client app, Operating system, and Device browser. The 'Client app' option is selected. The table shows various sign-in events, including successful logins for 'Demo 2' and 'Ernesto Cobos Roqueñi' using different applications like 'Office 365 Shell WCSS' and 'Microsoft Office 365 P...'. A 'Client app' filter is applied, showing a list of legacy authentication clients with checkboxes for 'Autodiscover', 'Exchange ActiveSync', 'Exchange Online Powershell', 'Exchange Web Services', 'IMAP', 'MAPI Over HTTP', 'Offline Address Book', and 'Other clients'. The 'Apply' button is visible.

Se hace un filtro de los Sign-in logs por Client apps y luego por legacy authentication

Verificación en Tenants

Apagado de protocolos

Detalles de sign-in con protocolos legados

Dashboard > R&R Toys

R&R Toys | Sign-in logs

Download Export Data Settings Troubleshoot Refresh Columns

This view will be soon replaced with a view that includes refresh tokens and application sign-ins.

Date: Last 1 month Show dates as: Local Client app: 12 selected

Date	User	Application	Status
5/18/2022, 9:35:11 PM	Demo 1	Office 365 Exchange O...	Success
5/19/2022, 9:34:35 PM	Demo 1	Office 365 Exchange O...	Failure
4/21/2022, 9:48:27 AM	Demo 1	Office 365 Exchange O...	Success
4/21/2022, 9:46:35 AM	Demo 1	Office 365 Exchange O...	Success

Activity Details: Sign-ins

Basic info Location Device info Authentication Details Conditional Access Report-only

Date: 4/21/2022, 9:46:35 AM

Request ID: a45a9dfa-e690-4996-b081-3a0dd2f51b00

Correlation ID: dd3b77f7-ae6a-46a3-a007-2d1a9a20baba

Authentication requirement: Single-factor authentication

Status: Success

Continuous access evaluation: No

Troubleshoot Event

Follow these steps:

1. Launch the Sign-in Diagnostic.
2. Review the diagnosis and act on suggested fixes.

User: Demo 1

Username: demo1@rrtoys.club

User ID: 06637591-3986-41be-9feb-2052146f45a7

Sign-in identifier: demo1@rrtoys.club

User type: Member

Cross tenant access type: None

Application: Office 365 Exchange Online

Application ID: 00000002-0000-0ff1-ce00-000000000000

Resource: Office 365 Exchange Online

Resource ID: 00000002-0000-0ff1-ce00-000000000000

Resource tenant ID: 1ca3479a-226b-4a0e-a09d-7f60e5e7c021

Home tenant ID: 1ca3479a-226b-4a0e-a09d-7f60e5e7c021

Home tenant name:

Client app: Exchange Online PowerShell

Client credential type: Client assertion

Service principal ID:

Service principal name:

El reporte puede ser descargado

Tips importantes

Top Tips

Outlook for Windows (MAPI, RPC, EWS and OAB)

Check [Get-OrganizationConfig | fl OAuth2ClientProfileEnabled](#)
False will prevent Outlook for Windows from connecting

In Azure AD Sign In Logs look for the **User Agent String** in EWS

Example: *Microsoft Office/15.0 (Windows NT 6.1; Microsoft Outlook 15.0.4893; Pro)*

14.0 – Outlook 2010 – it cannot do Modern Auth, it must be upgraded

15.0 – Outlook 2013 – it *can* do Modern Auth, but needs the EnableADAL [reg key](#) setting

16.0 – Outlook 2016+ - it does Modern Auth by default, no changes needed

If you see 16.0 anywhere – there's a policy in place setting the EnableADAL key to 0

Importante: Asegurarse que OS y Office se encuentren actualizados

Following are the versions of Office currently supported for connecting to Microsoft 365 (and Office 365) services:

- Microsoft 365 Apps
- Office LTSC 2021
- Office 2019
- Office 2016



Top Tips

ActiveSync (EAS)

We are working with Apple on auto-migration for non-MDM devices with builds ≥ 1805 (95% of devices we see)

Without MDM, solution in many native apps that support OAuth is the user to remove, then add back the mail account

With MDM – talk to the MCDM provider and update/push down a new profile

Windows Mail

User Agent *MSFT-WIN-3/10* – it was set up using 'Exchange' – delete account and add back as type 'Office 365'

Tips importantes



More Top Tips

Exchange Web Services (EWS)

Mac Mail and Mac Outlook User Agent Strings

AppleExchangeWebServices/814.100.1 Mail/3654.120.0.1.13

MacOutlook/16.55.21111400 (Intelx64 Mac OS X 12.0.1 (Build 21A559))

Scripts / Apps

python-requests/2.26.0

ExchangeServicesClient/15.00.0913.015

Spark/2.11.9.504 CFNetwork/1325.0.1 Darwin/21.1.0

MDM

AirWatch Boxer (SM-G998U; Android 12) Version 21.11.0.2/2435

EWS is used by many apps, so User Agents, users, and IP addresses are going to help identify them
Path forward is move to EWS with OAuth, or Microsoft Graph

Tips importantes



More Top Tips



POP/IMAP/RPS – no user agent strings, so user details and source IP

POP/IMAP – can do OAuth already – Client Credential Flow coming soon

RPS – Use EXO V2 module

If you have written your own code using these protocols, update your code to use OAuth 2.0 instead of Basic Authentication, or migrate to a newer protocol (Graph API).

If you or your users are using a 3rd party application which uses these protocols, reach out to the 3rd party app developer who supplied this application to update it to support OAuth 2.0 authentication or assist your users to switch to an application that's built using OAuth 2.0.

Tips importantes



Next Steps

- Look at the summary data sent to your Message Center to get an idea of where to focus
- Use *Azure AD Sign-in reports*, filtering by protocol, to see user account, user agent, IP address details etc.
- Prepare an end-user communication if you need users to do something. [Here's](#) a great example from the University of Wisconsin
- Upgrade old versions of Office, Check the EnableADAL key is set
- Speak to your MDM provider, roll out new profiles with updated auth
- Start talking to third party app providers now, app dev and deployment takes time
- It could be a good time to stop POP and IMAP and switch those users to OWA
- Complete the opt-out if you want us to leave any protocols alone for as long as possible



Links importantes

- [Degradar la autenticación básica en Exchange Online | Microsoft Docs](#)
- [Basic Authentication and Exchange Online – September 2021 Update - Microsoft Tech Community](#)
- [Cómo funciona la autenticación moderna para las aplicaciones de cliente de Office 2013 y Office 2016 - Microsoft 365 Enterprise | Microsoft Docs](#)
- [Enabling Modern Auth for Outlook – How Hard Can It Be? - Microsoft Tech Community](#)
- [Acerca del módulo Windows PowerShell V2 de Exchange Online. | Microsoft Docs](#)
- [Connect to Security & Compliance Center PowerShell using the EXO V2 module | Microsoft Docs](#)
- [Exchange Online and Exchange development | Microsoft Docs](#)
- [Authentication and EWS in Exchange | Microsoft Docs](#)
- [Microsoft identity platform and OAuth 2.0 authorization code flow - Microsoft Entra | Microsoft Docs](#)
- [Authentication flow support in the Microsoft Authentication Library \(MSAL\) - Microsoft Entra | Microsoft Docs](#)
- [Microsoft Corporate - \[SPANISH\] Microsoft Tech Talks - Descontinuación de Basic Auth en Exchange Online MTT91100 \(eventbuilder.com\)](#)
- [Degradar la autenticación básica en Exchange Online | Microsoft Learn](#)
- [Basic Authentication Deprecation in Exchange Online – September 2022 Update - Microsoft Community Hub](#)
- [Basic Authentication Deprecation in Exchange Online – Time's Up - Microsoft Community Hub](#)
- [Cómo configurar una aplicación o dispositivo multifunción para enviar correos electrónicos mediante Office 365 o Microsoft 365 | Microsoft Learn](#)



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