



Monitor Sign-Ins and Admin Activity in Microsoft Entra ID

Track login attempts, detect threats, and monitor admin actions




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Why Monitor Sign-Ins and Audit Logs?




 Detect risky sign-in activity like **brute force** or **password spray**




 Troubleshoot login failures, MFA issues, and blocked access



 Track **who made changes** to users, groups, or policies



 Investigate suspicious behavior or unauthorized actions

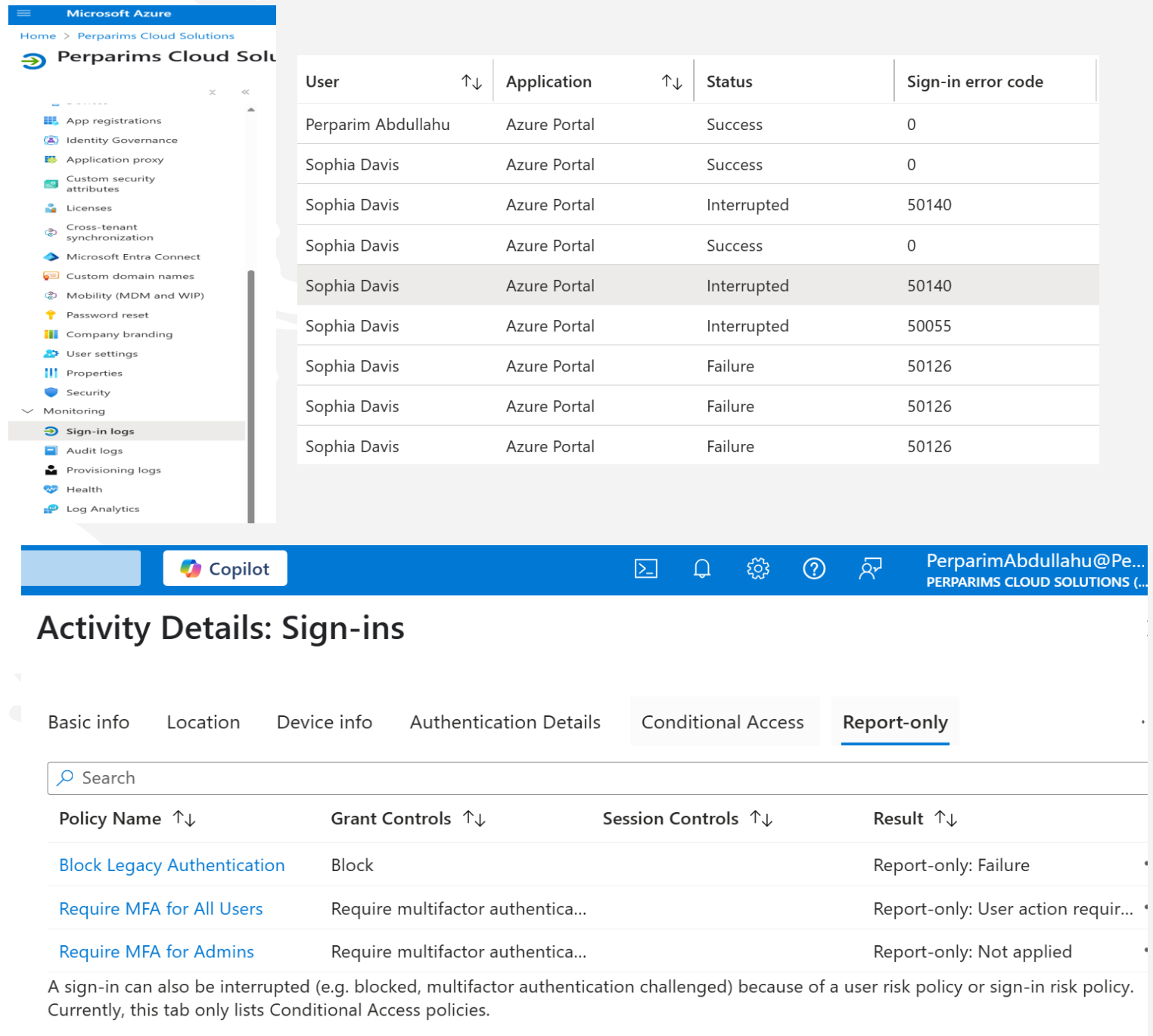


 Maintain visibility for **compliance and incident response**

If you can't see it, you can't secure it.

Track Every Login Attempt in Microsoft Entra

- 🔍 View **successful, failed, and interrupted** sign-in attempts
- 🌐 See **IP address, location, and device details**
- 🛡️ Check if **MFA or Conditional Access** was triggered
- 🧠 Understand **error codes** (e.g., invalid password, blocked access)
- 📄 Export logs as **CSV or JSON** for deeper analysis



User	Application	Status	Sign-in error code
Perparim Abdullahu	Azure Portal	Success	0
Sophia Davis	Azure Portal	Success	0
Sophia Davis	Azure Portal	Interrupted	50140
Sophia Davis	Azure Portal	Success	0
Sophia Davis	Azure Portal	Interrupted	50140
Sophia Davis	Azure Portal	Interrupted	50055
Sophia Davis	Azure Portal	Failure	50126
Sophia Davis	Azure Portal	Failure	50126
Sophia Davis	Azure Portal	Failure	50126

Activity Details: Sign-ins







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

Search

Policy Name	Grant Controls	Session Controls	Result
Block Legacy Authentication	Block		Report-only: Failure
Require MFA for All Users	Require multifactor authentica...		Report-only: User action requir...
Require MFA for Admins	Require multifactor authentica...		Report-only: Not applied

A sign-in can also be interrupted (e.g. blocked, multifactor authentication challenged) because of a user risk policy or sign-in risk policy. Currently, this tab only lists Conditional Access policies.

Track Admin Activity with Microsoft Entra Audit Logs

-  See actions like **user updates**, group changes, label creation, etc.
-  View **what changed** (old vs. new values)
-  Identify **who performed** each action
-  Filter by **time, category, and activity type**
-  Use **Correlation ID** for Microsoft support/troubleshooting
-  Export audit logs as CSV for deeper analysis

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- Roles and administrators
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- Password reset
- Company branding
- User settings
- Properties
- Security
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 - Sign-in logs
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 - Provisioning logs
 - Health
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Service	Category	Activity	Status	Status Reason
Core Directory	Agreement	Update agreement	Success	
Core Directory	Agreement	Update agreement	Success	
Authentication Methods	ApplicationManagement	POST UserAuthMethod....	Success	NoContent
Core Directory	UserManagement	Update user	Success	
Authentication Methods	UserManagement	User registered all requi...	Success	User registered all required security info
Authentication Methods	ApplicationManagement	POST UserAuthMethod....	Success	NoContent
Core Directory	UserManagement	Update user	Success	
Authentication Methods	UserManagement	User registered security ...	Success	User registered Authenticator App with N...
Authentication Methods	UserManagement	User started security inf...	Success	User started the registration for Authentic...
Core Directory	UserManagement	Update user	Success	
Core Directory	UserManagement	Update user	Success	
Self-service Password M...	UserManagement	Change password (self-s...	Success	None
Core Directory	UserManagement	Update StsRefreshToken...	Success	
Core Directory	UserManagement	Change user password	Success	
Core Directory	UserManagement	Update PasswordProfile	Success	
Core Directory	UserManagement	Update StsRefreshToken...	Success	
Core Directory	UserManagement	Reset user password	Success	
Core Directory	UserManagement	Update PasswordProfile	Success	
Core Directory	UserManagement	Update user	Success	
Core Directory	UserManagement	Update PasswordProfile	Success	
Self-service Password M...	UserManagement	Self-service password re...	Failure	This user is not a member of the passwor...

Break Down a Real Log Entry in Microsoft Entra







- 🧑 **Actor:** Who performed the action (admin account or system)
- 📄 **Action:** What was done (e.g., Update User, Register MFA)
- 🎯 **Target:** What object was affected (user name, ID, etc.)
- 🔄 **Change Detail:** Before vs. after values
- 📅 **Timestamp:** When it happened
- 🆔 **Correlation ID:** Useful for Microsoft support or deep tracing

Authentication Methods	UserManagement	User registered security ...	Success	User registered Authenticator App with N...
Authentication Methods	UserManagement	User started security inf...	Success	User started the registration for Authentic...
Core Directory	UserManagement	Update user	Success	

How to Use Microsoft Entra Logs in Daily Operations

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-  **Detect suspicious sign-ins** like brute force or MFA failure
-   **Investigate user-reported issues** (e.g., can't log in, access denied)
-  **Trace admin activity** when something changes unexpectedly
-  **Prove compliance** by tracking who did what and when
-  **Export logs** for audits or integrate with SIEM tools

Sign-in + Audit logs = Full visibility. No blind spots.