

Top 5 Azure AD Incidents You Need Visibility Into



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#1: User Account Changes

Because Azure AD is the cornerstone of your hybrid cloud operations, tracking changes to user accounts is essential for timely detection of suspicious activity on your cloud directory service. Netwrix Auditor delivers complete visibility into changes to Azure AD user accounts, including their creation, modification, and deletion and helps answer the following questions

- What changes were made to your Azure AD accounts?
- Who performed each change?
- Where did each change originate from?
- Which accounts were successfully synchronized from your on-premises AD?
- When was each change made?

User Account Management in Azure AD

Shows changes to Azure AD user accounts, including their creation, modification, and deletion.

and deletion.			
Action	What	Who	When
Where: enterprise Account Enabled: Display Name: "A. First Name: "Alex" Surname: "Johnso Mail Nickname: "A Password Policies User Principal Nam User Type: "Memborigin: Azure AD	"True" Johnson" n" A.Johnson " : "None" ne: "A.Johnson	N.Hamphry@enterprise.onmicrosoft.com m @enterprise.onmicrosoft.com"	9/14/2016 3:06:55 AM
ModifiedWhere: enterpriseAccount EnabledOrigin: Azure AD			9/14/2016 10:32:23 AM



#2: Group Membership Changes

Constant control over group membership changes in Azure AD helps ensure that no users are granted unwarranted rights to access your cloud-based applications or to modify or remove sensitive data. Netwrix Auditor tracks every change made to group membership in your Azure AD and provides answers to the following questions:

- Which Azure AD groups were modified?
- Who was added to or removed from an Azure AD group?
- Who made each change?
- When was each change made?

Group Membership Changes in Azure AD

Shows changes to group membership in Azure AD. Use this report to exercise security control over your data.

What	Who	When
Production Where: enterprise.onmicrosoft.com Member: • Added: "Phil Anderson"	T.Simpson@enterprise.onmicrosoft.com	9/13/2016 8:00:50 AM
Self-Service App Access for freelancer Where: enterprise.onmicrosoft.com Member: • Removed: "Danny Hunter"	J.Carter@enterprise.onmicrosoft.com	9/14/2016 3:24:17 PM
Managers Where: enterprise.onmicrosoft.com Member: • Added: "Gordon Smith"	B.Kelly@enterprise.onmicrosoft.com	9/15/2016 9:12:34 AM



#3: Spikes of Failed Logon Activity

Numerous failed logons by a single user can indicate that the account has been compromised or that someone is trying to break into your cloud environment. Netwrix Auditor enables Azure AD access control by reporting on both successful and failed attempts to sign in to your cloud directory service, answering the following questions:

- Who performed a failed logon attempt?
- What user agents and client IP were used to sign in to your cloud directory?
- What was the cause of each logon error?
- When was each logon attempted?

Azure AD Logon Activity

Shows successful and failed logon attempts in Azure AD. Use this report to analyze user

activity and validate co	ompliance.	io analyze aser
Action	Who	When
Request Type: Org		9/9/2016 10:20:15 AM
. ,	.121	9/9/2016 8:50:18 AM



#4: User-Initiated Password Changes

After integrating your on-premises directories with Azure AD, you can configure a password reset policy that enables users manage their own passwords. Monitoring user-initiated password changes helps you detect suspiciously frequent modifications and respond quickly to thwart attackers. Netwrix Auditor shows password changes made directly in Azure AD and helps answer the following questions:

- Who changed or restored their own passwords in Azure AD?
- Where did each change originate from?
- When was each change made?

User-Initiated Password Changes in Azure AD

Shows Azure AD users who changed or restored their passwords directly in Azure AD without provisioning from on-premises Active Directory.

without provisioning from on-premises Active Directory.			
User Name	Who	When	
J.Carter@enterprise.onmicrosoft.com Password Changed Origin: Azure AD	J.Carter@enterprise.onmicrosoft.com	9/12/2016 8:25:21 AM	
T.Simpson@enterprise.onmicrosoft.com Password Changed Origin: Azure AD	T.Simpson@enterprise.onmicrosoft.com	9/12/2016 8:47:06 AM	
G.Brown@enterprise.onmicrosoft.com Password Changed Origin: Azure AD	G.Brown@enterprise.onmicrosoft.com	9/13/2016 11:40:38 AM	



#5: Application Changes

It's critical to protect the applications hosted in your Azure against improper configuration changes and deletion, and to detect the addition of any suspicious applications in a timely manner. Netwrix Auditor shows all application changes in your Azure environment and helps answer the following questions:

- Who added, modified or deleted an application in your Azure AD environment?
- Were any unapproved applications added to your cloud service?
- Is a particular application available to other tenants?
- When was each change made?

All Azure AD Activity by Object Type

Shows all changes made to Azure AD objects (creation, modification, and deletion), as well as successful and failed logon attempts, grouped by object type.

Object Type: Application

Action	What	Who	When
Removed Where: er Origin: Az	nterprise.onmicrosoft.co	T.Simpson@enterprise.onmicrosoft.com m	9/12/2016 8:59:27 PM
Added	Active Directory for GitHub Enterprise	J.Carter@enterprise.onmicrosoft.com	9/13/2016 3:51:48 AM
Address T App ld: "7 Available		e-e558d20efcd8" se"	



About Netwrix Auditor

Netwrix Auditor is a **visibility and governance platform** that enables control over changes, configurations and access in hybrid cloud IT environments to protect data regardless of its location. The unified platform provides security analytics for detecting anomalies in user behavior and investigating threat patterns before a data breach occurs.

Netwrix Auditor includes applications for Active Directory, Azure AD, Exchange, Office 365, Windows file servers, EMC storage devices, NetApp filer appliances, SharePoint, Oracle Database, SQL Server, VMware and Windows Server. Empowered with a RESTful API, Netwrix Auditor provides endless integration, auditing and reporting capabilities for security and compliance.

Unlike other vendors, Netwrix focuses exclusively on providing complete visibility and governance for hybrid cloud security. The sharp focus enables us to offer much more robust functionality than legacy change auditing solutions. Netwrix Auditor has been already honored with more than **100 awards** and recognized by almost **160,000 IT departments** worldwide.

Deploy Netwrix Auditor Wherever You Need It





Free Cloud Deployment from the AWS, Azure and CenturyLink Marketplaces: netwrix.com/go/cloud













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