# DARKWEB DO AZURE ACTIVE DIRECTORY USER GUIDE VERSION 1.0



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## PREREQUISITES

This integration is specifically for Azure's Cloud Based Active Directory (AD). To use an Active Directory Group in Dark Web ID<sup>™</sup> and BullPhish ID<sup>™</sup>, it will need to contain information for "givenName", "surname", "jobTitle", and "mail" to translate to BullPhish ID. If "jobTitle" is null, it will default to "Employee."

## **GRANT API ACCESS TO AZURE AD**

- 1. Log into Azure Portal: <u>https://portal.azure.com</u>.
- 2. Click on "Azure Active Directory" in the left navigation menu.
- 3. Click on "App registrations" on the secondary menu.





#### 4. Click "New registration."





5. On the "Register an application" page, provide application name, and select "Accounts in any organizational directory" from the "Supported account types" radio button list.

Microsoft Azure	$\mathcal{P}$ Search resources, services, and docs
×	Home > App registrations > Register an application
- Create a resource	Register an application
🛧 Home	
🗔 Dashboard	* Name
∃ All services	The user-facing display name for this application (this can be changed later).
★ FAVORITES	Your Application Name
All resources	
🕅 Resource groups	Supported account types
🔇 App Services	Who can use this application or access this API?
🦘 Function App	Accounts in this organizational directory only
🧟 SQL databases	Accounts in any organizational directory
🞾 Azure Cosmos DB	Accounts in any organizational directory and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com)
<b>1</b> Virtual machines	Help me choose
💠 Load balancers	rep ne croosea
🧮 Storage accounts	Dedicast UDI (entional)
<ul> <li>Virtual networks</li> </ul>	Redirect ORI (optional)
Azure Active Directory	optional and it can be changed later, but a value is required for most authenticating the user. Providing this now is
🕒 Monitor	Web          e.g. https://myapp.com/auth
🌪 Advisor	
Security Center	
📀 Cost Management + Billing	
Help + support	



- 6. **Application ID, Tenant ID,** and Object ID are displayed. These will be needed to authenticate in Dark Web ID (Not Pictured).
- 7. Click "API permissions."
- 8. Click "Add a permission."

Microsoft Azure		<mark>م</mark> .
«	Home > 1 App registrations	s > Geo Test - API permissions
Create a resource	Geo Test - API permissions	
🛧 Home	*	
🖽 Dashboard	Overview	API permissions
∃ All services	📣 Quickstart	Applications are authorized to use APIs by grant/deny access.
+ FAVORITES	Manage	
All resources	Reanding	
😭 Resource groups		API / PERMISSIONS Add a permission
🔇 App Services		<ul> <li>Microsoft Graph (1)</li> </ul>
Function App	Y Certificates & secrets	User.Read
SOL databases	API permissions	
	Expose an API	These are the permissions that this applicate able permissions dynamically through cod
Azure Cosmos DB	Owners	
Virtual machines	0 Manifest	
🚸 Load balancers		Grant consent
Storage accounts	Support + Troubleshooting	To consent to permissions that require adr
😔 Virtual networks	X Troubleshooting	directory.
Azure Active Directory	New support request	Grant admin consent for
Monitor		



9. On the right-side menu, click "Microsoft Graph."

℅ Search resources, services, and docs		>_ 🕼 Q 💈	🕸 ? 🙂 👘 🖓 👘
ons	Request API permissions		
	Select an API		
zed to use APIs by requesting permissions. These permissions show up c	Commonly used Microsoft APIs	Luses My Aris	
NAME TYPE DESCRIPTION	Microsoft Graph Take advantage of the tremendous amount Security, and Windows 10. Access Azure AD OneNote, SharePoint, Planner, and more th	of data in Office 365, Enterprise Mobility + , Excel, Intune, Outlook/Exchange, OneDrive, rough a single endpoint.	
əh (1)			
Delegated Sign in and read u ns that this application requests statically. You may also request user cor ically through code. See best practices for requesting permissions	Azure Data Catalog Programmatic access to Data Catalog resources to register, annotate and search data assets	Azure Rights Management Services Allow validated users to read and write protected content	Azure Service Management Programmatic access to much of the functionality available through the Azure portal
ns that require admin consent, please sign in with an account that is an a	Data Export Service for Microsoft Dynamics 365 Export data from Microsoft Dynamics CRM organization to an external destination	Programmatic access to data and functionality in Dynamics 365 Business Central	Dynamics CRM Access the capabilities of CRM business software and ERP systems
	Flow Service Embed flow templates and manage flows	Programmatic access to Intune data	Office 365 Management APIs Retrieve information about user, admin, system, and policy actions and events from Office 365 and Azure AD activity
	Create and manage notes, lists, pictures,	Power BI Service	S SharePoint Interact remotely with SharePoint data

10. Click "Application permissions."





Scroll down to "Group", expand it, select "Group.Read.All." 11.

<i>P</i> Search res	sources, services, and docs		>_	Ŗ	Q	۲	?	٢
Test - API permissions		Request API permissions						
Geo Test - API permissions		< All APIs						
«		EduAssignments						
Overview	API permissions	▶ EduRoster						
📣 Quickstart	Applications are authorized to use APIs t grant/deny access.	▶ Files						
Manage	+ Add a permission	▼ Group (1)						
🧮 Branding	API / PERMISSIONS NAME	Group.Read.All						
Authentication	Microsoft Graph (1)      User.Read  These are the permissions that this appliable permissions dynamically through oc	Read all groups 👔						
📍 Certificates & secrets		Group.ReadWrite.All Read and write all groups						
→ API permissions		► IdentityRiskEvent						
Expose an API		IdentityRiskyUser						
Owners		MailhovSattings						
0 Manifest		• ManboxSettings						
	Grant consent	Mail						
Support + Troubleshooting	To consent to permissions that require a	Member						
✗ Troubleshooting	directory.	Notas						
New support request	Grant admin consent for	r Notes						
		<ul> <li>OnlineMeetings</li> </ul>						

Scroll down to "User", expand it, select "User.Read.All." Click "Add permissions." 12.

#### 13.

Yes
Yes
Yes
Yes



14. From the API Permissions page, click "Grant admin consent for Default Directory" button. This action requires admin level access.

Microsoft Azure			ho  Search resources, ser	vices, and docs	5
«	Home > Default Directory - App registrat	ions >			
+ Create a resource	Darweb ID Test - API permissi	ions			
🛧 Home	«				
🖪 Dashboard	Sverview	API permissions			
E All services	📣 Quickstart	Applications are authorized to use AF grant/deny access.	vis by requesting permissi	ions. These pe	rmissions sh
+ FAVORITES	Manage	+ Add a permission			
All resources	Manding	API / PERMISSIONS NAME		TYPE	DESCRIPTIO
🐑 Resource groups	Authentication				
🔇 App Services	♀ Certificates & secrets	<ul> <li>Microsoft Graph (5)</li> </ul>			
🦘 Function App	- API permissions	Directory.ReadWrite.All		Application	Read and
👼 SQL databases	Evnose an ADI	Group.Read.All		Application	Read all g
🞾 Azure Cosmos DB		Group.ReadWrite.All		Application	Read and
👰 Virtual machines	Manifest	Liser Read		Delegated	Sign in an
🚸 Load balancers	Mannest			Delegated	
🥃 Storage accounts	Support + Troubleshooting	User.ReadWrite.All		Application	Read and
Virtual networks	🗙 Troubleshooting	These are the permissions that this ap	oplication requests statica	ally. You may a	lso request i
Azure Active Directory	New support request	able permissions dynamically through	redue. See best produce.	s for requestin	ig permissio
🕒 Monitor		Creat concert			
🌪 Advisor		Grant consent		to all to all to a	
Security Center		As an administrator, you can grant co means that end users will not be sho	wn a consent screen wher	rs in this direct n using the ap	plication.
Cost Management + Billing		Grant admin consent for Default Di	rectory		
Help + support			frant admin consent for Def	ault Directory	1



- 15. Click on "Certificates & secrets."
- 16. Click "New client secret." This Secret will be needed to authenticate with Dark Web ID. **Important: The Client Secret is only visible at this time and should be safely recorded or used, as it will not be retrievable later.**

Microsoft Azure		₽ Search resources, servi
×	Home 🔸 Default Directory - App registrati	ons > geo test - Certificates & secrets
Create a resource	geo test - Certificates & secret	ts
🛧 Home	«	
🖬 Dashboard	Overview	Credentials enable applications to identify themselves to the au higher level of assurance, we recommend using a certificate (ins
∃ All services	📣 Quickstart	higher level of assumed, we recommend using a certaileate (ins
+ FAVORITES		Certificates
All resources	Branding	Certificates can be used as secrets to prove the application's ide
😭 Resource groups	Authentication	↑ Upload certificate
🔇 App Services	Certificates & secrets	THUMBPRINT
🦘 Function App	- API permissions	No certificates have been added for this application.
👼 SQL databases	Fynose an API	
🖉 Azure Cosmos DB		
👰 Virtual machines	Manifest	Client secrets
🚸 Load balancers		A secret string that the application uses to prove its identity wh
Storage accounts	Support + Troubleshooting	+ New client secret
<ul> <li>Virtual networks</li> </ul>	X Troubleshooting	DESCRIPTION ED
Azure Active Directory	New support request	
Monitor		No client secrets have been created for this application.
🌪 Advisor		



### **AUTHENTICATE WITH DARK WEB ID**

- 17. Log in to secure.darkwebid.com.
- 18. Click "Directory" next to the Organization you would like to associate with your Active Directory.



19. Enter the Tenant ID and Client ID from step 6 and the Client Secret from step 16.



#### Credentials -

Tenant Id \*

Active Directory Tenant Id

Client Id \*

Active Directory Client Id

Client Secret \*

Active Directory Client Secret

DISCARD CHANGES

SUBMIT ிற



20. Select which AD Group you would like to associate with your Organization and spot check the first 20 entries to confirm it is correct. Click Submit.

<b>DIRECTORIES</b>			
Credentials +			
Group Selection *			
All		•	
First 20 Users in this Group -			
FIRST NAME	LAST NAME		POSITION

21. If successful, you should receive a visual indicator on the Partner Dashboard next to that Organization. This Active Directory Group can now be used in BullPhish ID.





### **USING ACTIVE DIRECTORY IN BULLPHISH ID**

22. Navigate to BullPhish ID (Phishing or Training) and click on "Directories."



23. Select the Organization | Active Directory Group combination you would like to import.

# **IMPORT DIRECTORY**

#### Associated Organizations with Directory \*

ID Agent Org | All

Select the Organization's Directory you would like to import.



24. If you received any errors, you can make adjustments in your Azure Active Directory group to address, then re-sync within BullPhish ID by clicking "View" on a Directory, then "Sync."





25. Use the Active Directory Group to create a campaign! **The Active Directory Group will** automatically sync with Azure upon campaign creation before any campaign emails are sent.

Group *	
Accounting Engineering Marketing Sales	
Directory: ID Agent   BullPhish AD Group	

If you have questions or need further assistance, please contact your Partner Success Manager or email <a href="mailto:support@idagent.com">support@idagent.com</a>.

