Single Sign-On

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Many IT departments have configured some kind of Single Sign-On (SSO) for users to have a single set of credentials to access common applications. If you're looking to integrate DevResults more fully with your existing IT environment, you now have the option to integrate your SSO provider with DevResults to handle user credential authentication. We support SSO integration with Azure Active Directory, with Active Directory via OAuth2, and with Okta. This page will walk you through how DevResults-SSO integration works and provide instructions on how to set it up.

Jump to:

- User Administration
- SSO Integration Setup
 - Azure Active Directory Setup
 - Active Directory via OAuth2 Setup
 - Okta Setup
- Frequently Asked Questions

User Administration

DevResults offers two options for user account creation when using SSO:

- Option 1: A new user account must be created in DevResults before that user can log into DevResults using the SSO provider.
- Option 2: User accounts in DevResults are created when a new user logs into DevResults using the SSO provider.

To choose an option for your DevResults site, go to the **Administration > Settings** and click on your authentication provider.

Data	Program Info	Tools	Administration	Bookmarks	
Home 🕨	Administration	Settings			
Pro	gram S	ettin	gs		
					Single Sign-On
					Providers Configure authentication providers to enable single sign- on for users. Learn more

In the pop-up, make sure the **Allow new users?** option is unchecked for option 1. For option 2, make sure it is checked.

Authentication Provider					
Name	Azure AD SAML				
Authentication Provider	Azure Active Directory	~			
Allow new users?	Allow new users to be created by this provider				
Notification Email	Who should be notified when a new user is created from this provider? ex. joe@example.com				

For option 1, if someone tries to log in via SSO when they don't have an account, they'll see a message noting that they must be added to the DevResults site by an administrator before they can log in.



Note that the two accounts — SSO and DevResults — are linked but are independent. The **Login Mode** configuration determines whether or not password-based logins will still be allowed for some or any users once a SSO integration has been setup (see the following sections for instructions).

Single Sign-On	
Providers	Configure authentication providers to enable single sign-on for users. Learn more Azure AD SAML Add provider
Login Mode	Allow password-based login for all users Allow password-based login for all users
	Disable password-based login for users with a single sign-on account Require single sign-on for all users

- Allow password-based login for all users: any user can establish and use a password to log into DevResults.
- Disable password-based login for users with a single sign-on account any user with an active SSO account will be prevented from using a password-based login, but all other users (e.g. external partners, local staff, etc.) will still be able to log on using passwords.
- Require single sign-on for all users: password-based logins are fully disabled for all users; the SSO platform manages all access to DevResults for all users.

Please note that deleting or deactivating a user from Active Directory **does not** automatically delete or deactivate their account in DevResults. If they've only ever logged in using SSO, it will prevent them from logging in. However, if they ever established a DevResults password outside of SSO, they would still be able to access the site using that password. Therefore, we recommend still having a designated DevResults site administrator oversee permissions and account deactivation within DevResults.

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SSO Integration Setup

We support SSO integration with Azure Active Directory and with Active Directory via OAuth2. For both setups, the overall process is:

- Do some configuration and setup on your SSO provider side to gather the information you need.
- Enter some of that information in DevResults so it recognizes your SSO provider.

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Azure Active Directory

For Azure Active Directory, you will need to have a registered application within Azure Active Directory, and you'll need to know the Application ID and have a Key generated. We'll provide a quick outline of those steps here as a sample and then walk you through the DevResults side of the setup.

In the Azure Portal, click "Azure Active Directory" in the sidebar to the left.

Select App registrations. Click on New application registration in the right-hand pane:



Enter a **Name** that will help you to identify this as your DevResults SSO config later. Next, select the accounts types you'd like to have access to DevResults. Click Register. For your **Redirect URI**, choose "Web" and enter your DevResults home page URL. Then click **Register**.

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«	Home > DevResults - App registrations > Register an application
+ Create a resource	Register an application ×
🟫 Home	
🛄 Dashboard	* Name
i≡ All services	The user-facing display name for this application (this can be changed later).
🛨 🛧 FAVORITES	DerReults V
All resources	
🚱 Resource groups	Supported account types
🔕 App Services	Who can use this application or access this API7
Function Apps	Accounts in this organizational directory only (DevResults)
🗟 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)
Virtual machines	Haln ma chorse
🚸 Load balancers	Top in choice
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Virtual networks	Neuron Neurona to this reprove to this (18) shar successfully with an start sensition the user sensition to successfully with a start sensition the user sensition the user sensition the user sensition to the sensitive s
Azure Active Directory	optional and it can be changed later, but a value is required for most authentication scenarios.
🔭 Monitor	Web V https://testaccoundjdevvesults.com V
🔷 Advisor	
Security Center	
Ocst Management + Billing	
Help + support	
	By proceeding you agree to the Microsoft Platform Policies 1/2
	Register
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Once the application is created, click on it to open details. Copy the **Application ID**--you'll need this for the DevResults side of configuration.

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+ Create a resource	DevResults			\$ ×
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E All services	📣 Quickstart	Application (client) ID = 52fcd321-d51f-4beb-b83a-b13b99a1cc38	Redirect URIs : 1 web 0 public client	
- 🗙 FAVORITES	Manage	Directory (tenant) ID : 3408008c-3aea-4367-85c2-fceba2a0d632	Managed application in : DevResults	
III resources	Branding	Object ID : 062dc7a4-40ab-4b13-8bd3-3bb0424da4ab		
🜍 Resource groups			*	
🔇 App Services	Certificates & secrets		1	×
Function Apps	-> API permissions	Welcome to the new and improved App registrations. Looking to learn how it's changed from App reg	istrations (Legacy): Learn more	
🗃 SQL databases	Expose an API			
🬌 Azure Cosmos DB	Owners	Call APIs	Documentation	
Virtual machines	Manifest		Microsoft identity platform	
🔶 Load balancers			Authentication Ibraries	
Storage accounts	Support + Iroubleshooting	🗶 📃 💽 🛐 🖼 🧐	Microsoft Graph	
Virtual networks		Build more powerful apps with rich user and business data	Glossary Help and Support	
Azure Active Directory	New support request	from Microsoft services and your own company's data		
🕒 Monitor		View API Permissions		
🔷 Advisor				
📋 Security Center		Sign in users in 5 minutes		
O Cost Management + Billing				
Help + support		US 🖤 🥮 🚛 👾 🥨 🚛 🥮		
		Use our SDKs to sign in users and call APIs in a few steps		
		View all quickstart guides		
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Click Certificates & Secrets and then New Client Secret.

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i≡ All services	📣 Quickstart		
— 🛨 FAVORITES	Manage	Certificates	
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😵 Resource groups	Authentication	T Upload certificate	
🔇 App Services	Certificates & secrets	THUMBPRINT START DATE EXPIRES	
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O Cost Management + Billing			
Help + support			
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Enter DevResults-SSO (or something else useful) in the **Description**. Select a **Duration** consistent with your organization's security policies. Then click **Add**.

When you click **Save**, Azure will generate a Key in the Value. Copy that **Value**. (If you don't copy this, you'll need to regenerate it later to add it to DevResults.)

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We'll need to return to Azure Portal in a moment, but our next steps happen in the DevResults app. Now that there's an application in Azure Active Directory, we can set up the DevResults portion. In your DevResults site, go to **Administration > Settings**.

Example Organization DevResults			Quick search Q	\bigcirc Help (λ)
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https://leslie.devresults.com/en/administration/settings				🕀 Add Tile

In the **Single Sign-On** section, click the **Add provider** button.

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Identifier DEV-1122334455		

This will open the Authentication Provider pop-up. You'll need to complete these sections to configure the integration:

- Name: Provide a name for this SSO. We used Azure AD in our example. This label will appear to end-users on their login screen ("Use my {Name} account") so be sure it's something your users will understand!
- Authentication Provider: Currently DevResults supports Azure Active Directory and Active Directory via OAuth2. For this example, select Azure Active Directory.
- Default Group: When new users are created in DevResults from Active Directory, what group should they be added to by default? For our example, we used our standard Users group, but you can choose any existing group in your DevResults site.
- Notification Email: If you want anyone to be notified when a new DevResults user is created from Active Directory, enter their email address here. (Optional)
- Is Active?: You can uncheck this box if you don't want this provider to be currently used; otherwise, check the box to make sure it's going to be used.
- **Redirect Url:** This will autopopulate once you've completed the rest of the form. You'll need to copy this value we'll be adding to to Azure Active Directory in a moment.
- Provider Settings: Application ID: Paste in the Application ID we copied from Azure Portal earlier
- Provider Settings: Secret: Paste in the Key's Value from the last set of steps in the Azure Portal directions

Once these fields are filled out, click the **Save** button to save your configuration settings.

Authenticatio	on Provider	×
Name	Azure AD	
Authentication	Atura Activa Directory	
Provider	Active Directory	
Default Group	vinat group should new users created from this provider be assigned to? Viewers	
Notification Email	Who should be notified when a new user is created from this provider?	
	leslie@devresults.com, ritika@devresults.com	
Is Active?	Allow users to sign in with this provider	
Provider Sett	ings	
Redirect Uri	https://kate.devresults.com/api/oauth/4/validate	
Application ID	9db54d90-7b5c-4457-b66e-683919d2b6ee	
Secret	Z5sts/zi+Ydi0Zz2Ki2DmG8KZg0p7nP8sp193/HikbY=	
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Now, we'll need to return to Azure Active Directory. Click **Authentication**. Then add the value you copied from the Redirect URI field above. You can ignore the remainder of the Authentication page.

Microsoft Azure		🔎 Search resources, services, and docs >_ 💀 🗘 💿
	Home > DevResults - App registrations >	DevResults - Authentication
+ Create a resource	DevResults - Authentication	# ×
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Dashboard	Overview	Trade Vorgen Xinkorrie texebeleike A dorieznanti
i∃ All services	📣 Quickstart	Redirect URIs
🕂 🛧 FANORITES	Марала	The URIs that we will accept as destinations when returning authentication responses (tokens) after successfully authenticating users. Also referred to as reply URLs.
All resources	Reading	Learn more about adding support for web, mobile and desktop clients 🖸
🜍 Resource groups	Authentication	TYPE REDIRECT URI
🔇 App Services	Autrientication	Web V https://testaccount.devresults.com/spi/osulth/28/validate V 0
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🥫 SQL databases	API permissions	Web c.g. https://myapp.com/suith
🬌 Azure Cosmos DB	Copose an API	
💻 Virtual machines	Contract	Sugnested Bedirect UBIs for public clients (mobile deskton)
🚸 Load balancers	Mannest	If you are using the Microsoft Authentication Library (MSAL) or the Active Directory Authentication Library (ADAL) to
📑 Storage accounts	Support + Troubleshooting	build applications for desktop or mobile devices, you may select from the suggested Redirect URIs below or enter a custom redirect URI above. For more information, refer to the library documentation.
Virtual networks	X Troubleshooting	msal52fcd321-d51f-4beb-b83a-b13b90a1cc38;//auth (MSAL only)
Azure Active Directory	New support request	https://login.microsoftonline.com/common/oauth2/nativeclient
Monitor		http://togin.live.com/oauth20,desktop.arf (LiveSDK)
🔷 Advisor		
Security Center		Advanced settings
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Help + support		Logout URL 👔 Leg. https://myapp.com/logout
		Implicit grant
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		To enable the implicit grant flow, select the tokens you would like to be issued by the authorization endpoint:
		Access tokens
	1	

Now, click **API Permissions**. Then, click **Grant admin consent for DevResults**. (The text of this button may be different if you named the app something other than 'DevResults' in the initial configuration.)

Microsoft Azure		, <i>P</i> Search resources, services, and	docs		>_ ⊈ ¢ ² ⊗ ? ©	
«	Home > DevResults - App registrations >	DevResults - API permissions				
+ Create a resource	DevResults - API permissions					\$X
🛧 Home	«					
Dashboard	Overview	API permissions				
∃ All services	📣 Quickstart	Applications are authorized to use APIs by requesting perm	issions. These p	ermissions show up during the consent proce	ss where users are given the opportunity to	
🛨 🛧 FAVORITES	M	grant/deny access.				
All resources	manage	+ Add a permission				
📦 Resource groups	Branding	API / PERMISSIONS NAME	TYPE	DESCRIPTION	ADMIN CONSENT REQUIRED	
🔇 App Services	Authentication	 Microsoft Graph (1) 				
Function Apps	Y Certificates & secrets	UserRead	Delegated	Sign in and read user profile		
📕 SQL databases	API permissions	These are the permissions that this application requests sta	tically. You may	also request user consent-		
🦉 Azure Cosmos DB	Expose an API	able permissions dynamically through code. See best prac	ices for request	ing permissions		
Virtual machines	Owners					
🔶 Load balancers	Manifest	Grant consent	•			
Storage accounts	Support + Troubleshooting	As an administrator, you can grant consent on analf of all	users in this dire	ectory. Granting admin consent for all users		
Virtual networks	★ Troubleshooting	means that end users will not be shown a sent screen v	hen using the a	pplication.		
Azure Active Directory	2 New support request	Grant admin consent for DevResults				
Monitor						
今 Advisor						
Security Center						
0 Cost Management + Billing						
Help + support						
	4					

That's it! You've done everything you need to do in Azure. Back in DevResults, you'll see the provider appear on the DevResults Administration > Settings page. You can click to edit or delete it.

	 ✓ Form Library ✓ Multiple Funding Sources ✓ Multiple Results Frameworks ✓ Performance ✓ Photo Library
	Single Sign-On
	Configure authentic from providers to enable single sign-on for users. Learn more
	E Azure AD
	↔ Add provider
v	

With the SSO set up and enabled, your DevResults Login page will look slightly different. It will now show a "Log in with my _____ account" option as well as the regular login. Users can either use their DevResults username and password (if they already have one) or their SSO.

Welcome! Please log in.
Log in with my Active Directory account
OR
Email
Email
Password
Password
✓ Stay logged in on this computer
🗸 Log in
Trouble logging in?

The first time they log in using the Azure AD account, they'll be redirected to a Microsoft login screen where they'll need to enter their credentials for Active Directory.



Once they've entered credentials, they will need to grant DevResults permission to "sign you in and read your profile". This is only necessary the first time the user logs in using this method.

DevResults App publisher website: devresultsssotest.onmicrosoft.com
DevResults needs permission to: • Sign you in and read your profile You're signed in as: jtester@devresultsssotest.onmicrosoft.com Show details Accept Cancel

Once that's done, all future sign-ins using the Use my Azure AD account should just work. The page should now redirect to the DevResults site.

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Active Directory via OAuth2

Configuring an Active Directory authentication via OAuth2 is fairly similar to the Azure Active Directory setup, except the configuration on the AD side must be done via Powershell script. **Here**'s a good general set of instructions on how to do so. You'll need to specify the endpoint, a resource name, and the full Redirect URI.

Once these are set up, you can set up the DevResults portion. In your DevResults site, go to **Administration > Settings**.

Example Organization DevResults			Quick search Q	\bigcirc Help (λ)
Data Program Info Tools Administration Bookma	arks			
Main Page Donor Up, People Users	Program Overvie	w MultiMatrix	+ Add a dashboard	Manage Dashboards
Activity Groups	1-c # individuals	who have received agricu	ltural productivity or food s	# Activiti
n [] liss u add o o	Individuals	50.00	<u> </u>	
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In the **Single Sign-On** section, click the **Add provider** button.

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Document Storage Use standard storage provided by DevResults Use a Dropbox account Fisical Year	C Data Table Row Locking Sourcent Library Cournent Library Sourcent Library Month Library Multiple Funding Sources Multiple Funding Sources Prest Library Prest Library	
Calendar Year junuary 1 Add fincal year Add fincal year IATI Identifier (DD/,117733.4455	Single Sign-On Configure authentication providers to enable single sign-on for users. Learn more Add provider	
Identifier DEV-1122334455		

This will open the Authentication Provider pop-up. You'll need to complete these sections to configure the integration:

- Name: Provide a name for this SSO. We used OAuth2 in our example. This label will appear to end-users on their login screen ("Use my {Name} account") so be sure it's something your users will understand!
- Authentication Provider: Currently DevResults supports Azure Active Directory and Active Directory via OAuth2. For this example, select Active Directory via OAuth2.
- Default Group: When new users are created in DevResults from Active Directory, what group should they be added to by default? For our example, we used our standard Users group, but you can choose any existing group in your DevResults site.
- Notification Email: If you want anyone to be notified when a new DevResults user is created from Active Directory, enter their email address here. (Optional)
- Is Active?: You can uncheck this box if you don't want this provider to be currently used; otherwise, check the box to make sure it's going to be used.
- Provider Settings: Application ID: Paste in the Application ID you configured in your PowerShell script
- Provider Settings: Resource Name: Use the Resource Name you configured in your PowerShell script
- Provider Settings: Authorization Endpoint: Use the Endpoint you configured in your PowerShell script
- Token Endpoint: Use the token endpoint you configured in your PowerShell script

Authentica	tion Provider	¢
Nar	ne OAuth2	
Authenticati Provid	Active Directory via OAuth2	ł
Default Gro	What group should new users created from this provider be assigned to?	ıd
Notification Em	all Who should be notified when a new user is created from this provider? ex. joe@example.com	nia
Is Activ	e? ☑ Allow users to sign in with this provider	ite
Application	ID ID that will be used to identify DevResults with your provider	ite
Resource Nar	ne ex. DevResults	
Authorizati Endpo	ex. https://example.com/oauth2/authorize	is ol
Token Endpo	nt ex. https://example.com/oauth2/token	,u (A :h
O Cancel	✓ Add	ій se

Once these fields are filled out, click the **Add** button to save your configuration settings.

Name	OAuth2
	ON GITZ
Authentication Provider	Active Directory via OAuth2
Default Group	What group should new users created from this provider be assigned to?
	Users v
Notification Email	Who should be notified when a new user is created from this provider?
	ex. joe@example.com
Is Active?	Allow users to sign in with this provider
Is Active? Provider Sett	Allow users to sign in with this provider ings
Is Active? Provider Sett Application ID	Allow users to sign in with this provider ings 11293875aodmu395
Is Active? Provider Sett Application ID Resource Name	 Allow users to sign in with this provider ings 11293875aodmu395 DevResults
Is Active? Provider Sett Application ID Resource Name Authorization Endpoint	Allow users to sign in with this provider ings 11293875aodmu395 DevResults https://kate.com/adfs/oauth2/authorize

Once it's added, you'll see the provider appear on the DevResults Administration / Settings page. You can click to edit or delete it.



With the SSO set up and enabled, your DevResults Login page will look slightly different. It will now show a "Log in with my _____ account" option as well as the regular login. Users can either use their DevResults username and password (if they already have one) or their SSO.

Welcome! Please log in.
Log in with my OAuth2 account
OR
Email
Email
Password
Password
✓ Stay logged in on this computer
🗸 Log in
Trouble logging in? Preset password

The first time they log in using the OAuth2 account, they'll be redirected to page based on your OAuth2 settings to enter credentials and grant DevResults access.

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Okta Setup

DevResults can be integrated with your existing Okta environment in just a few easy steps. The first part of this process is also documented in **Okta's developer documentation**, replicated here for your convenience.

1. Sign into your Okta Admin Console and go to **Applications->Applications** (from the left hand side menu) and click on **Create App Integration**.

Dashboard	~	≡ okta	
Directory	~	Q Search	
Applications	^		
Applications		Create App Integration Browse App Catalog	Assign Users to App
Self Service		Q Search	
Security	~		
Workflow	~	STATUS	Okta Admin Console
WORKNOW		ACTIVE 0	
Reports	~	INACTIVE 0	Okta Browser Plugin
Settings	~		Okta Dashboard

2. Select either **ODIC - OpenID Connect** or **SAML 2.0** as the sign-in method and **Web Application** as the application type, then click **Next**.



3. If this is an OIDC connectionn, specify the **App integration name** (e.g. DevResults), upload the DevResults logo (optional), leave the **Grant type** set to **Authorization Code**, and click **Save**. Later, you'll need to revise the **Sign-in redirect URI**, but you'll have to finish the next step in DevResults before you'll be able to change these fields.

🛱 New Web App Integratio	on
General Settings	
App integration name	DevResults
Logo (Optional) 🕢	DevResults
Grant type Learn More 🖸	Client acting on behalf of itself Client Credentials Client acting on behalf of a user Authorization Code Refresh Token Implicit (hybrid)
Sign-in redirect URIs Okta sends the authentication response and ID token for the user's sign-in request to these URIs Learn More 🖸	http://localhost:8080/authorization-code/callback × + Add URI Sign-in redirect URIs

Note: if you have already established access groups, you can **limit access to select groups** at the bottom of this page. If not, you can **allow everyone in your organization to access**DevResults via Okta SSO.

Assignments				
Controlled access Select whether to assign the app integration to everyone in your org, only selected group(s), or skip assignment until after app creation.	0	Allow everyone in your organization to access Limit access to selected groups Skip group assignment for now		
			Roug	Cancel

If you're connecting using SAML 2.0:

- Okta's Single Sign-On URL -> DevResults Redirect URI
- Okta's Audience URI -> https://{your instance subdomain}. devresults.com/saml-sp

Add an Attribute Statement with Name "DevResultsEmail" and Value "user.email" and a second Attribute Statement with Name "DevResultsFullName" and Value String.join(" ", user.firstName, user.lastName) as below. Be careful, these are case sensitive!

ATTRIBUTE STATEMENTS	5	
Name	Name Format	Value
DevResultsEmail	Unspecified	user.email
DevResultsFullName	Unspecified	String.join(" ", user.firstName, user.lastName)

4. In DevResults, go to Administration > Settings. In the Single Sign-On section, click the Add provider button.

Data Program Info Tools	Administration Bookmarks	
Home Administration Settings	People Users Groups	
Fiscal Year Fiscal Year Starts on Oct ↑ Add fiscal year	2 Settings Partner Roles 2 Settings Sectors Status Options Custom Fields Notifications API keys Financial Mechanisms Budget Categories Exchange Rates Funding Sources	Document cuorary Form Library In Ti In Ti Configure authentication providers to enable single sign-on for users. Learn more Add provider
DevResults		✓ Done

5. In the following screen, select **Okta** as the **Authentication Provider** and fill out the other fields accordingly. If connecting using ODIC, you'll need to get the following fields from Okta (after saving your configuration in step 3 above) to fill in the **Provider Settings** section:

- Okta's Client ID -> DevResults Application ID
- Okta's Client secret -> DevResults Secret
- Okta domain -> Authorization Endpoint, in the format https://{Okta domain goes here}/oauth2, e.g. https://oktaserver/oauth2.

If using SAML 2.0:

- Okta's Single Sign-On URL -> DevResults Authorization Endpoint
- Okta's Entity ID -> DevResults Application ID
- Okta's X.509 Certificate -> DevResults Secret (NOTE: include ----BEGIN CERTIFICATE----- and -----END CERTIFICATE-----)
- Default RelayState to any string value you want, just remember to add it to Okta's Default Relay State

Once every field is populated, click **Add**.

Authenticatio	on Provider	×
Name		
Authentication Provider	Okta	~
	What group should new years graated from this provider he period to 2	
Default Group	Viewers	~
Notification Email	owner@devresultsdemo.com	
Is Active?	Allow users to log in with this provider	
Provider S	settings	
Application ID	ID that will be used to identify DevResults with your provider	
Secret	Secret or private key for the authentication provider	
Authorization Endpoint	ex. https://example.com/oauth2/authorize	
P. C. H. P. L. C. L.		
Default RelayState	ex. RandomString12345	
Ø Cancel		✔ Add

6. You should see a new authentication provider, with the name you provided in the previous step (e.g. Okta SSO). Click this button and copy the **Redirect URI** that has been created.

Data Program Info Tools Adm	Authenticatio	n Provider	×	
Home 🖻 Administration 🖻 Settings				
Program Settings	Name	Okta SSO		
upload a png file with a white or transparent	Authentication Provider	Okta	~	
background with solid colors or di	Default Group	What group should new users created from this provider be assigned to? Viewers	~	_
Document Storage	Notification Email	Who should be notified when a new user is created from this provider? owner@devresultsdemo.com		is program.
Storage Provider DevResults Change	Is Active?	Allow users to log in with this provider		
Nage"	Provider Sett	ings		
Fiscal Year	Redirect Uri	https://		
Fiscal Year Starts on October 1 Add fiscal year	Application ID	ID that will be used to identify DevResults with your provider		
	Secret	Secret or private key for the authentication provider		
	Authorization Endpoint	ex. https://example.com/oauth2/authorize		
	⊘ Cancel	1 Delete		
		Single Sign-On		
		Configure authentication providers to ena	ole single	sign-on for users. Learn more
		🗘 Okta SSO		
		Disable password-based login for user	s with a si	ingle sign-on account?
DevResults				✔ Done

7. Back in Okta, click on **Edit** in the **General Settings** box and paste the Redirect URI from DevResults into the **Sign-in redirect URI** field. In the **Sign-out redirect URI** field, paste the same text but take off everything after devresults.com (in otherwords, just include the root domain).

Sign-in redirect URIs 🛛 😰	https://devresults.com/api/oauth/2/validate
	+ Add URI
Sign-out redirect URIs 🛛 🕲	https://
	+ Add URI
Login initiated by	App Only *
Initiate login URI 👔	

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Frequently Asked Questions

How can I tell if I'm using a DevResults account or their Active Directory Account?

A user can tell if their DevResults account is related to an Active Directory account in their Profile details. Click on your profile picture in the upper right and select **Edit Profile**. The Connected Accounts section will have an entry if you're using Active Directory:

\leftarrow \rightarrow C' \triangleq Secure https://kate.devresults.com/	en/contactform/21776	
DevResults Kate's World Kate's Test Site		
Dashboard Activities Results Calendar D	ocuments Photos Administ	ration
Edit Profile		
Photo	Contact Details	
1000	Contact Details	
	Name	Tahunu Torter
📑 Upload photo		
or drag and drop your file here	Job title	
	Department	
	Department	
	Email	jtester@devresultsssotest.onmicrosoft.com
	Work Phone	
	Des 6	
	Fieleiences	
	Password	Vou do not have a password.
	Email Notifications	Notify me via email
		whenever there is an update once ner day
		i once per week
		l never
	Additional Communications	I would like to get advance notice of major new features You will receive email notifications about new features before they are released.
		I would like to be a beta tester
		before they are released, access to a trial environment, and instructions on how to test and provide feedback on the features.
	Available Accounts	Connected Accounts
	There aren't any externa	al accounts currently available to X Disconnect from Azure AD
	which your user accoun	t can be connected.

You can disconnect this relationship by clicking the **Disconnect from...** button here.

If you're a site administrator and you'd like to be able to see a list of users and whether they're using a connected SSO account or not, let us know--we'll be happy to **create a custom query** that meets your needs.

I already had a DevResults user account before we added SSO. Can I link those accounts somehow?

Individual users can link their DevResults account to an Active Directory account, provided the email addressees are the same.

Click on your profile picture in the upper right and select **Edit Profile**.

If you don't currently have an Active Directory account linked to your DevResults account, you'll have nothing in the **Connected Accounts** section and the **Available Accounts** section will have a **Connect to {Name}** button.

\leftarrow \rightarrow C \triangleq Secure https://kate.devresults.com/	en/contactform/21776		
DevResults Kate's World			
Kales lest sile			
Dashboard Activities Results Calendar E	ocuments Photos Administr	ration	
Edit Profile			
Photo	Contact Details		
	Name		
		Johnny	Tester
or drag and drop your file here			
in or and and anopyour memore	Job title		
	Department		
	Email	jtester@devresultsssotest.onmicrosoft.com	
	Work Phone		
	Preferences		
	Password	X You do not have a password.	Change password
	Frank Martifications		· • • •
	email worthcations	whenever there is an update	
		once per day once per veek	
		never	
	Additional Communications	I would like to get advance notice of major new feat You will receive email notifications about new features I	ures before they are released.
		I would like to be a beta tester	
		Beta testers provide feedback on new features in the fir before they are released, access to a trial environment,	nal stages of development. You will receive email notifications about new features and instructions on how to test and provide feedback on the features.
	Available Accounts		Connected Accounts
	Connect to Azure AL	0	There are no accounts connected to your user account at
			this time.

Clicking that button will take you to the Microsoft login screen where you can enter their Active Directory credentials and grant DevResults permission to use them. Once you've done this, moving forward you'll click the **Use my {SSO}** account when you go to log into DevResults.

Microsoft Azure	${\cal P}$ Search resources, services, and docs	>_ ti⊋ ti ² ⊗ ? ⊕ nancy@devresults.com
«	Home > DevResults - App registrations > Register an application	
+ Create a resource	Register an application	×
🛧 Home		
Dashboard	* Name	
i≡ All services	The user-facing display name for this application (this can be changed later).	
🔶 🛨 FAVORITES	DevResults 🗸	
All resources		
💱 Resource groups	Supported account types	
🔇 App Services	Who can use this application or access this API?	
Inction Apps	Accounts in this organizational directory only (DevResults)	
📓 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)	
🛄 Virtual machines	The weather a	
🚸 Load balancers	rep ne chose	
Storage accounts	Dedicat UDI (autoral)	
Virtual networks	Netlinetti oni (optional)	
Azure Active Directory	optional and it can be changed later, but a value is required for most authentication gree user. Providing this now is	
😁 Monitor	Web V https://testaccountidevresults.com V	
🔷 Advisor		
🟮 Security Center		
Ocst Management + Billing		
Help + support		
	By proceeding, you agree to the Microsoft Platform Policies 🗵	
	Bullet	
	Keginter	
	•	P

How do I configure my SSO on the training site after it has been refreshed with data from my live site?

Our **training site refresh** entails taking a copy of your live DevResults site every month and overwriting the training site with this copy. **This includes all SSO configurations**. There are a few different options for ensuring that the training site remains properly configured with your SSO after the refresh:

 Manually updating the redirect URI in your SSO application once a new one has been generated on the DevResults training site.

Depending on your SSO protocol, you could automate this process by either:

• Configuring two single-sign on providers on the live DevResults site, one for the live site and one for the training

site.

• Set this up exactly the same as the instructions above, just make sure to clearly label which authentication provider is for your training site, and which one is for your live site.

Authenticati	on Provider	×
Name	Okta SAML - Training	٦
Authentication	Okta	
Provider		
Allow new users?	Allow new users to be created by this provider	
Default Group	What group should new users created from this provider be assigned to? Contributors	·
Notification Email	Who should be notified when a new user is created from this provider?	
	ex. joe@example.com	
Is Active?	Allow users to log in with this provider	
Redirect URI	https:	
Application ID		
Secret		
Authorization		
Endpoint		
Default RelayState	F	
⊘ Cancel	💼 Delete 🗸	Save

- Update the Redirect URI in your SSO application with the URI generated by the new authentication provider.
- The system will then automatically carry over this new configuration to the training site once the training site is refreshed, and you should be able to log on without needing to reconfigure things on your end every month.
- Users will see two log in options on both sites, and can click on the button associated with the site they want to log in on.

Log in v	ith my Log in to Training Site account
Log in with	my Log into Live DevResults Site account
	OR
mail	
Email	
assword	
Password	
Stay logged in on this	omputer
	🗸 Log in
	Trouble logging in? 🛛 🖊 Reset passwor

- **NOTE:** We highly recommend setting this up right before the first Friday of a month to ensure users can log into both live and training sites seamlessly.
- If your SSO provider allows you to do so, you only need to provide your SSO application with two "Sign-in redirect URIs," one that has <your-site>.devresults.com as the host and one that has <your-site>.training-devresults.com as the host. The protocol and path should be the same for both.
- If you'd like to have different groups of people have access to training and live sites, use a separate SSO provider/application, or just have different settings between training and production, the solution is a bit more complicated. One solution would be to use the DevResults API to re-create the login settings on the training site after the refresh completes. The general idea is as follows:
 - Create an API Key with Owner permissions on the production site (this way it is always present in training after the refresh)
 - After the training refresh, use the API key to delete the live site login and re-create the training site login
 - On the SSO provider side, you can either use a wildcard in the "Sign-in redirect URI" to handle the fact that the number path may change over time, or you can update the SSO app with the correct URI after creating the settings on the DevResults side.

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Didn't answer your question? Please email us athelp@devresults.com.

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