



90DaysOfDevOps

I'm speaking at #90DaysOfDevOps - 2024
Community Edition

Connect to Microsoft APIs in Azure DevOps Pipelines using Workload Identity Federation



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What is Workload Identity Federation?



ENTRA ID

Access to **Microsoft Entra ID** Protected Resources.



NO SECRETS

No need for handling **secrets** in connections.



OIDC

Based on **OpenID Connect**, can be used for any third party Idp.



APP REGISTRATION or MANAGED IDENTITY

Can be configured on an **App Registration** or an **User-Assigned Managed Identity**.

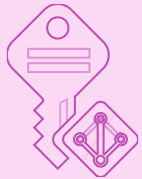


What are Service Connections in Azure DevOps?



PIPELINES

Connect to **Resources** in Pipelines.



WORKLOAD IDENTITY FEDERATION

Can use **Workload Identity Federation** to **Azure Resource Manager** connections.



ACCESS

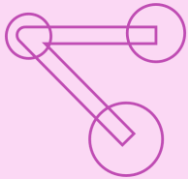
Access any **Entra ID Protected** API.



About APIs Protected by Entra ID



AZURE RESOURCE MANAGER
ARM REST API.



MICROSOFT GRAPH
Microsoft 365, Microsoft **Entra**, **Intune** and more resources in the Microsoft **Graph API**.



OTHER MICROSOFT SERVICES
Other Microsoft Service APIs like KeyVault and more.



CUSTOM API
Your own custom API built and protected with integration of Entra ID.