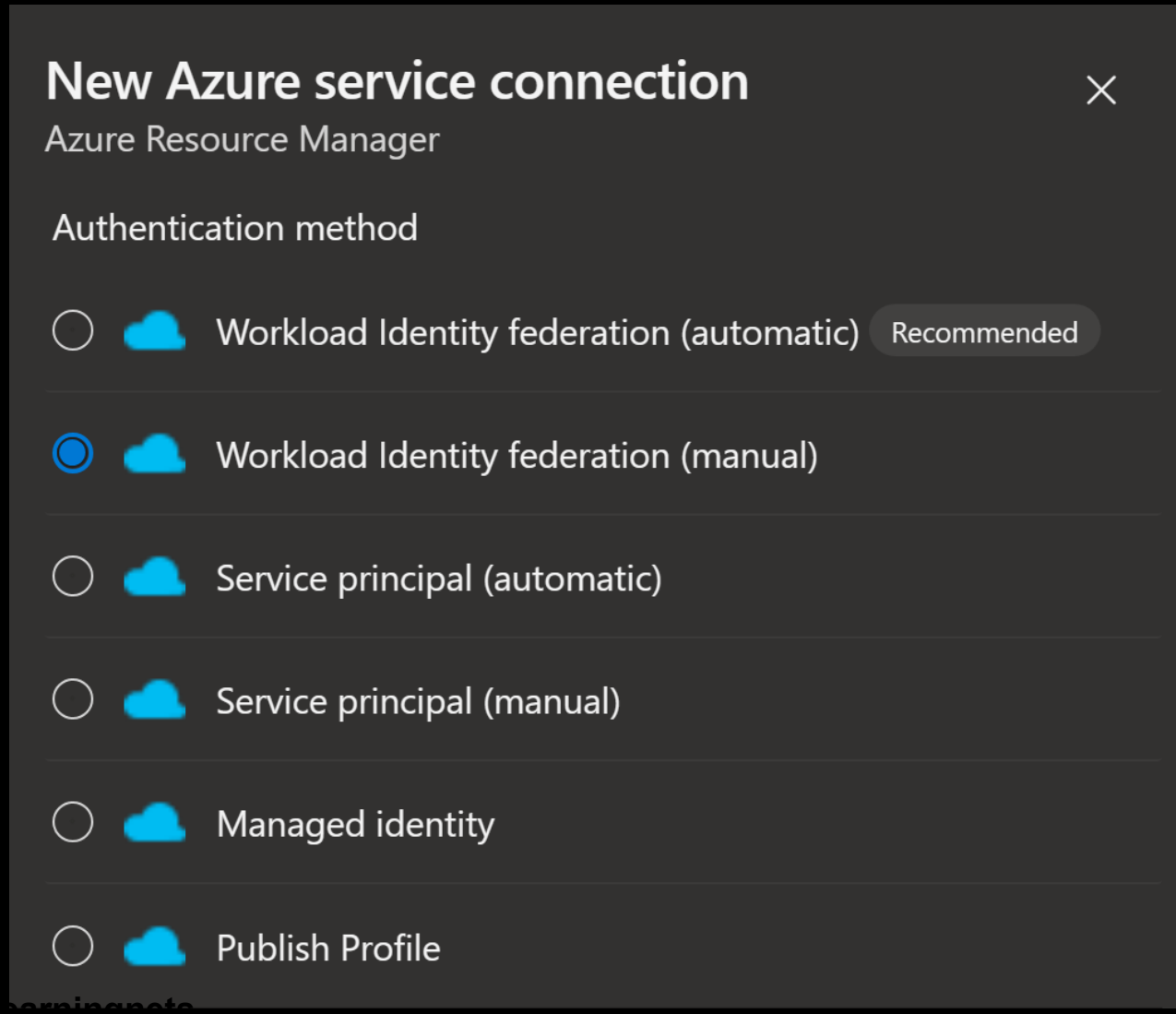
Azure DevOps & Workload Identity (OIDC)

Connect securely to Azure services through Managed Identity or Service Principal without managing a password.

Passwordless authentication.

No need to save Service Principal password.

Works also on self hosted build agents where Managed Identity could noy be attached.



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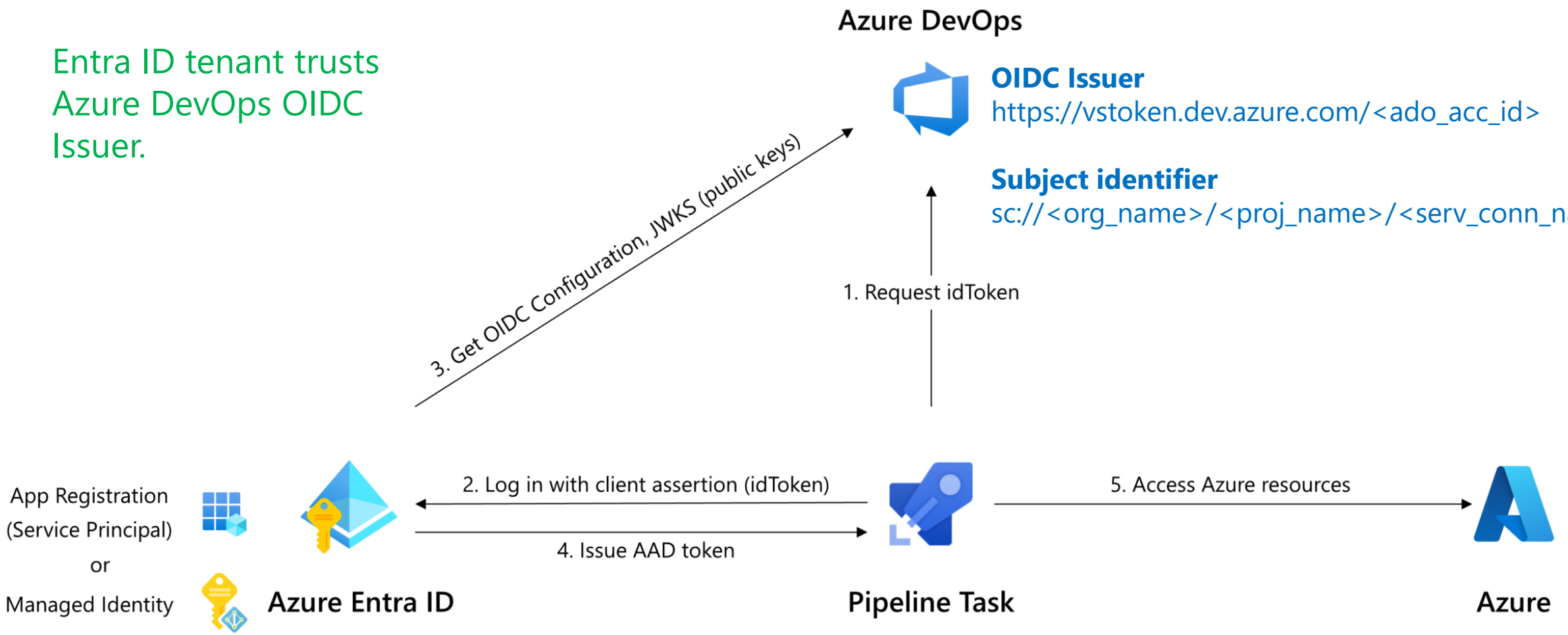
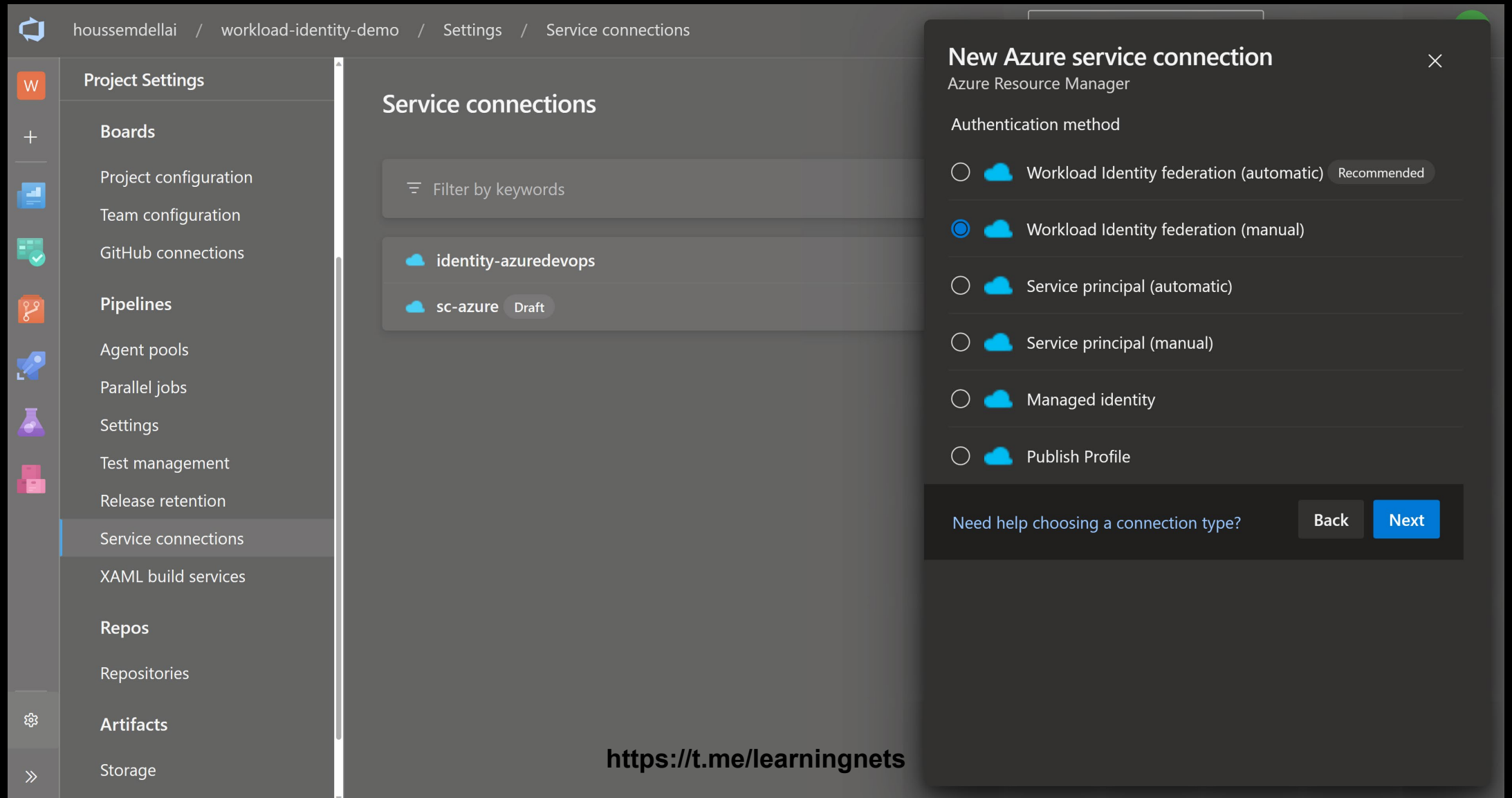
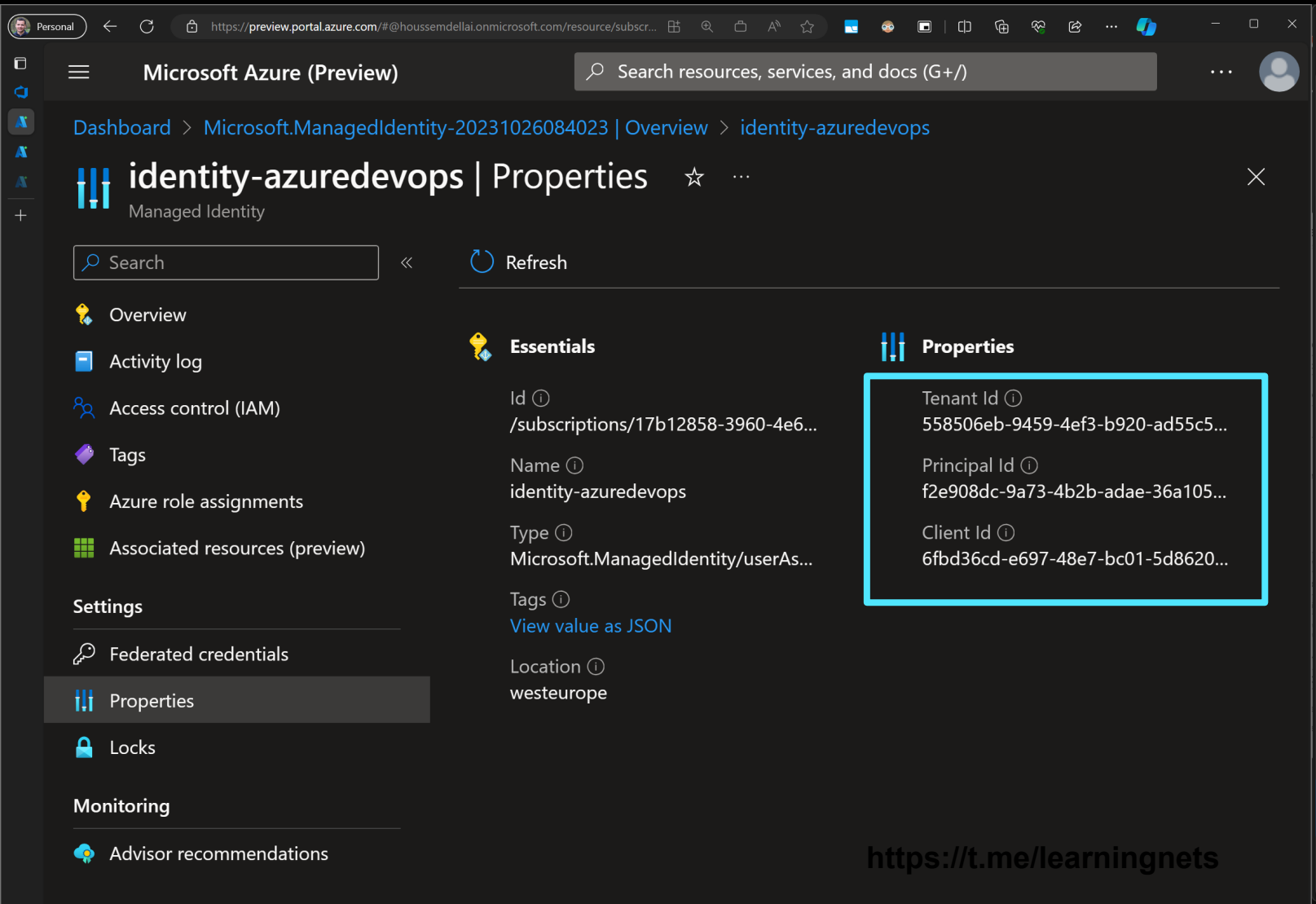
Entra ID tenant trusts Azure DevOps OIDC Issuer.

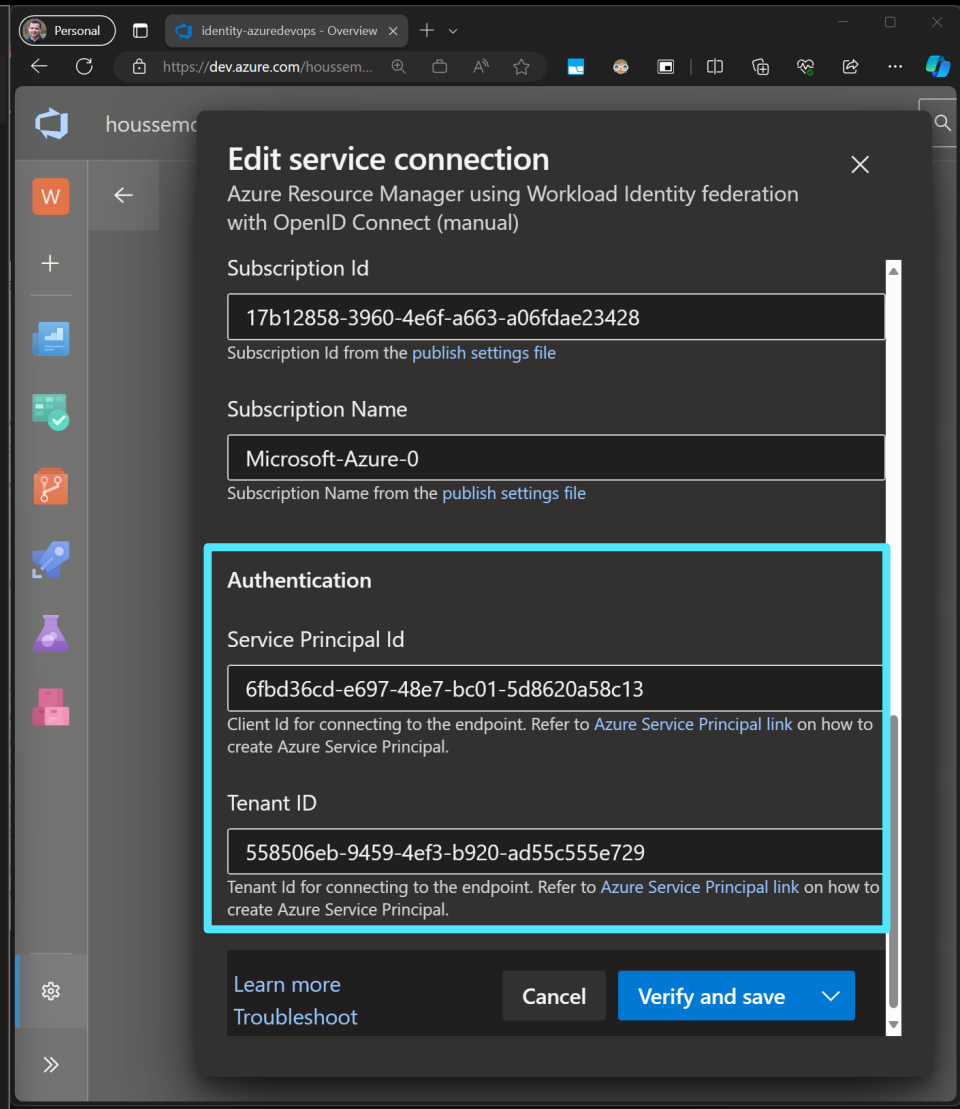


Configuring Workload Identity (OIDC)

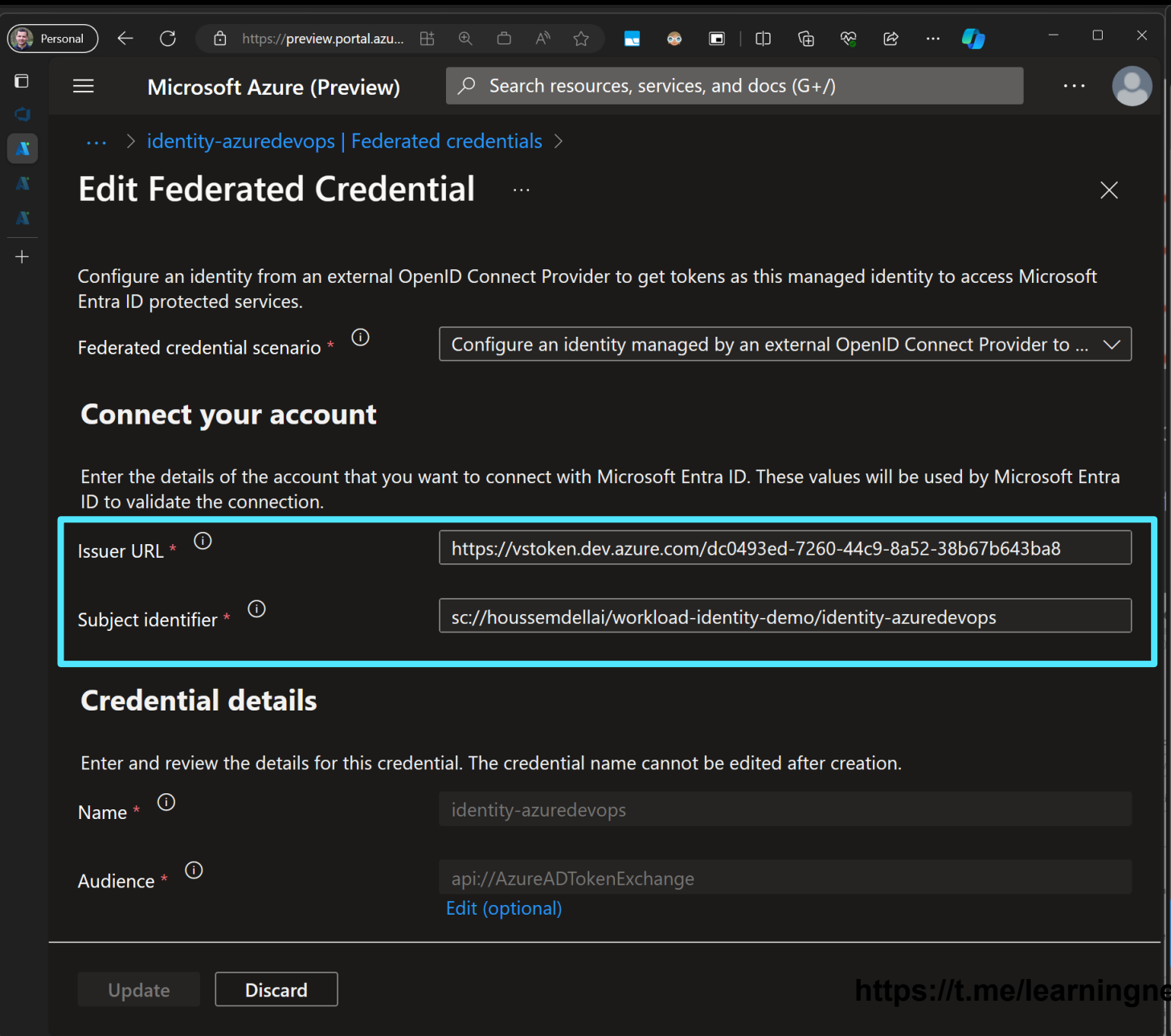


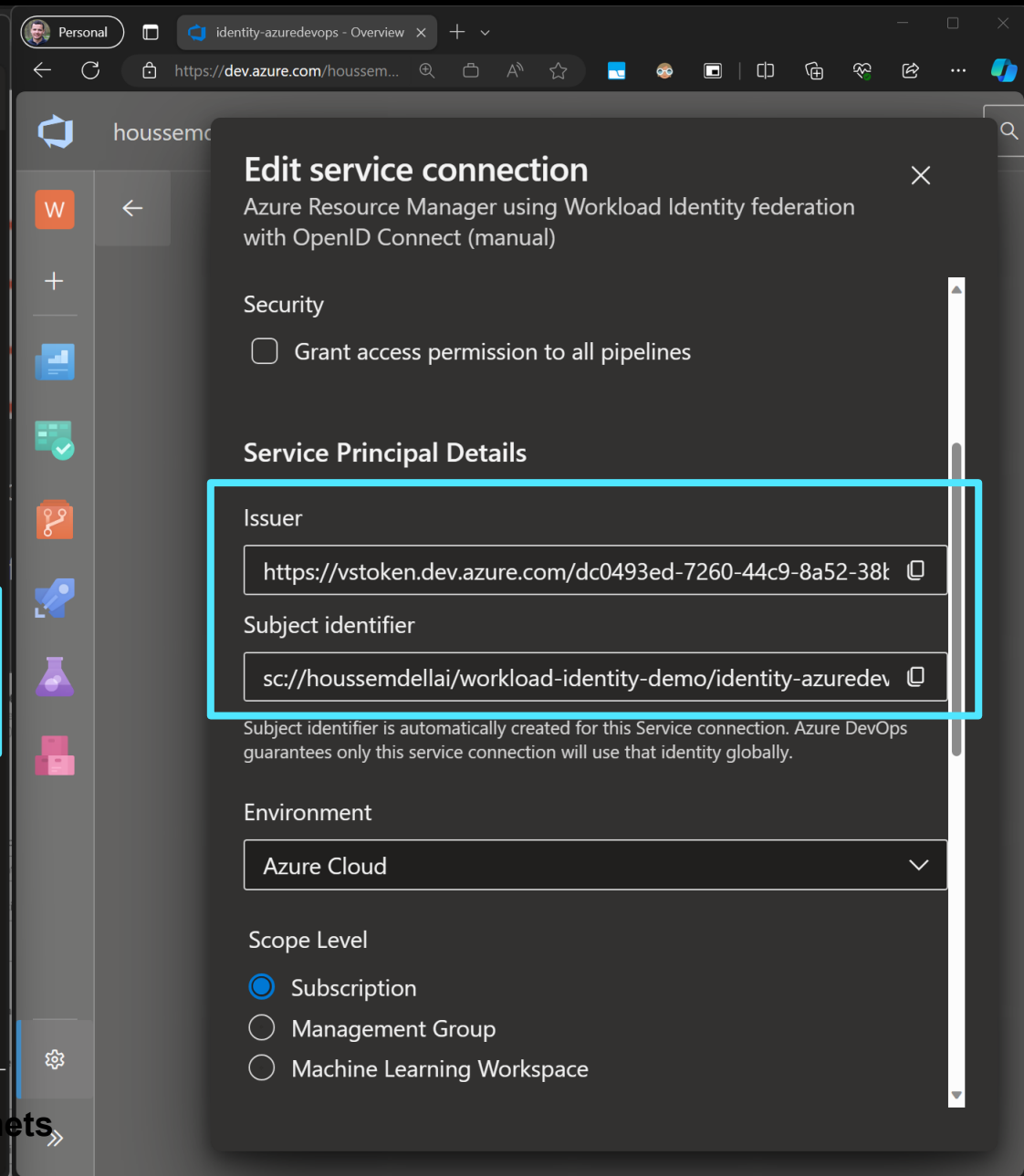
Configuring Workload Identity (OIDC)





Configuring Workload Identity (OIDC)





Using Workload Identity (OIDC) in pipeline

main workload-identity-demo / azure-pipelines.yml *

```yaml
trigger:
- main

pool:
  vmImage: ubuntu-latest

steps:

Settings
- task: AzureCLI@2
  inputs:
    azureSubscription: 'identity-azuredevops'
    scriptType: 'bash'
    scriptLocation: 'inlineScript'
    inlineScript: 'az group create -n rg-demo -l westeurope'

```


Azure CLI

Azure Resource Manager connection *

identity-azuredevops

Script Type *

Shell

Script Location *

Inline script

Inline Script *

az group create -n rg-demo -l westeurope

Script Arguments

Advanced

Workload Identity in pipeline for Terraform

```yaml
- task: AzureCLI@2
  inputs:
    addSpnToEnvironment: true
    azureSubscription: 'my-azure-service-connection'
    scriptType: bash
    scriptLocation: inlineScript
    inlineScript: |
      # Inherit Azure CLI service connection
      export ARM_CLIENT_ID=$servicePrincipalId
      export ARM_OIDC_TOKEN=$idToken
      export ARM_TENANT_ID=$tenantId
      export ARM_SUBSCRIPTION_ID=$(az account show --query id -o tsv)
      export ARM_USE_OIDC=true

      terraform init
      terraform apply -auto-approve
```

devblogs.microsoft.com/devops/public-preview-of-workload-identity-federation-for-azure-pipelines/