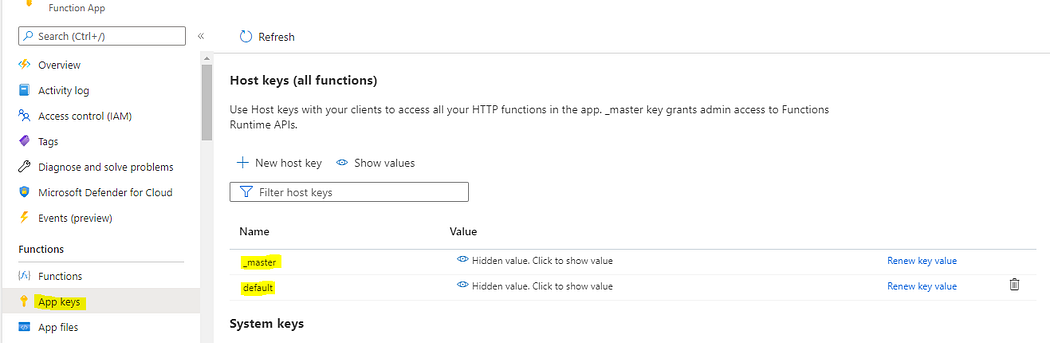
<https://medium.com/@anandamit1807/securing-azure-functions-part-i-b75ed3550a47>

<https://aztoso.com/functions/keys/>

<https://www.youtube.com/watch?v=xom3aSOb-rA>

1. Using API key



**Usage of keys in Azure Functions**[**Permalink**](https://aztoso.com/functions/keys/#usage-of-keys-in-azure-functions)

Azure Functions offer three levels of authorization:

* anonymous: no key is required
* function: a function-specific or a host key is required
* admin: the master key is required

**Usage of keys in Azure Functions**[**Permalink**](https://aztoso.com/functions/keys/#usage-of-keys-in-azure-functions)

Azure Functions offer three levels of authorization:

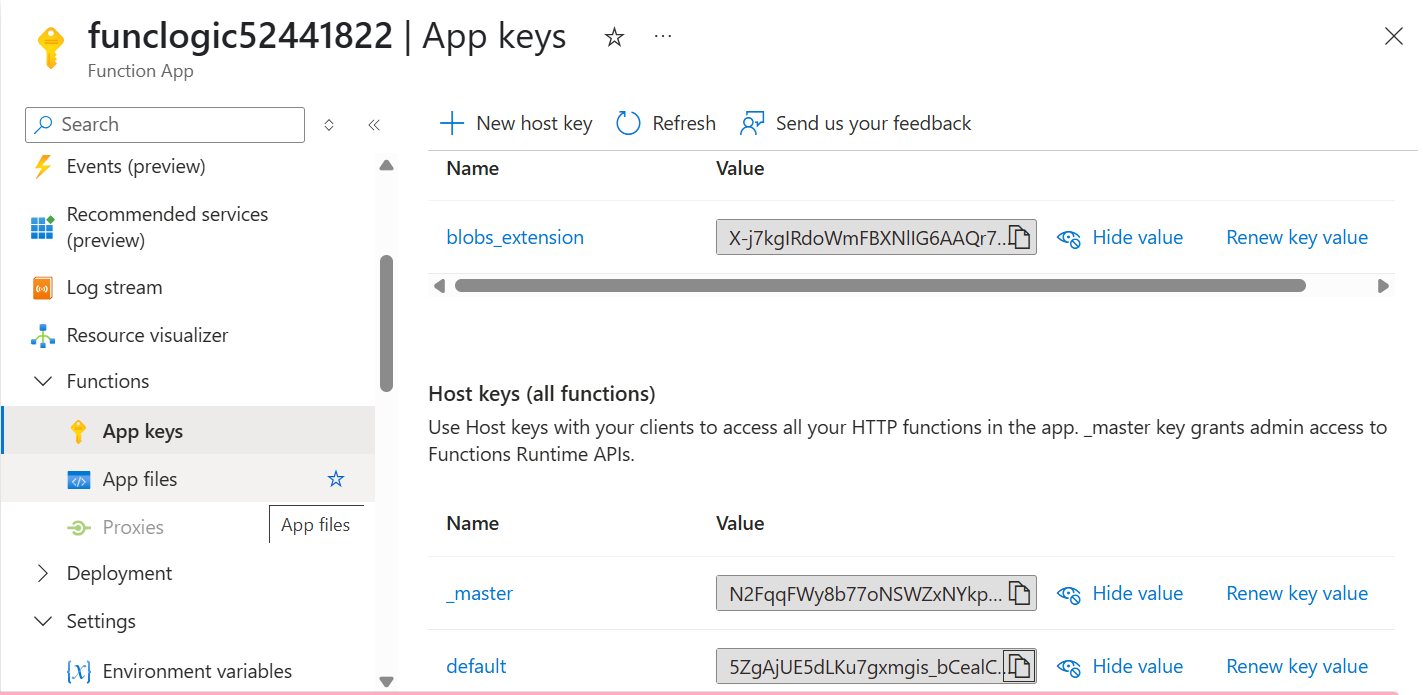
* anonymous: no key is required
* function: a function-specific or a host key is required
* admin: the master key is required

Function access keys are the simple way to protect an Azure Function from unauthorized access. You can provide the access key in the *code* query parameter or in the *x-functions-key* HTTP header when accessing a function. There are two access scopes for function-level keys:

* function: these keys apply only to the specific functions under which they are defined
* host: keys with a host scope can be used to access all functions within the function app

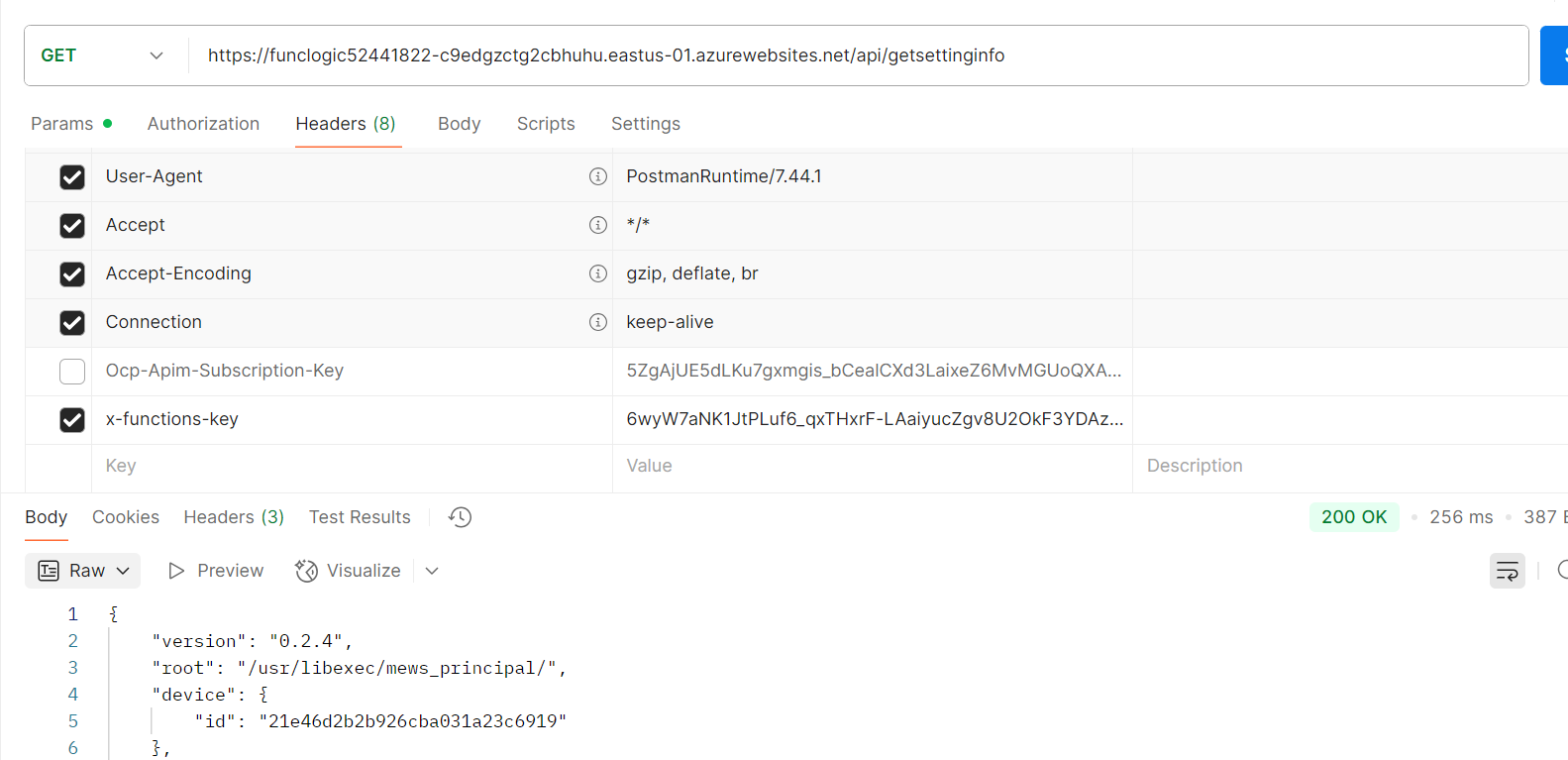
1. Managed Identity (use when a azure deployed app accesses the function)
2. Azure AD🡪EntraId

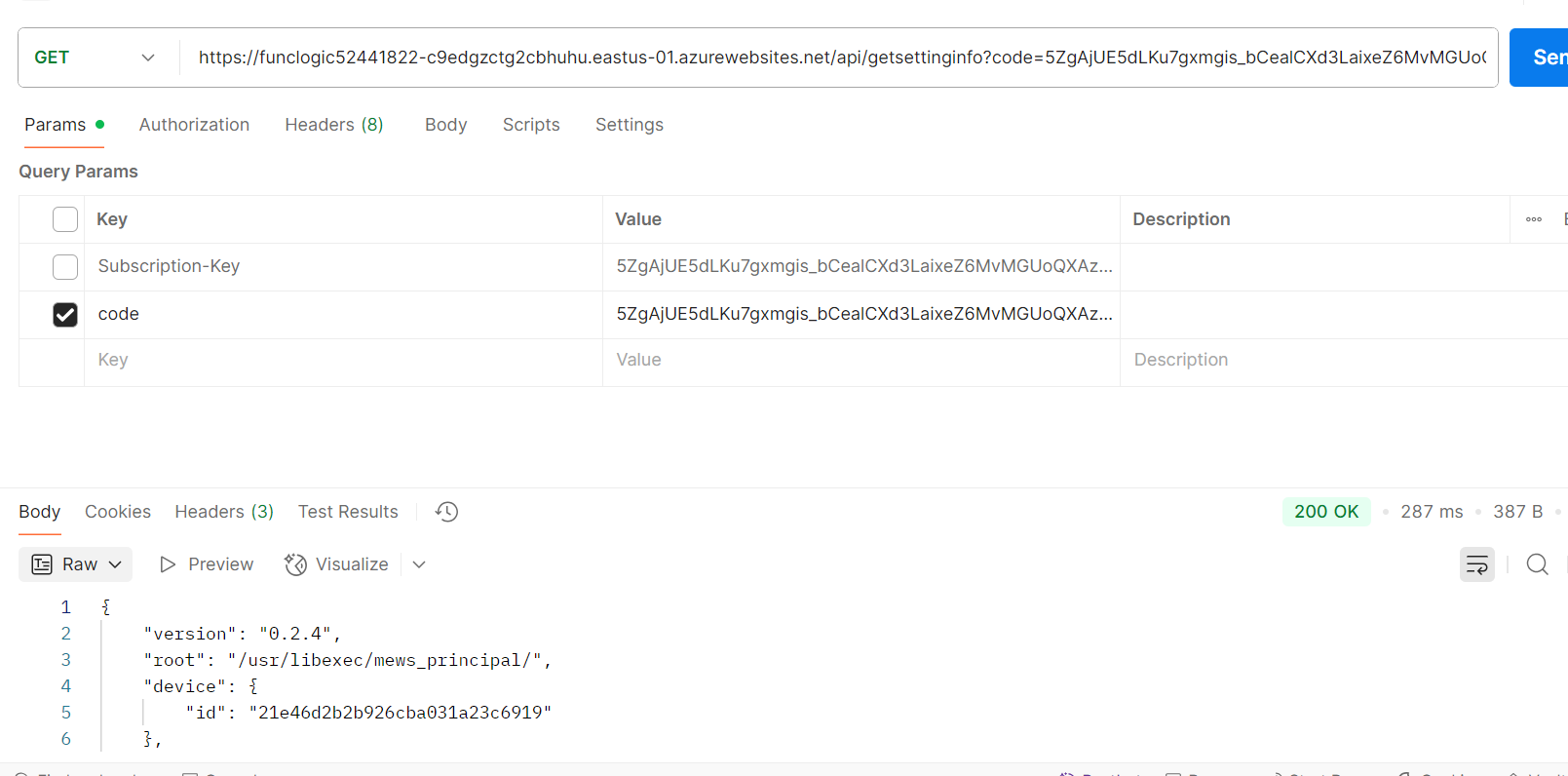
x-functions-key - FK2DXgkU3qrrUx166Rz1wOW2zf4EOSS4tSqU28nCPfw2AzFubRFrDQ==

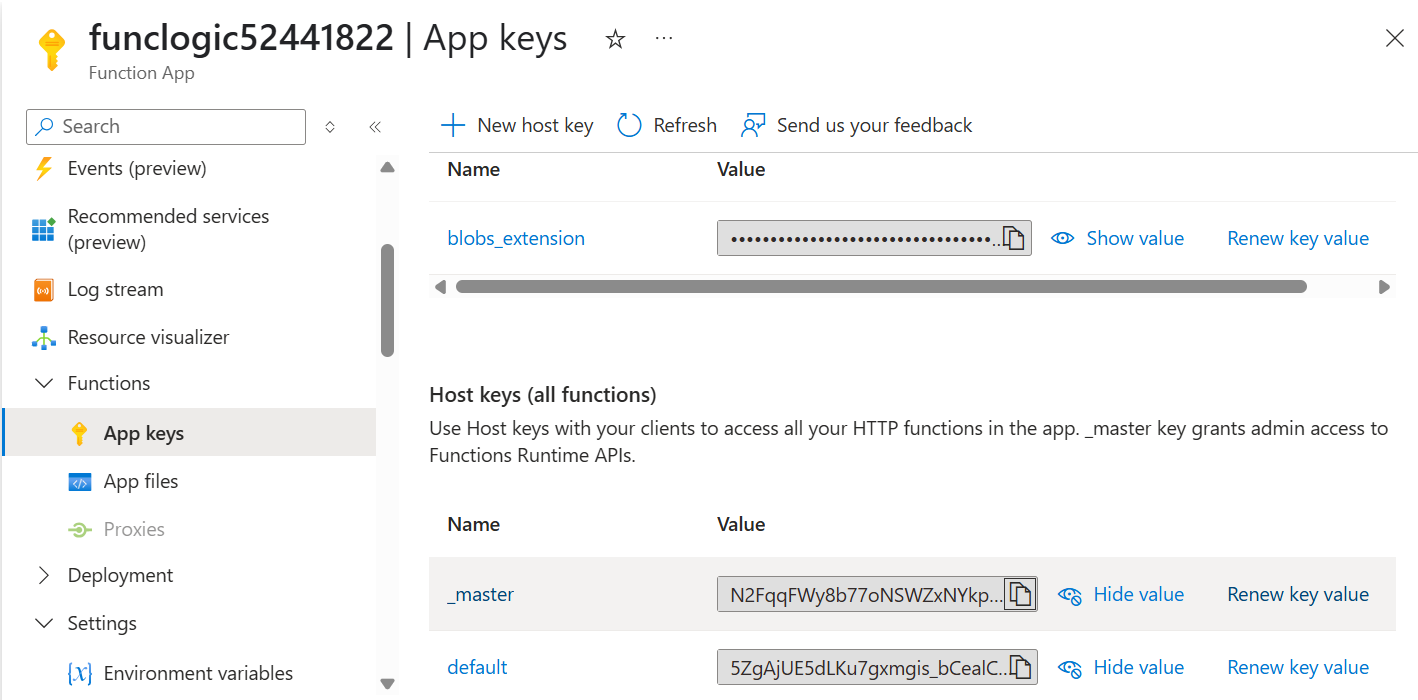


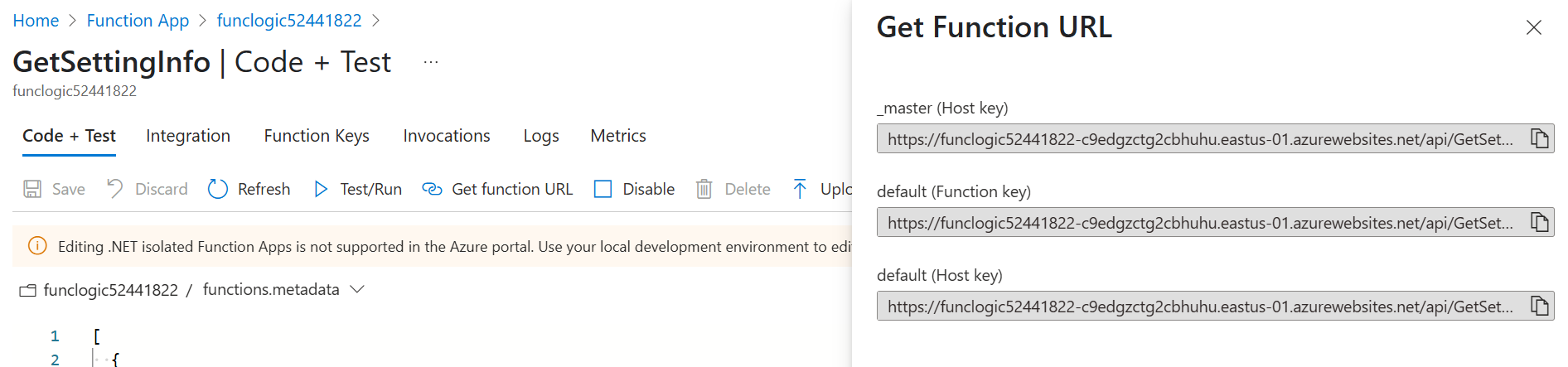
<https://funclogic52441822-c9edgzctg2cbhuhu.eastus-01.azurewebsites.net/api/GetSettingInfo?code=6wyW7aNK1JtPLuf6_qxTHxrF-LAaiyucZgv8U2OkF3YDAzFuJS7-gQ==>

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\_master host key

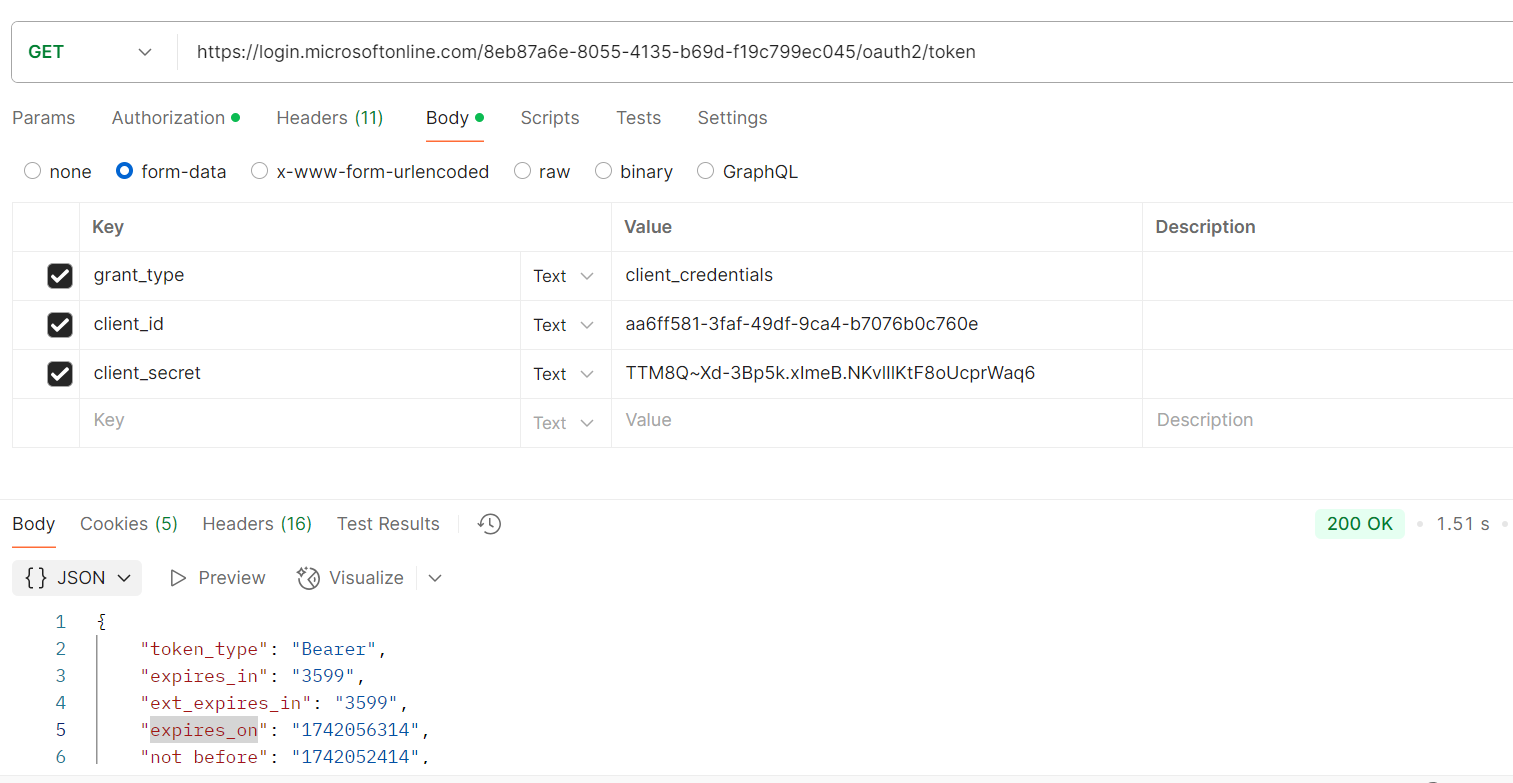
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default(function key)

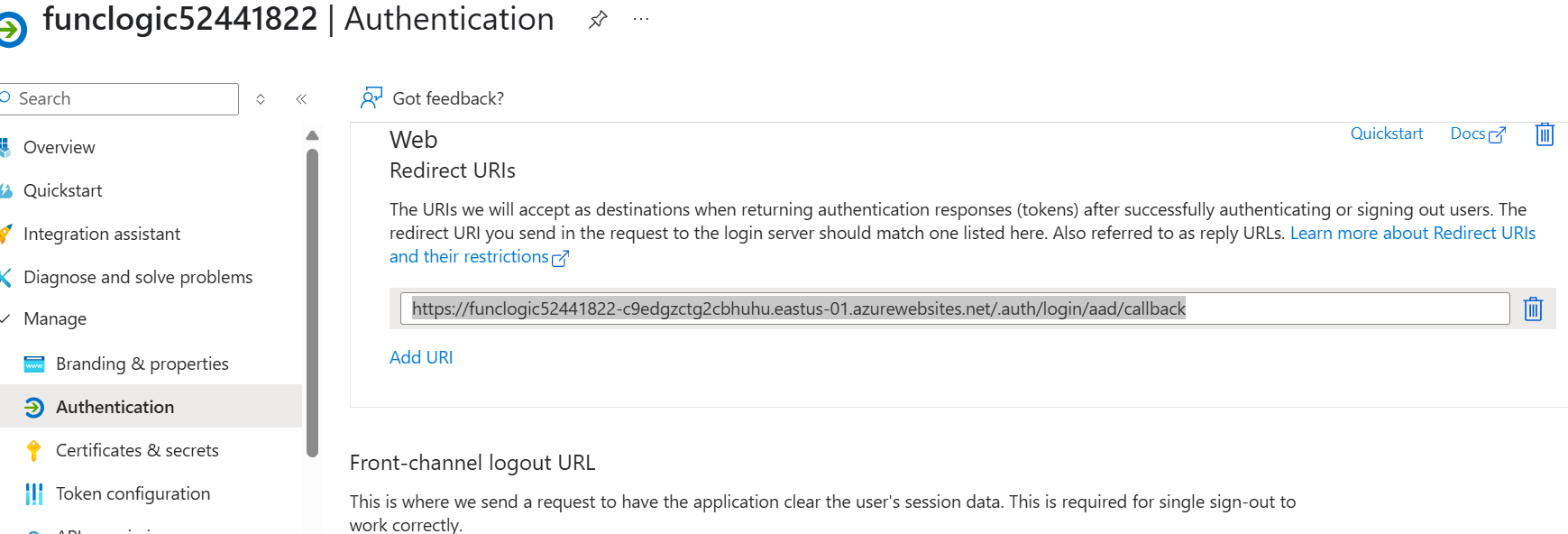
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default(Host key)

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<https://funclogic52441822-c9edgzctg2cbhuhu.eastus-01.azurewebsites.net/.auth/login/aad/callback>



<https://dev.to/sacode/securing-azure-functions-with-oauth2-authentication-4ji>

<https://edi.wang/post/2021/8/23/how-to-get-access-token-for-azure-rest-apis-in-net>

https://funclogic49387723.azurewebsites.net/.auth/login/aad/callback

api://aa6ff581-3faf-49df-9ca4-b7076b0c760e/user\_impersonation

openid offline\_access https://graph.microsoft.com/user.read

https://graph.microsoft.com

/8eb87a6e-8055-4135-b69d-f19c799ec045/oauth2/token

https://login.microsoftonline.com/8eb87a6e-8055-4135-b69d-f19c799ec045/oauth2/v2.0/authorize

?client\_id=aa6ff581-3faf-49df-9ca4-b7076b0c760e

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&redirect\_uri=https://funclogic49387723.azurewebsites.net/.auth/login/aad/callback

&response\_mode=fragment

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&state=12345

https://login.microsoftonline.com/8eb87a6e-8055-4135-b69d-f19c799ec045/oauth2/v2.0/authorize

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&response\_type=code

&redirect\_uri=https://funclogic49387723.azurewebsites.net/.auth/login/aad/callback

&response\_mode=fragment

&scope=api://aa6ff581-3faf-49df-9ca4-b7076b0c760e/user\_impersonation

&state=12345

If we are using Identity provider for Entra Id, there is no need to do anything in code for authentication.

If we are nou using identity provider for function app and adding below code will also not work

builder.Services.AddAuthentication(JwtBearerDefaults.AuthenticationScheme)

.AddMicrosoftIdentityWebApi(builder.Configuration.GetSection("AzureAd"));

builder.Services.AddAuthorization();

**"accessTokenAcceptedVersion": null,**

{ "typ": "JWT", "alg": "RS256", "x5t": "CNv0OI3RwqlHFEVnaoMAshCH2XE", "kid": "CNv0OI3RwqlHFEVnaoMAshCH2XE" }.{ "aud": "api://a9314745-d28a-4610-950b-a31d52a76444", "iss": "https://sts.windows.net/8eb87a6e-8055-4135-b69d-f19c799ec045/", "iat": 1750784066, "nbf": 1750784066, "exp": 1750787966, "aio": "k2RgYNj7R4mp8Npk9Q+SEo+E3y86AQA=", "appid": "a9314745-d28a-4610-950b-a31d52a76444", "appidacr": "1", "idp": "https://sts.windows.net/8eb87a6e-8055-4135-b69d-f19c799ec045/", "oid": "220a59a9-1f3d-4e35-a569-bf2c1aaf1d95", "rh": "1.ASkAbnq4jlWANUG2nfGceZ7ARUVHMamK0hBGlQujHVKnZETOAQApAA.", "sub": "220a59a9-1f3d-4e35-a569-bf2c1aaf1d95", "tid": "8eb87a6e-8055-4135-b69d-f19c799ec045", "uti": "ywrDOTWE8Ei2G8Ms6bvRAA", "ver": "1.0", "xms\_ftd": "AoeK2PPfQ-Gm0E89IFNb6p9dW34r2-Uffo4b0ZBZufEBdXN3ZXN0My1kc21z" }.[Signature]

"accessTokenAcceptedVersion": 2,

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}

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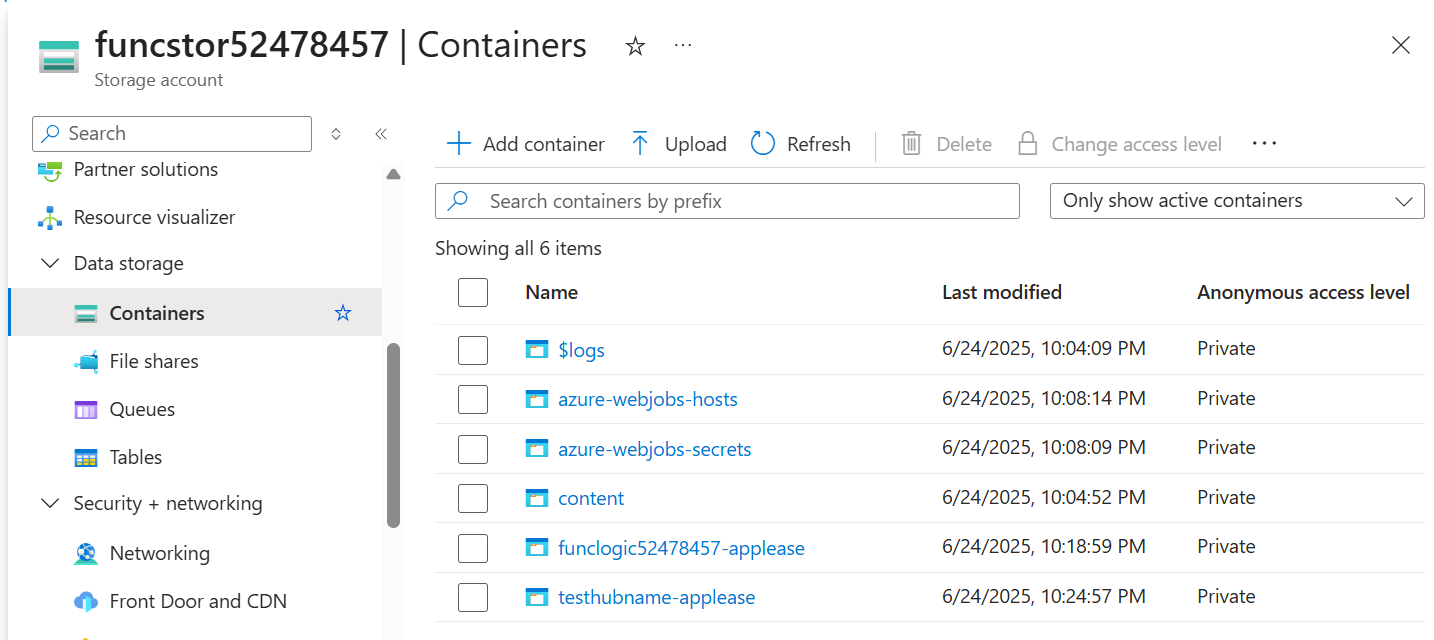
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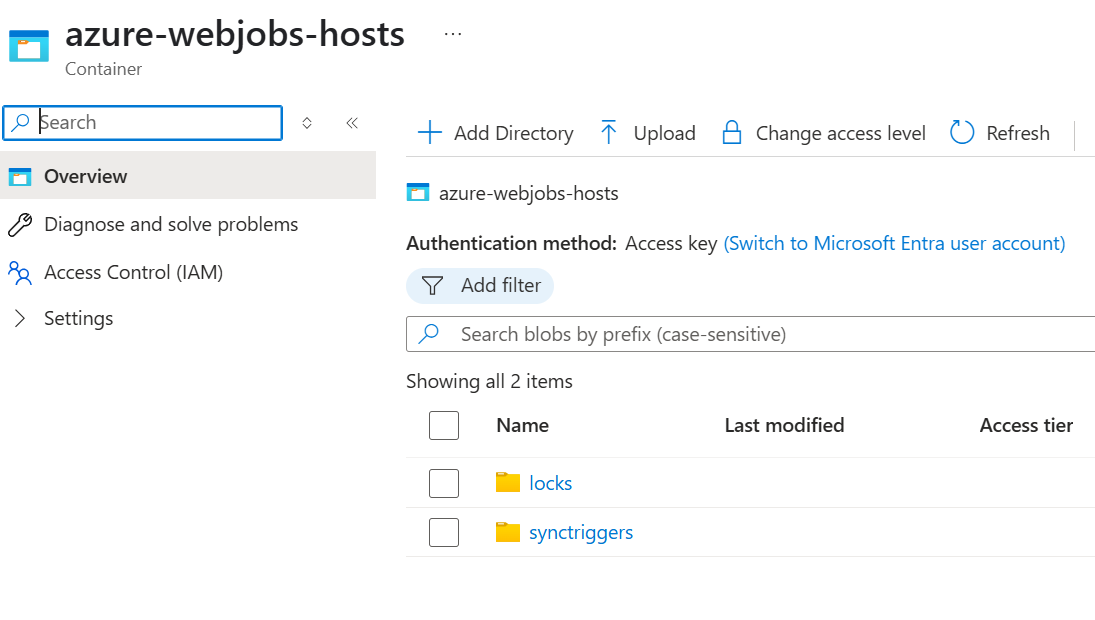
WEBSITE\_AUTH\_AAD\_ALLOWED\_TENANTS

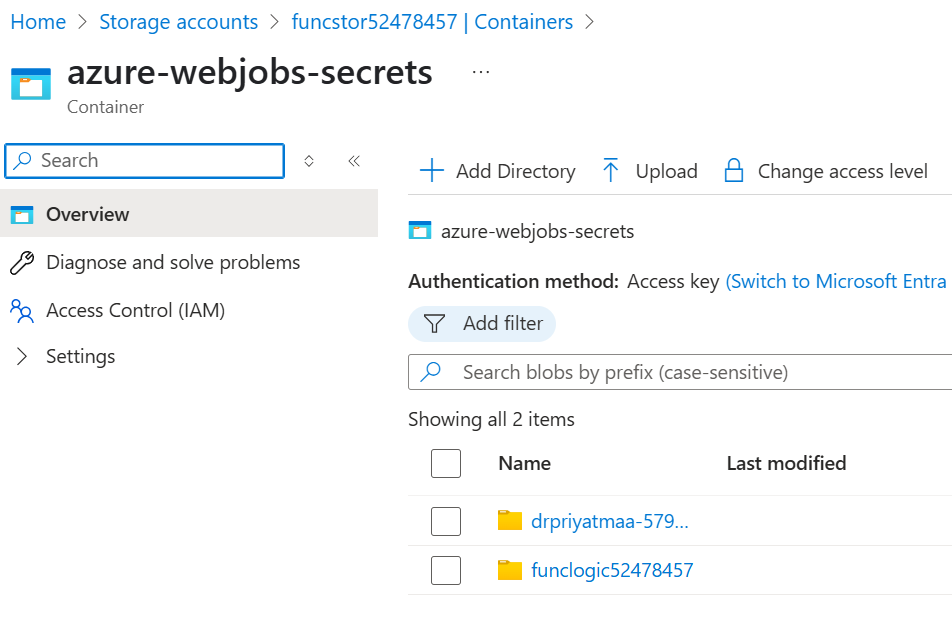
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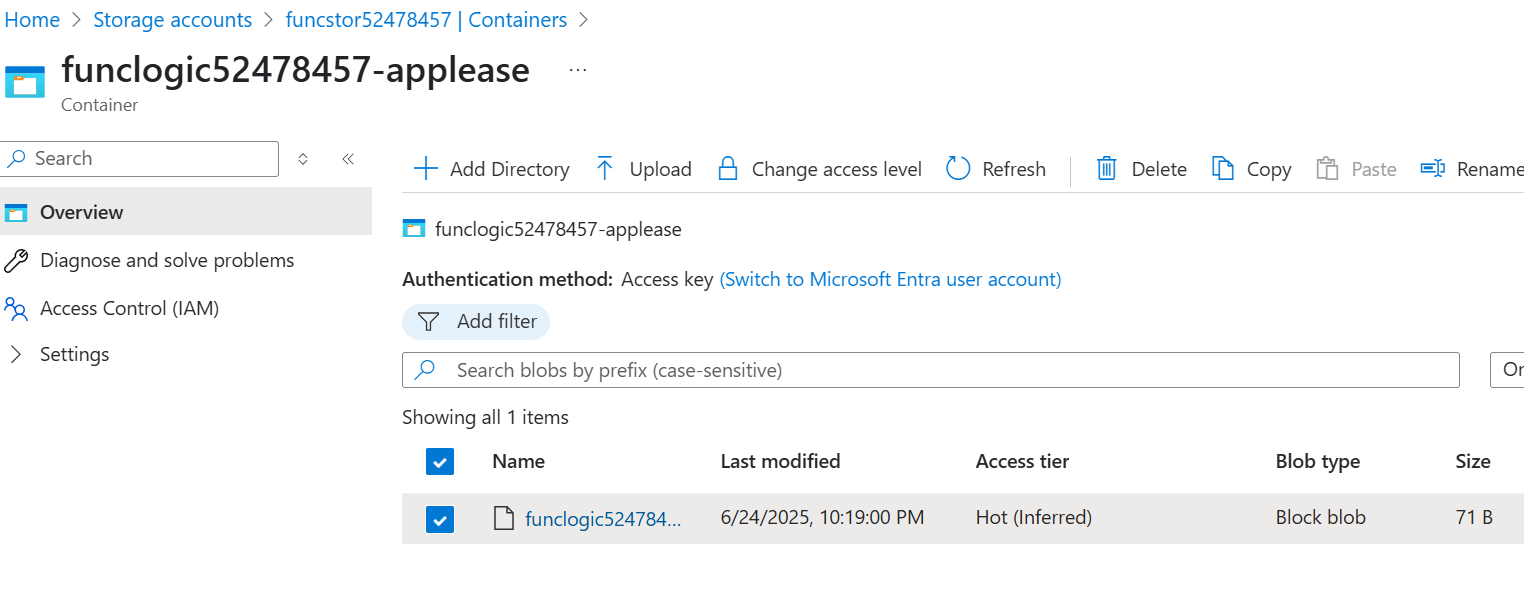
4 containers are created automatically for durable function

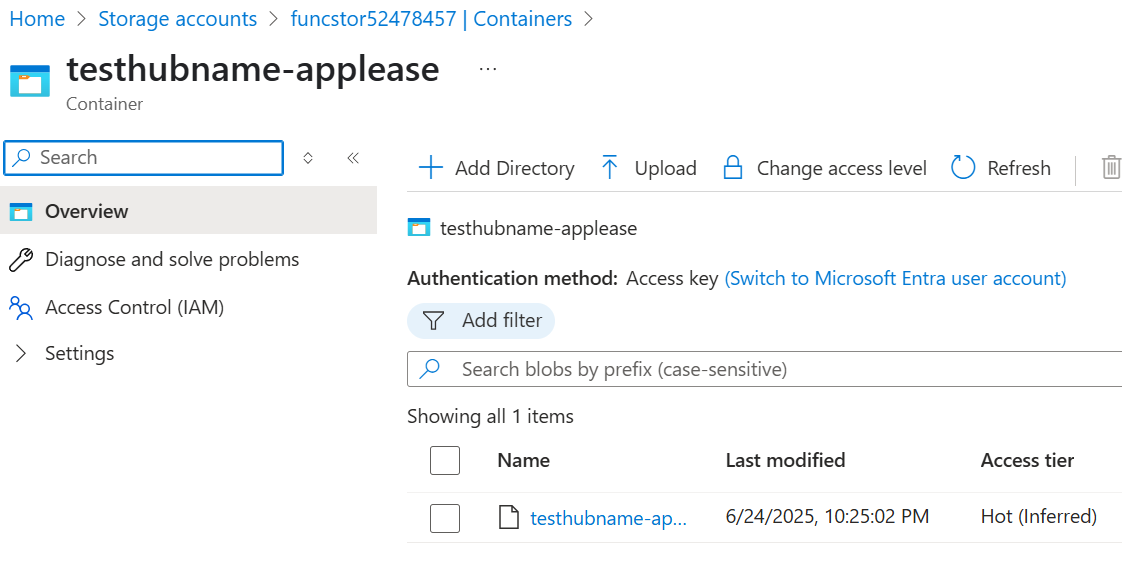
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  2. azure-webjobs-secrets
  3. funclogic52478457-applease
  4. testhubname-applease

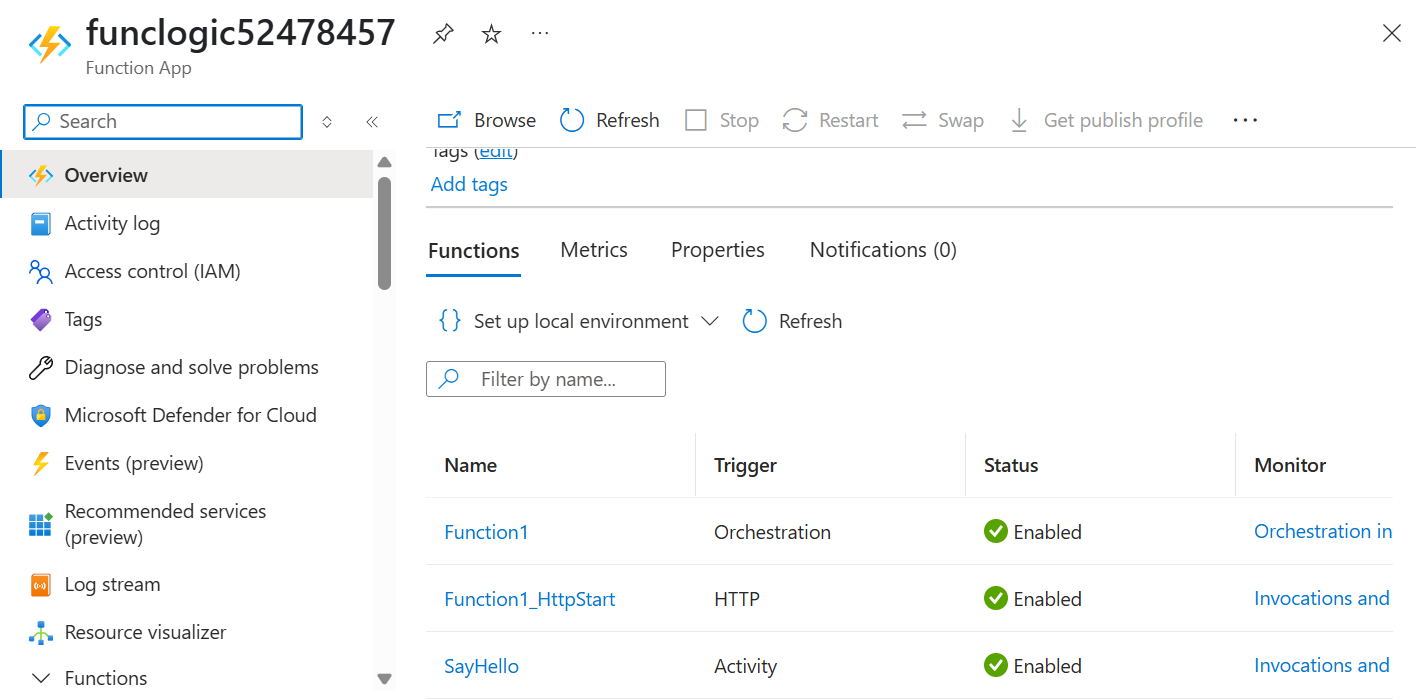


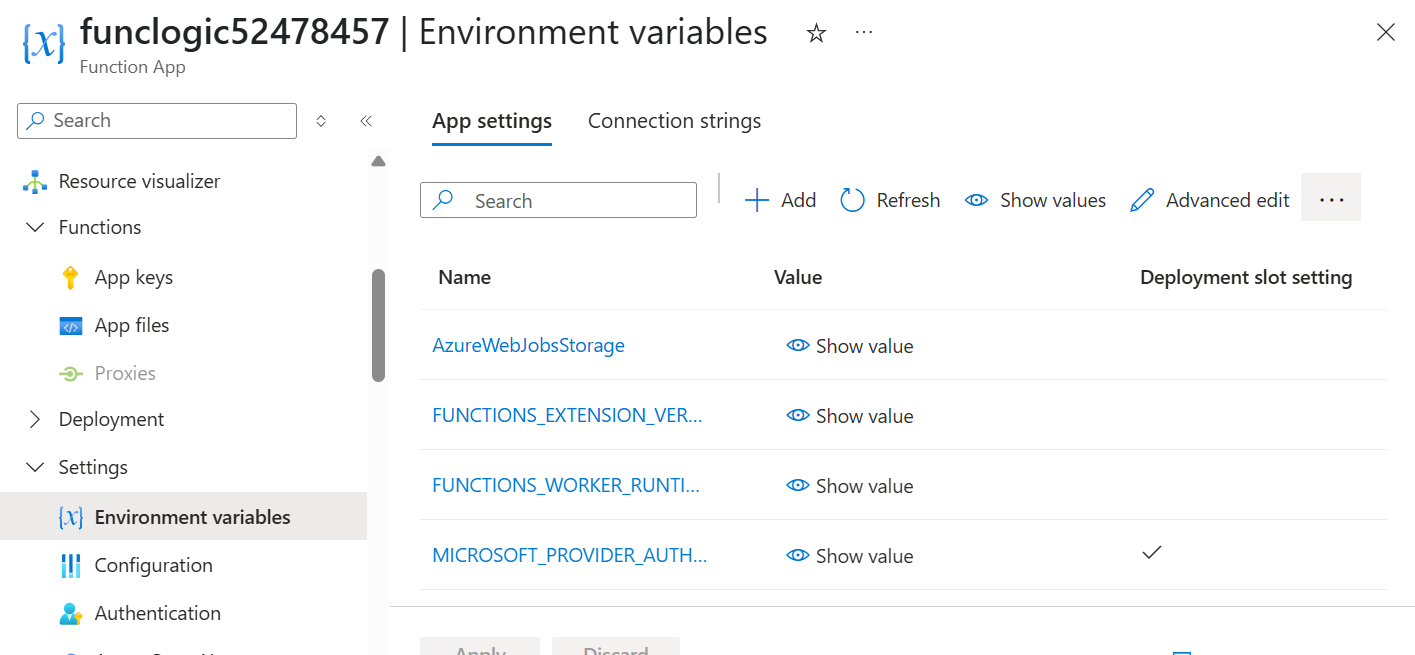












Advance edit

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}