

Using Azure Active Directory authentication

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Self-help content presented in Azure Portal

(This content was shown to the customer during case submission. It's also visible on 'Diagnose and solve problems' blade.)

Learn how to configure and troubleshoot issues with Azure Active Directory authentication

Azure Active Directory (AD) authentication is a mechanism for connecting to Azure SQL Managed Instance by using identities in AD. With AD authentication, you can centrally manage the identities of database users and other Microsoft services in one central location.

Use the following diagnostic for troubleshooting insights, and review the provided guidance to learn how to configure and troubleshoot issues with Azure Active Directory authentication.


Azure AD authentication diagnostics

These diagnostics can identify the cause of many common issues while using Azure Active Directory authentication. The diagnostic check will only take a few minutes.


```
<insight> <symptomId>SqlMILoginError18456AAD</symptomId> <executionText>We are running checks on your resource</executionText> <timeoutText>This check was taking too long, so we stopped the operation</timeoutText> <noResultText>The diagnostic did not detect any issues</noResultText> <additionalInputsReq>true</additionalInputsReq> <maxInsightCount>1</maxInsightCount> </insight>
```

Configure an Azure AD Admin on Managed Instance

For steps on basic configuration, see [Configure and manage Azure AD authentication with Azure SQL](#) .



To enable service principals to create Azure AD users, see [Enable service principals to create Azure AD users](#) .

Troubleshooting steps




- For questions on how to connect, see [Connect your application to Azure SQL Managed Instance](#) .

- For help with connectivity issues, see [Troubleshoot issues related to Azure AD authentication](#) .

Multifactor authentication for Azure AD

- For information about using Universal Authentication, see [Using multi-factor Azure Active Directory authentication](#) .
- For configuration steps, see [Configure multi-factor authentication for SQL Server Management Studio and Azure AD](#) .

Resources

- [Azure AD \(new\) authentication libraries](#) .
- [Azure AD Authentication and authorization error codes \(AADSTS\)](#) .
- [Sign-in activity report error codes on the Azure portal](#) .

How good have you found this content?

