

# [Self-help Document] Authentication Failure

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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



**Path:** Data Factory/Authoring or Development Issues/Authentication Failure

**ID:** 32629441




**Description:** Issues having to do with authenticating to use ADF or permissions issues when loading the visual authoring tool.

## Permissions and Azure Roles for Data Factory

### Recommended Steps

- For access control and security purposes, Azure Data Factory requires users to have certain permissions to perform certain tasks
- Please refer to [Azure roles](#)  section for high level explanation
- For detailed explanation, please refer to [Roles and permissions for Azure Data Factory](#) 
- We recommend you consider the built-in [Data Factory Contributor role](#)  for data factory resources
- **NOTES:** To create and manage child resources for Data Factory - including datasets, linked services, pipelines, triggers, and integration runtimes - the following requirements are applicable:
  - To create and manage child resources in the Azure portal, you must belong to **Data Factory Contributor** role at the *resource group* level or above
  - To create and manage child resources with PowerShell or SDK, **contributor** role at *resource* level or above is sufficient
  - To have more granular access control for ADF portal users, please consider create a separate resource group for your data factory
- **Custom Roles:** To create custom role to grant different access levels for different data factory users, please refer to [Custom scenarios and custom roles](#) 

### Recommended Documents

- [Azure Roles section](#)  for high level explanation
- [Roles and permissions for Azure Data Factory](#) 
- [Data Factory Contributor role](#) 

### How good have you found this content?

