# Azure Data Factory - naming rules

docs.microsoft.com/en-us/azure/data-factory/naming-rules

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APPLIES TO: ✅ Azure Data Factory ⊗ Azure Synapse Analytics (Preview)

The following table provides naming rules for Data Factory artifacts.

Name	Name Uniqueness	Validation Checks
Data Factory	Unique across Microsoft Azure. Names are case-insensitive, that is, `MyDF` and `mydf` refer to the same data factory.	- Each data factory is tied to exactly one Azure subscription. - Object names must start with a letter or a number, and can contain only letters, numbers, and the dash (-) character. - Every dash (-) character must be immediately preceded and followed by a letter or a number. Consecutive dashes are not permitted in container names. - Name can be 3-63 characters long.

Name	Name Uniqueness	Validation Checks
Linked Services/Datasets/Pipelines	Unique with in a data factory. Names are case-insensitive.	• Object names must start with a letter, number, or an underscore (_). • Following characters are not allowed: ".", "+", "?", "/", "<", ">","*","%","&",":","\" • Dashes ("-") are not allowed in the names of linked services and of datasets only.
Integration Runtime	Unique with in a data factory. Names are case-insensitive.	• Integration runtime Name can contain only letters, numbers and the dash (-) character. • The first and last characters must be a letter or number. Every dash (-) character must be immediately preceded and followed by a letter or a number. • Consecutive dashes are not permitted in integration runtime name.
Resource Group	Unique across Microsoft Azure. Names are case-insensitive.	For more info, see Azure naming rules and restrictions.

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Next steps

Learn how to create data factories by following step-by-step instructions in Quickstart: create a data factory article.

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Yes No