Encrypt Linked Service Credentials for Self-Hosted Integration Runtime with ADF PowerShell

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Symptoms	In some scenarios customer may want to encrypt credentials using PowerShell cmdlet on-premise with self-hosted integration runtime, then create linked services with the encrypted credentials.
Cause	N/A

Resolution	1. Find out the linked service json template that you want to create. For example, here is the linked service template for SQL Server:
	{
	"name": "SqlServer1",
	"type": "Microsoft.DataFactory/factories/linkedservices",
	"properties": {
	"annotations": [],
	"type": "SqlServer",
	"typeProperties": {
	"connectionString": "integrated security=False;data source=CN-YANZHANG-415;initial catalog=AdventureWorks2017;user id=sa;password=XXXXXXXX"
	},
	"connectVia": {
	"referenceName": "ir-name",
	"type": "IntegrationRuntimeReference"
	}
	}
	}
	
	Fill in the properties, including the self-hosted integration runtime name, user id and password. Save the json to a file, e.g., let's name the file linkedservice.json
	2. Run following Azure PowerShell cmdlet to encrypt the credential in SHIR:
	New-AzDataFactoryV2LinkedServiceEncryptedCredential -ResourceGroupName 'your-resource-group' -DataFactoryName 'df-name' -IntegrationRuntimeName 'ir-name' -DefinitionFile 'linkedservice.json'
	
	You will get the cmdlet output:
	{
	"name": "SqlServer1",
	"type": "Microsoft.DataFactory/factories/linkedservices",
	"properties": {
	"annotations": [],
	"type": "SqlServer",
	"typeProperties": {
	"connectionString": "integrated security=False;data source=CN-YANZHANG-415;initial catalog=AdventureWorks2017;user id=sa",
	"encryptedCredential": "xxxxxxxxxxxxxxx=="
	},
	"connectVia": {
	"referenceName": "ir-name",
	"type": "IntegrationRuntimeReference"
	}
	}
	}
	
	3. Put above json payload into a file, e.g., with file name "linkedservice-encrypted.json", run following PowerShell cmdlet:
	Set-AzDataFactoryV2LinkedService -ResourceGroupName 'your-resource-group' -DataFactoryName 'df-name' -Name 'MyLinkedService' -DefinitionFile "inkedservice-encrypted.json"

More Information	This operation also works with ADF V1, with corresponding V1 PowerShell cmdlets.

Created with Microsoft OneNote 2016.

How good have you found this content?