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POWER BI

PowerBI On-premises Data Gateway PowerShell Public Preview

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You can manage:

- On-premises data gateways
- Power BI Data sources

*NOTE: These cmdlets require **PowerShell core 6.2.2 or higher***

The cmdlets can be installed in an elevated PowerShell session:

```
Install-Module -Name DataGateway
```

Gateway Management:

Following are PowerShell cmdlets which can be used for administering gateway clusters and members:

- Lists all gateway clusters for the current user or a specific one based on the passed parameters

```
Get-DataGatewayCluster
```

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- Returns the cluster status along with additional properties

Get-DataGatewayClusterStatus

- Lists users authorized to install and register gateways within the tenant

Get-DataGatewayInstaller

- Returns the gateway installation and registration policy for the tenant

Get-DataGatewayTenantPolicy

- Add a specific user to a gateway cluster for specific permissions

Add-DataGatewayClusterUser

- Set properties of an existing gateway cluster

Set-DataGatewayCluster

- Modify list of users who can install and register new gateways on the tenant

Set-DataGatewayInstaller

- Set the gateway installation and registration policy for the tenant

Set-DataGatewayTenantPolicy

- Remove a gateway cluster

Remove-DataGatewayCluster

- Remove a gateway member from the corresponding gateway cluster

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```
Remove-DataGatewayClusterMember
```

- Remove a user from a gateway cluster

```
Remove-DataGatewayClusterUser
```

These cmdlets can be run under a tenant level scope. This would require the user to be a global Office 365 admin or a Power BI service admin. For instance, the following cmdlet would return all gateways within your tenant.

```
Get-DataGatewayCluster -Scope Organization
```

Running the same command without the scope parameter or with the “Individual” scope would return the list of gateways, you are administrator of.

```
Get-DataGatewayCluster -Scope Individual
```

New cmdlet, which allows tenant admins to restrict installation of on-premises data gateway in standard mode is as follows. The tenant admin can then allow specific users to install using the **Set-DataGatewayInstaller** cmdlet.

```
Set-DataGatewayTenantPolicy -ResourceGatewayInstallPolicy Restricted
```

Data source (Power BI) management:

Following are PowerShell cmdlets which can be used for managing Power BI data sources:

- Add a user with required permissions for a Power BI data source

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- Lists all Power BI data sources on a gateway cluster or a specific one based on the passed parameters

```
Get-DataGatewayClusterDatasource
```

- Returns the connectivity status of a data source in a gateway cluster

```
Get-DataGatewayClusterDatasourceStatus
```

- Lists users who have access to the specific Power BI data source in a gateway cluster

```
Get-DataGatewayClusterDatasourceUser
```

- Removes a Power BI data source from a gateway cluster

```
Remove-DataGatewayClusterDatasource
```

- Removes a user from a Power BI data source

```
Remove-DataGatewayClusterDatasourceUser
```

- Set properties of an existing Power BI data source

```
Set-DataGatewayClusterDatasource
```

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