

AZURE SQL

Hands-on based on:

- Script activity
- Stored procedure activity
- CDC
- Create Azure Automation
- Create Schedule
- Dynamically Pass Expression
- Condition Logic
- User Defined Functions
- Error Handling
- Create Alert

CREATE SQL DATABASE, STORAGE ACCOUNT AND DATA FACTORY:

The screenshot displays the Microsoft Azure portal interface. At the top, the navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'pioneer24@ravinsofttec...'. The main content area shows the 'Overview' page for a deployment named 'Microsoft.SQLDatabase.newDatabaseNewServer_1b72d81eda3548b8856ed'. The deployment status is 'Complete', indicated by a green checkmark. Key details include the deployment name, subscription (RDBF), resource group (RDBF), start time (9/8/2023, 9:20:15 AM), and correlation ID. A 'Go to resource' button is visible. On the right sidebar, there are recommendations for 'Cost management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

Microsoft Azure

Search resources, services, and docs (G+)

Home >

Microsoft.SQLDatabase.newDatabaseNewServer_1b72d81eda3548b8856ed | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : Microsoft.SQLDatabase.newDa... Start time : 9/8/2023, 9:20:15 AM

Subscription : RDBF Correlation ID : 5ecc4565-ed81-45f3-a43b-f38a...

Resource group : RDBF

> Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Microsoft Azure Search resources, services, and docs (G+)

Azure services

Create a resource Data factories Azure SQL SQL databases Quickstart Center Virtual machines App Services Storage accounts Azure Cosmos DB More services

Resources

Recent Favorite

Name	Type	Last Viewed
priyadarsini	Data factory (V2)	6 minutes ago
priyadarsini	Storage account	10 minutes ago
RDBF	Resource group	10 minutes ago
priyadarsini	SQL database	22 minutes ago
priyadarsini	SQL server	25 minutes ago

See all

Navigate

https://portal.azure.com/#create/hub inc Resource groups All resources Dashboard

SCRIPT ACTIVITY

3.140.129.65 - Remote Desktop Connection

Applications - priyadarsini (priyadarsini)

Home - Microsoft Azure - x priyadarsini (priyadarsini) - x priyadarsini - Azure Data - x +

Search Google

Microsoft Azure Search resources, services, and docs (G+)

Home > Azure SQL > priyadarsini | SQL databases > priyadarsini (priyadarsini/priyadarsini)

priyadarsini (priyadarsini/priyadarsini) | Query editor (preview) ☆

Search Login + New Query Open query Feedback Getting started

Overview Activity log Tags Diagnose and solve problems Query editor (preview) Settings Compute + storage Connection strings Properties Locks Data management Replicas Sync to other databases Integrations Azure Synapse Link Stream analytics (preview) Add Azure Search Power Platform Power BI Power Apps Power Automate Security Auditing

priyadarsini (priyadarsini/priyadarsini) Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables dbo.citizens dbo.citizensDW Views Stored Procedures

Query 1

```
1 Select * from emp_det;
2 Select * from dept_det;
3
4
```

Run Cancel query Save query Export data as Show only Editor

Results Messages

Search to filter items...

id	name
1	IT
2	HR
1	Payroll

3.140.129.65 - Remote Desktop Connection

Applications | priyadarsini - Azure Data...

Home - Microsoft Azure | priyadarsini (priyadarsini) | priyadarsini - Azure Data | +

adf.azure.com/en/authoring/pipeline/pipeline1?factory=%2Fsubscriptions%2F5464fa55-993e-42e2-b3a4-206c6a24f19e%2FresourceGroups%2FRDBF%2Fproviders%2FMicrosoft.DataFactory%2FFactories%2Fpriyadarsini

Microsoft Azure | Data Factory | priyadarsini

Microsoft recently announced the public preview of Microsoft Fabric, a brand new and exciting way to build cloud-first data analytics. Click here to get started with Fabric Data Factory!

Data Factory | Validate all | Publish all

Preview experience: Off

Factory Resources

- Pipelines: 1
- scriptactivity
- Change Data Capture (preview): 0
- Datasets: 0
- Data flows: 0
- Power Query: 0

Activities

- scriptactivity
- General
- Script

Script

Script1

Parameters Variables Settings Output

Pipeline run ID: 33330144-e9ae-490a-8338-4c96d669986d Pipeline status: Succeeded View debug run consumption

All status

Showing 1 - 1 of 1 items

Activity name	Activity status	Activity type	Run start	Duration	Log	Integration ru
Script1	Succeeded	Script	9/8/2023, 5:45:29 AM	9s		AutoResolveIn

3.140.129.65 - Remote Desktop Connection

Applications | priyadarsini - Azure Data...

Home - Microsoft Azure | priyadarsini (priyadarsini) | priyadarsini - Azure Data | +

adf.azure.com/en/authoring/pipeline/pipeline1?factory=%2Fsubscriptions%2F5464fa55-993e-42e2-b3a4-206c6a24f19e%2FresourceGroups%2FRDBF%2Fproviders%2FMicrosoft.DataFactory%2FFactories%2Fpriyadar...

Microsoft Azure | Data Factory | priyadarsini

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Data Factory | Validate all | Publish all

Preview experience: Off

Factory Resources

- Pipelines: 1
- scriptactivity
- Change Data Capture (preview): 0
- Datasets: 0
- Data flows: 0
- Power Query: 0

Activities

- scriptactivity
- General
- Script

Script

Script1

Parameters Variables Settings Output

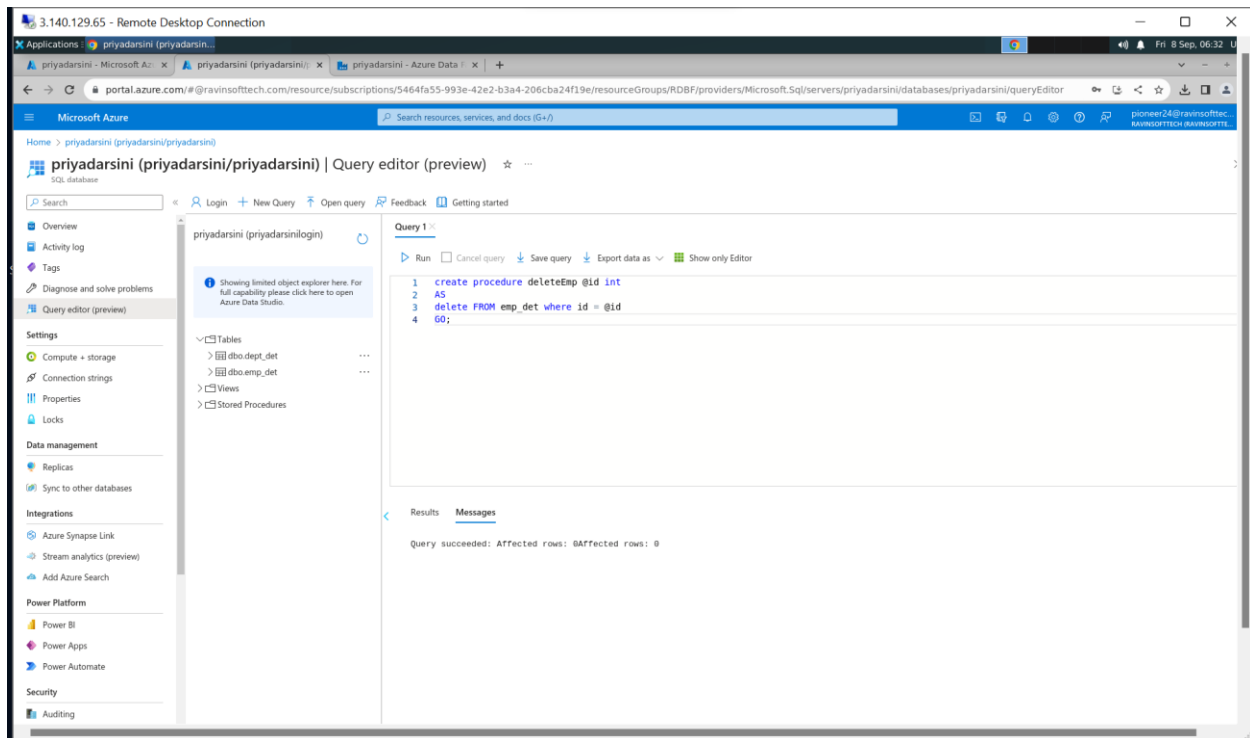
Pipeline run ID: a626d876-fa43-43d6-8aaa-38c99ee773c Pipeline status: Succeeded View debug run consumption

All status

Showing 1 - 1 of 1 items

Activity name	Activity status	Activity type	Run start	Duration	Log	Integration ru
Script1	Succeeded	Script	9/8/2023, 6:06:16 AM	7s		AutoResolveIn

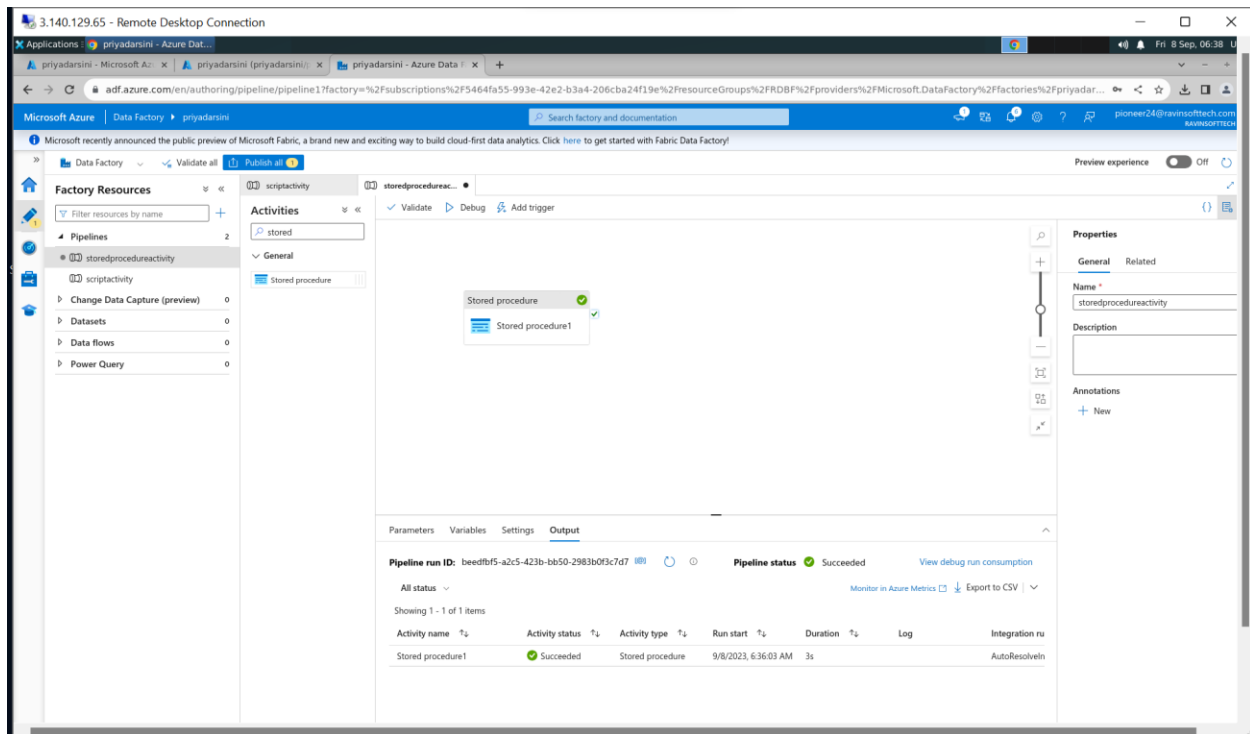
STORED PROCEDURE ACTIVITY



The screenshot shows the Microsoft Azure portal interface for a SQL database. The main pane is the "Query editor (preview)" for the database "priyadarsini (priyadarsini/priyadarsini)". The query editor displays a SQL script:

```
1 create procedure deleteEmp @id int
2 AS
3 delete FROM emp_det where id = @id
4 GO;
```

The "Results" tab shows the message: "Query succeeded: Affected rows: 8 Affected rows: 0". The left sidebar shows the "Query editor (preview)" selected under the "Tools" section.



The screenshot shows the Microsoft Azure portal interface for a Data Factory. The main pane is the "Activities" tab for the "storedprocedureactivity" pipeline. The activity is named "Stored procedure1". The "Properties" pane on the right shows the "Name" field set to "storedprocedureactivity".

The "Output" tab shows the pipeline run details:

Activity name	Activity status	Activity type	Run start	Duration	Log	Integration ru
Stored procedure1	Succeeded	Stored procedure	9/8/2023, 6:36:03 AM	3s		AutoResolveIn

3.140.129.65 - Remote Desktop Connection

Applications: priyadarsini (priyadarsini) | Query editor (preview)

portal.azure.com#@ravinsofttech.com/resource/subscriptions/5464fa55-993e-42e2-b3a4-206cba24f19e/resourceGroups/RDBF/providers/Microsoft.Sql/servers/priyadarsini/databases/priyadarsini/queryEditor

Microsoft Azure Search resources, services, and docs (G+)

Home > priyadarsini (priyadarsini/priyadarsini) | Query editor (preview)

Search

Overview Activity log Tags Diagnose and solve problems Query editor (preview) Settings Compute + storage Connection strings Properties Locks Data management Replicas Sync to other databases Integrations Azure Synapse Link Stream analytics (preview) Add Azure Search Power Platform Power BI Power Apps Power Automate Security Auditing

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.dept_det
- dbo.emp_det

Views

Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 select * from [dbo].[emp_det]
```

Results Messages

Search to filter items...

id	name	gender
2	Anu	Female

CDC

Applications: New Tab - Google Chrome

priyadarsinidb (priyadarsini) | Query editor (preview)

portal.azure.com/#@npunext.onmicrosoft.com/resource/subscriptions/83ecb796-889c-4274-a535-2a276ac4d48a/resourceGroups/RDBF/providers/Microsoft.Sql/servers/priyadarsini/databases/priyadarsinidb/queryEditor

Microsoft Azure Search resources, services, and docs (G+)

Home > Microsoft.SqlDatabase.newDatabaseNewServer_ef5371e89735454f90c7b | Overview > priyadarsinidb (priyadarsinims/priyadarsinidb) | Query editor (preview)

Search

Overview Activity log Tags Diagnose and solve problems Query editor (preview) Settings Compute + storage Connection strings Maintenance Properties Locks Data management

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

Views

Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 create table citizens(  
2 id int Primary Key,  
3 name varchar(50))
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded 10s

Applications: New Tab - Google Chrome

Microsoft Azure | Data Factory | priyadarsinidf | Search factory and documentation

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Factory Resources

- Pipelines: 1
 - CDC1
- Change Data Capture (preview): 0
- Datasets: 2
 - CitizensDS
 - CitizensDW
- Data flows: 1
 - CDC1
- Power Query: 0

Properties

General

Name: CDC1

Description:

Annotations: + New

Parameters Variables Settings Output

Pipeline run ID: d4a36b96-f7f2-4b4f-8564-f28b68ae0597

All status: Monitor in Azure Metrics Export to CSV

Showing 1 - 1 of 1 items

Activity name	Activity status	Run start	Duration
Data flow1	Succeeded	9/8/2023, 11:02:36 AM	1m 11s

Applications: New Tab - Google Chrome

Microsoft Azure | Search resources, services, and docs (G+)

Home > Priyadarsini > priyadarsinims | SQL databases > priyadarsinidf (priyadarsinims/priyadarsinidf)

priyadarsinidf (priyadarsinims/priyadarsinidf) | Query editor (preview)

Search

Overview Activity log Tags Diagnose and solve problems Query editor (preview)

Settings

- Compute + storage
- Connection strings
- Maintenance
- Properties
- Locks

Data management

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

- Tables
- Views
- Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT * FROM CITIZENS;  
2 SELECT * FROM CITIZENSDW;
```

Results Messages

Search to filter items...

id	name
1	MAHESH

Query succeeded | 0s