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dbeaver	8

1 Create an Azure SQL database with the following specifications

a) Database plan: Basic b) Connectivity method: Public Endpoint c) No existing data backup

Home >

Azure SQL

Default Directory (vocareumvocareum.onmicrosoft.com)

+ Create ⌚ Reservations ⚙️ Manage view ↕ Refresh ⬇ Export to CSV 🔗 Open query 🏷 Assign tags 🗑 Delete ❤ Feedback

Filter for any field... Subscription == all Resource group == all Location == all Add filter

Showing 0 to 0 of 0 records.

Name ↑↓ Resour... ↑↓ Service tier ↑↓ Resource group ↑↓

Home > Azure SQL >


Azure SQL

Default Directory (vocareumvocareum.onmicrosoft.com)

+ Create ⌚ Reservations ...

Filter for any field...

Name ↑↓




No Azure SQL resources to display

Select SQL deployment option

Microsoft

Feedback


How do you plan to use the service?

 **SQL databases**

Best for modern cloud applications. Hyperscale and serverless options are available.

Resource type
Single database


Create Show details

 **SQL managed instances**

Best for most migrations to the cloud. Lift-and-shift ready.

Resource type
Single instance

Create Show details

 **SQL virtual machines**

Best for migrations and applications requiring level access. Lift-and-shift ready.

Image

Create Show details

Home > Azure SQL > Select SQL deployment option >

Create SQL Database

Microsoft

Subscription * Production 1

Resource group * Regroup_3nvh
[Create new](#)

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name * sathi-azuresql ✓

Server * Select a server
[Create new](#)

✖ The value must not be empty.

Want to use SQL elastic pool? * Yes No

Compute + storage * Please select a server first.
[Configure database](#)

Backup storage redundancy

[Review + create](#) [Next: Networking >](#)

New server

Microsoft

Server name * sathiazuresql ✓
.database.windows.net

Server admin login * sathishanm ✓

Password * ***** ✓

Confirm password * ***** ✓

Location * (US) East US

[OK](#)

Configure ...

♥ Feedback

Service and compute tier

Select from the available tiers based on the needs of your workload. The vCore model provides a wide range of configuration controls and offers Hyperscale and Serverless to automatically scale your database based on your workload needs. Alternately, the DTU model provides set price/performance packages to choose from for easy configuration. [Learn more](#)

Service tier Basic (For less demanding workloads) ▾
[Compare service tiers](#)

DTUs [What is a DTU?](#)

5 (Basic)

Data max size (GB)

2



Cost summary

Cost per DTU (in USD)	1.00
DTUs selected	x 5
ESTIMATED COST / MONTH	4.99 USD

Apply

Create SQL Database ...

Microsoft

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. [Learn more](#)

- ☐ No access
- ☒ Public endpoint
- ☐ Private endpoint

Connectivity method * ⓘ

Firewall rules

Setting 'Allow Azure services and resources to access this server' to Yes allows communications from all resources inside the Azure boundary, that may or may not be part of your subscription. [Learn more](#)

Setting 'Add current client IP address' to Yes will add an entry for your client IP address to the server firewall.

Allow Azure services and resources to access this server *

No Yes

Add current client IP address *

No Yes

Encrypted connections

This server supports encrypted connections using Transport Layer Security (TLS). For information on TLS version and

Review + create

< Previous

Next : Security >

Deployment

Search (Ctrl+/) « Delete Cancel Redeploy Refresh

Overview

We'd love your feedback →

Deployment is in progress

Deployment name: Microsoft.SQLDatabase.newDatabaseNewServe... Start time: 7/18/2021, 5:53:21 PM
Subscription: [Production 1](#) Correlation ID: a47ea05c-c447-4e3e-9ea5-1c92346a6f28
Resource group: [Regroup_3nvh](#)

Deployment details (Download)

Resource	Type	Status	Operation details
No results.			

Home > sathi-azuresql (sathiazuresql/sathi-azuresql) ✕ ...

SQL database

Search (Ctrl+/) « Copy Restore Export Set server firewall Delete Connect with... Feedback

Overview

Activity log

Tags

Diagnose and solve problems

Quick start

Query editor (preview)

Power Platform

Power BI (preview)

Power Apps (preview)

Power Automate (preview)

Settings

Compute + storage

Essentials

Resource group (change): [Regroup_3nvh](#)

Status: Online

Location: East US

Subscription (change): [Production 1](#)

Subscription ID: f700a502-f4c5-42f4-8f1d-cacab88d7d39

Tags (change): [Click here to add tags](#)

Server name: [sathiazuresql.database.windows.net](#)

Elastic pool: No elastic pool

Connection strings: [Show database connection strings](#)

Pricing tier: Basic

Earliest restore point: No restore point available

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Database data storage

0.2% USED SPACE

Compute utilization

100%

90%

80%

70%

60%

Home > sathi-azuresql (sathiazuresql/sathi-azuresql)

sathi-azuresql (sathiazuresql/sathi-azuresql) | Connection strings ...

SQL database

Search (Ctrl+/) «

Overview

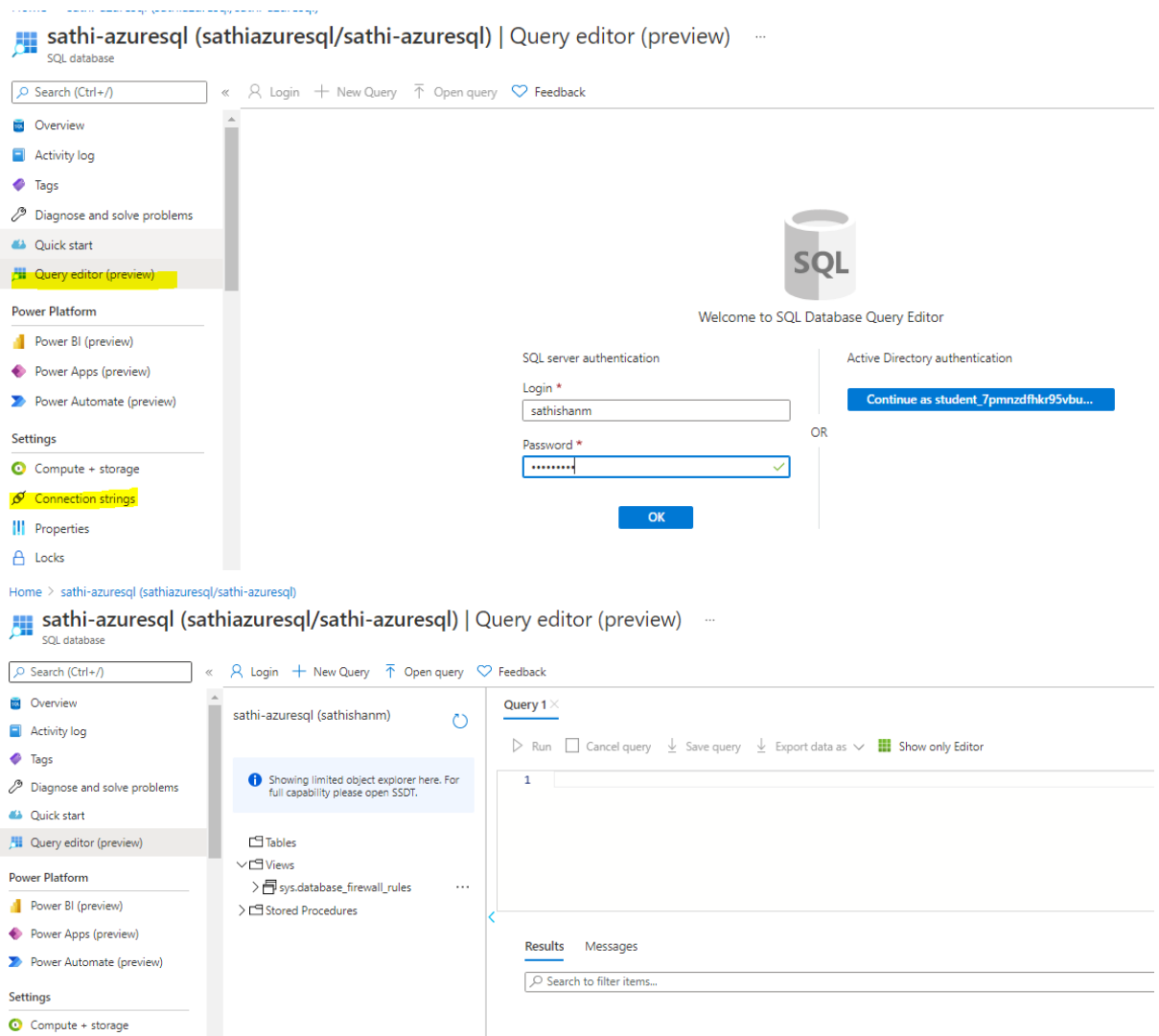
Activity log

Tags

Diagnose and solve problems

Quick start

```
9 | "errors"
10 | )
11 |
12 | var db *sql.DB
13 | var server = "sathiazuresql.database.windows.net"
14 | var port = 1433
15 | var user = "sathishanm"
16 | var password = "<your_password>"
17 | var database = "sathi-azuresql"
18 |
```



2 Use the query editor to create a table with the following fields and datatypes

a) Name: String b) Author: String c) ISBN: Integer d) Price: Integer e) Number of copies available: Integer

Run ☐ Cancel query [Save query](#) [Export data as](#) ☐ Show only Editor

```

1 CREATE TABLE Books (
2     Name varchar(255),
3     Author varchar(255),
4     ISBN int,
5     Price int,
6     Numberofcopiesavailable int
7 );
8

```

Results Messages

sathi-azuresql (sathishanm)

Showing (limited object explorer here. For full capability please open SSDT.)

- Tables
 - dbo.Books
 - Name (varchar, null)
 - Author (varchar, null)
 - ISBN (int, null)
 - Price (int, null)
 - Numberofcopiesavailable (int, null)
- Views
- Stored Procedures

Query 1 × Query 2 ×

Run ☐ Cancel query [Save query](#) [Export data as](#) ☐ Show only Editor

```

1 SELECT TOP (1000) * FROM [dbo].[Books]

```

Results Messages

Search to filter items...

3) Insert the following values into the table

```

INSERT INTO Books VALUES ('Pet Sematary', 'Stephen King', 11011123, 437, 3 );
INSERT INTO Books VALUES ('The Shining', 'Stephen King', 11679532, 345, 2);
INSERT INTO Books VALUES ('The Haunting on Hill House', 'Shirley Jackson', 11659042, 550, 6 );
INSERT INTO Books VALUES ('Dracula', 'Bram Stoker', 11011666, 250, 4 );
INSERT INTO Books VALUES ('At the Mountains of Madness', 'H.P Lovecraft', 1145873, 59, 2 );
INSERT INTO Books VALUES ('Madness Psycho', 'Robert Bloch', 1167903, 399, 6 );
INSERT INTO Books VALUES ('The Silence of the Lambs', 'Thomas Harris', 1178902, 350, 4 );
INSERT INTO Books VALUES ('A Head Full of Ghosts', 'Paul Trembley', 1167902, 450, 7 );
;
INSERT INTO Books VALUES ('Carrie', 'Stephen King', 1189450, 399, 4);
INSERT INTO Books VALUES ('Bird Box', 'Josh Malerman', 1123670, 500, 1);

```

Login + New Query Open query Feedback

sathi-azuresql (sathishanm)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.Books
- Views
- Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```

1 INSERT INTO Books VALUES ('Pet Sematary', 'Stephen King', 11011123, 437, 3);
2 INSERT INTO Books VALUES ('The Shining', 'Stephen King', 11679532, 345, 2);
3 INSERT INTO Books VALUES ('The Haunting on Hill House', 'Shirley Jackson', 11659042, 550, 6);
4 INSERT INTO Books VALUES ('Dracula', 'Bram Stoker', 11011666, 250, 4);
5 INSERT INTO Books VALUES ('At the Mountains of Madness', 'H.P. Lovecraft', 1145873, 599, 2);
6 INSERT INTO Books VALUES ('Madness Psycho', 'Robert Bloch', 1167903, 399, 6);
7 INSERT INTO Books VALUES ('The Silence of the Lambs', 'Thomas Harris', 1178902, 350, 4);
8 INSERT INTO Books VALUES ('A Head Full of Ghosts', 'Paul Trembley', 1167902, 450, 7);

```

Results Messages

Query succeeded: Affected rows: 10

Login + New Query Open query Feedback

sathi-azuresql (sathishanm)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.Books
 - Name (varchar, null)
 - Author (varchar, null)
 - ISBN (int, null)
 - Price (int, null)
 - Numberofcopiesavailable (int, null)
- Views
- Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```

1 select * from [dbo].[Books]

```

Results Messages

Search to filter items...

Name	Author	ISBN	Price	Numberofcopiesav
Pet Sematary	Stephen King	11011123	437	3
The Shining	Stephen King	11679532	345	2
The Haunting on Hill House	Shirley Jackson	11659042	550	6

4 Write queries to retrieve the following data

- a) Total price of all the books authored by Stephen King
 b) List of all the Books priced above 500
 c) Number of books with less than 3 copies available

sathi-azuresql (sathishanm)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.Books
 - Name (varchar, null)
 - Author (varchar, null)
 - ISBN (int, null)
 - Price (int, null)
 - Numberofcopiesavailable (int, null)
- Views
- Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```

1 select * from [dbo].[Books]
2 --Total price of all the books authored by Stephen King 399 +437+345 =1,181
3 select Author, sum(Price) from [dbo].[Books]
4 where Author='Stephen King'
5 group by Author
  
```

Results Messages

Search to filter items...

Author
Stephen King

sathi-azuresql (sathishanm)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.Books
 - Name (varchar, null)
 - Author (varchar, null)
 - ISBN (int, null)
 - Price (int, null)
 - Numberofcopiesavailable (int, null)
- Views
- Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

```

1 --Total price of all the books authored by Stephen King 399 +437+345 =1,181
2 select Author, sum(Price) from [dbo].[Books] where Author='Stephen King' group by Author
3 --List of all the Books priced above 500
4 select Name from [dbo].[Books] where Price > 500
  
```

Results Messages

Search to filter items...

Name
The Haunting on Hill House
At the Mountains of Madness

Query 1

Run Cancel query Save query Export data as Show only Editor

```

1 --Total price of all the books authored by Stephen King 399 +437+345 =1,181
2 select Author, sum(Price) from [dbo].[Books] where Author='Stephen King' group by Author
3 --List of all the Books priced above 500
4 select Name from [dbo].[Books] where Price > 500
5 --Number of books with less than 3 copies available
6 select count(1) from [dbo].[Books] where Numberofcopiesavailable < 3
  
```

Results Messages

Search to filter items...

3

--Total price of all the books authored by Stephen King 399 +437+345 =1,181

```

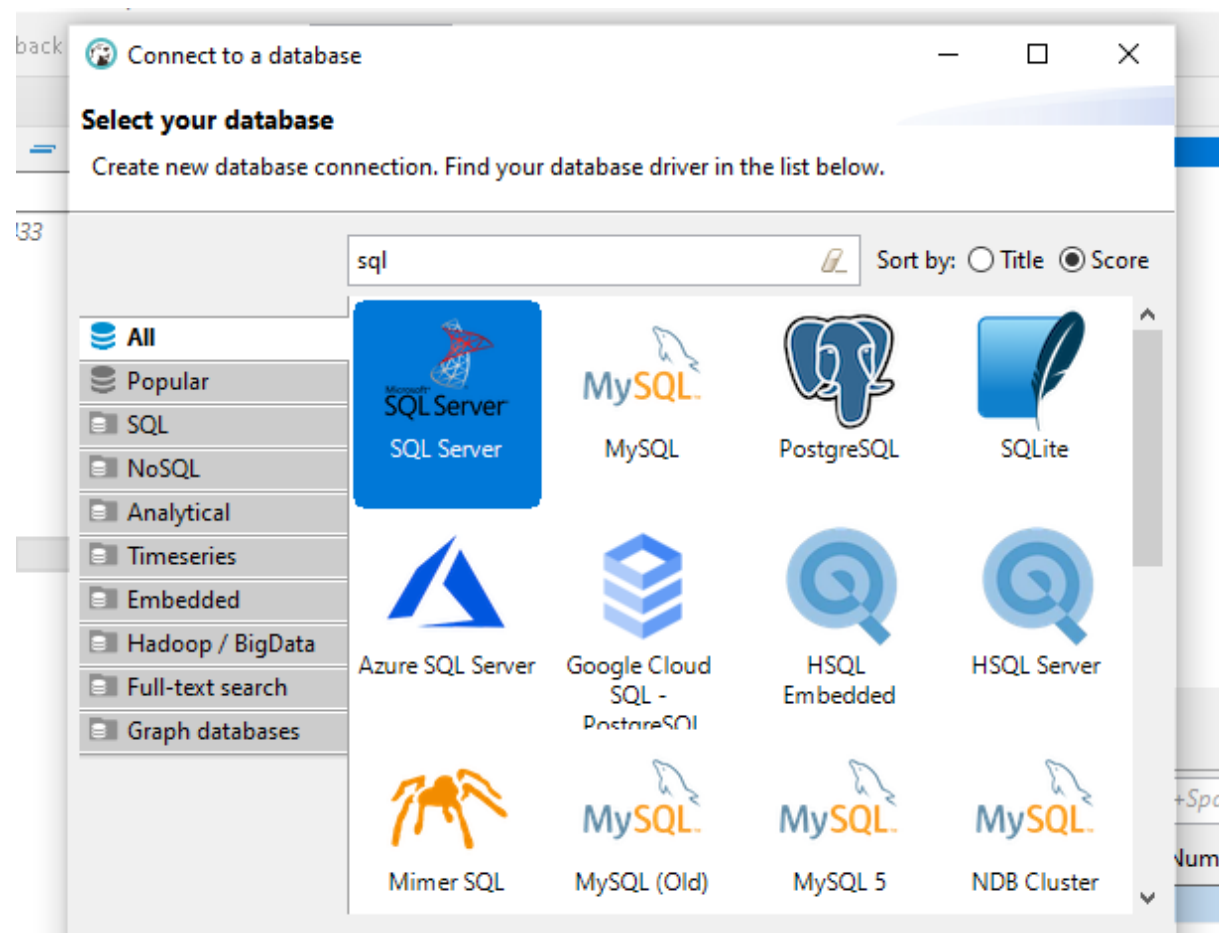
select Author, sum(Price) from [dbo].[Books] where Author='Stephen King' group by Author
--List of all the Books priced above 500
select Name from [dbo].[Books] where Price > 500
--Number of books with less than 3 copies available
select count(1) from [dbo].[Books] where Numberofcopiesavailable < 3

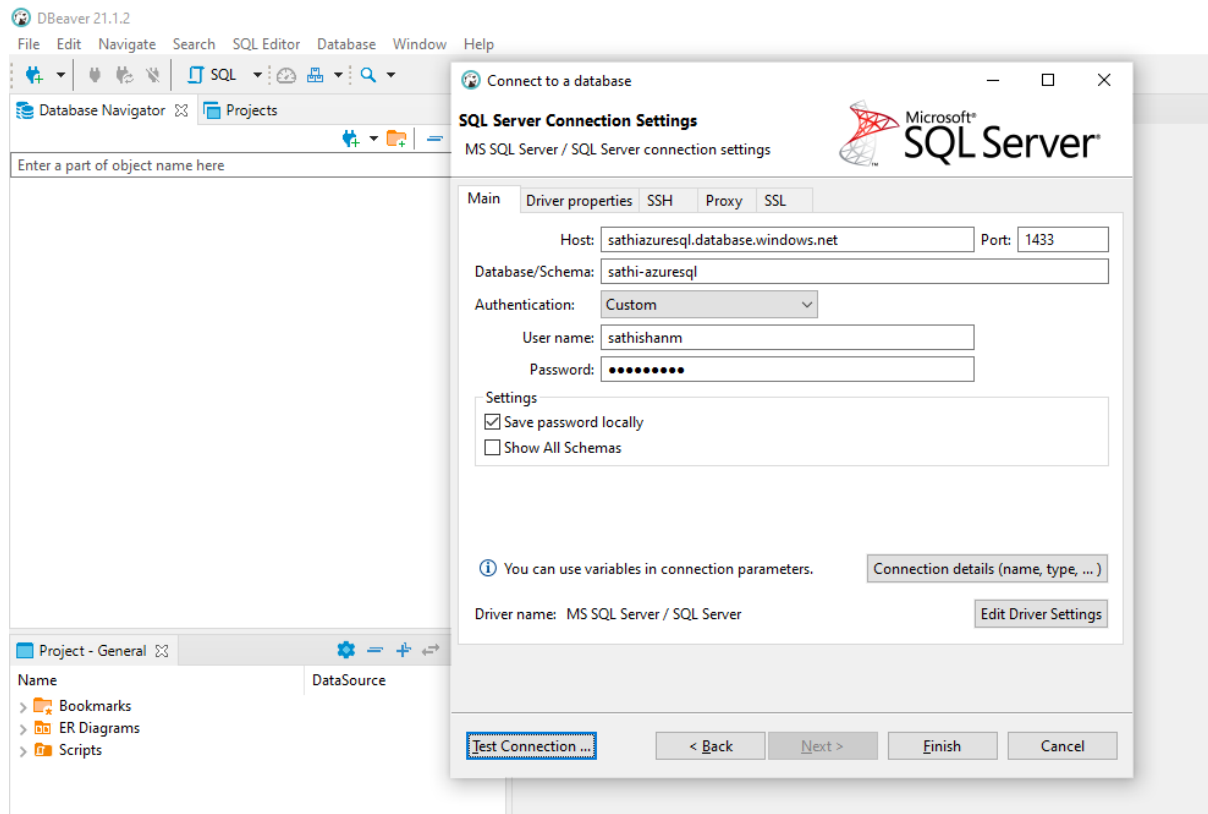
```

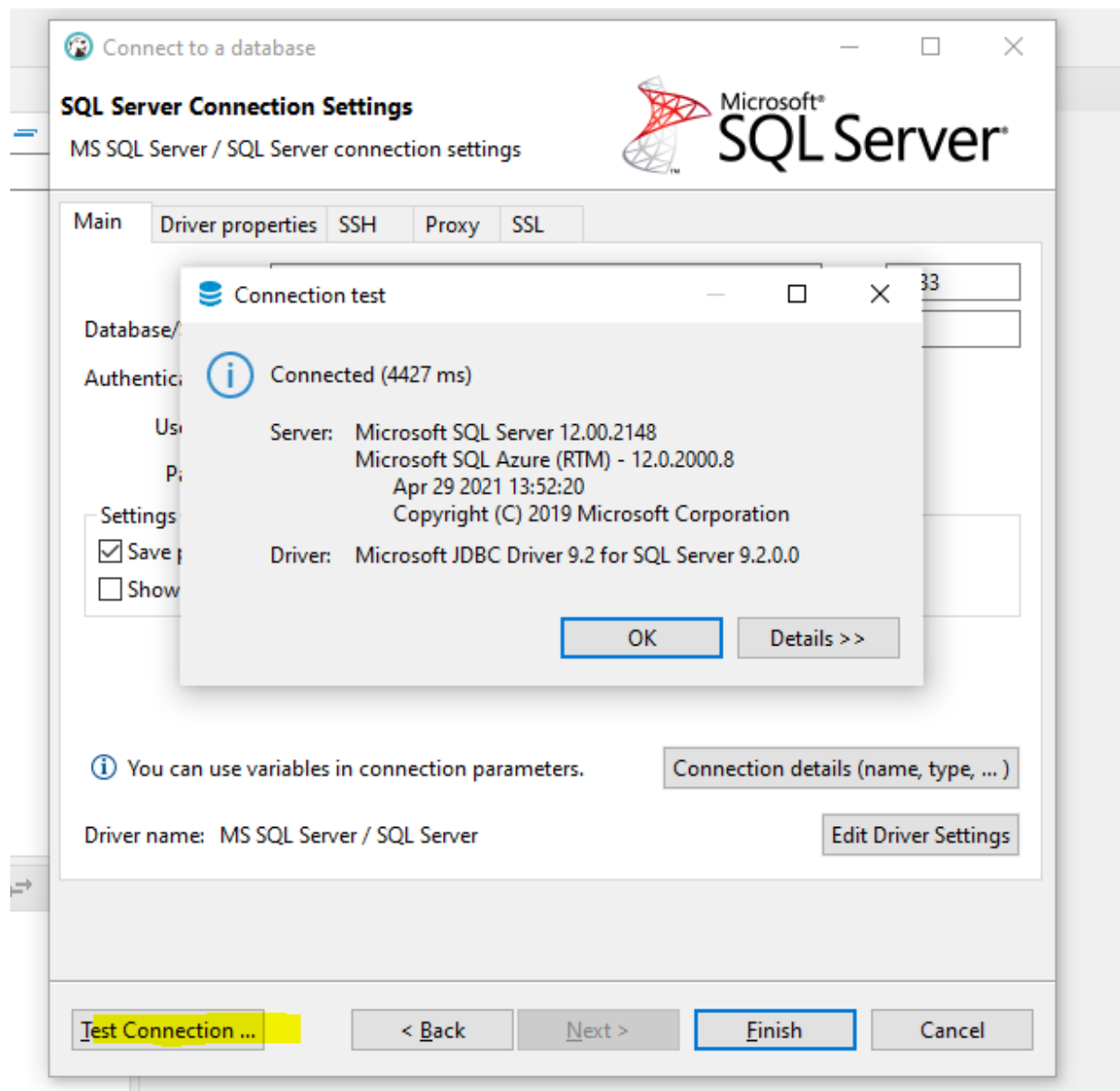
dbeaver

Download dbeaver and connect using above connection details and perform db operation for better IDE features

<https://dbeaver.io/download/>







DBeaver 21.1.2 - <none> Script

File Edit Navigate Search SQL Editor Database Window Help

Auto sathi-azuresql dbo@sathi-azuresql

Database Navigator Projects

Enter a part of object name here

- sathi-azuresql - sathiazaresql.database.windows.net:1433
 - master
 - Schemas
 - Database triggers
 - Administration
 - sathi-azuresql
 - Schemas
 - dbo
 - Tables
 - Books 72K
 - Columns
 - Unique Keys
 - Check constraints
 - Foreign Keys
 - Indexes
 - References
 - Triggers
 - Extended Properties
 - Views
 - Indexes

Project - General

Name DataSource

Bookmarks ER Diagrams Scripts

SQL Editor

```
SELECT Name, Author, ISBN, Price, Numberofcopiesavailable
FROM [sathi-azuresql].dbo.Books;
```

Results 1

SELECT Name, Author, ISBN, Price, Num Enter a SQL expression to filter results (use Ctrl+Space)

	ABC Name	ABC Author	123 ISBN	123 Price	123 Numberofcopiesavailable
1	Pet Semetary	Stephen King	11,011,123	437	
2	The Shining	Stephen King	11,679,532	345	
3	The Haunting on Hill House	Shirley Jackson	11,659,042	550	
4	Dracula	Bram Stoker	11,011,666	250	
5	At the Mountains of Madness	H.P. Lovecraft	1,145,873	599	
6	Madness Psycho	Robert Bloch	1,167,903	399	
7	The Silence of the Lambs	Thomas Harris	1,178,902	350	
8	A Head Full of Ghosts	Paul Trembley	1,167,902	450	
9	Carrie	Stephen King	1 180 450	300	

Value Pet Semetary

Save Cancel Script 200 10 10 row(s) fetched