Output and Screenshots

Create a SQL Database

Azure services accounts Give the required details **Create SQL Database** Microsoft Basics Networking Security Additional settings Tags Review + create Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. Learn more a Project details Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources. Subscription * ① Simplilearn HOL 100500 Resource group * ① ODL-azure-1105040 Create new Database details Enter required settings for this database, including picking a logical server and configuring the compute and storage resources BlogTrackerDb Database name * Server * ① (new) newsqlserver3058 (East US) Create new Yes No Want to use SQL elastic pool? ① Development Workload environment Production 1 Default settings provided for Development workloads. Configurations can be modified as needed.

Review + create

Compute + storage * ①

Next : Networking >

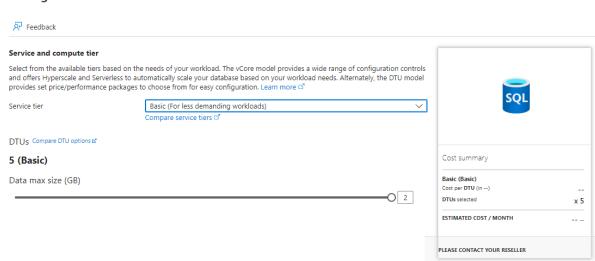
Basic

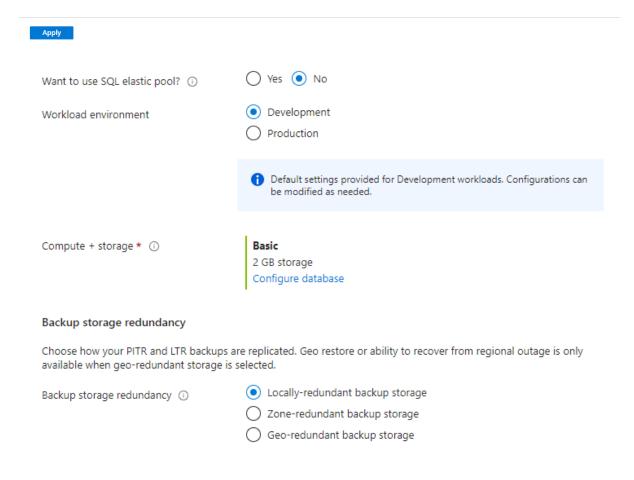
Choose the tier

Configure

Review + create

Next : Networking >





Click Create

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Product details

SQL database Estimated cost per month by Microsoft

Terms of use | Privacy policy

Terms

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. For additional details see Azure Marketplace Terms.

Basics

Subscription Simplilearn HOL 100500
Resource group ODL-azure-1105040

Region East US

Database name BlogTrackerDb

Server (new) newsqlserver3058
Authentication method SQL authentication

Server admin login admin123

Compute + storage Basic: 2 GB storage

Backup storage redundancy Locally-redundant backup storage

Networking

Allow Azure services and resources to No

access this server

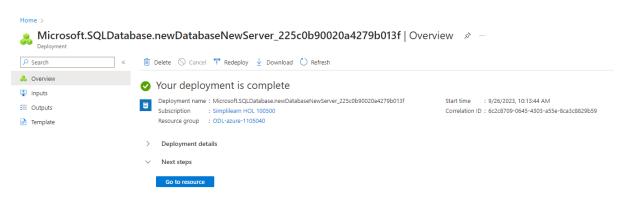
Private endpoint None
Minimum TLS version 13

Create

< Previous

Download a template for automation

Deployment complete



Set firewall

Public access	Private access	Connectivity							
Public network Public Endpoints		resource through the	internet using a pub	lic IP address. A	An applicat	tion or resource that	is granted access w	ith the following	
Public network a		O Disable							
		Selected r							
		i Connection							
		i Please sav	Please save public network access value before adding new virtual networks.						
Virtual network	cs								
Allow virtual net	works to connect to y	our resource using se	rvice endpoints. Lea	rn more⊡					
+ Add a virtu	al network rule								
Rule	Virtual network	Subnet	Address range	Endpoint st	atus	Resource group	Subscription	State	
Firewall rules Allow certain pub	olic internet IP addre	sses to access your re:	source. Learn more	1					
+ Add your cl	lient IPv4 address (49	.37.217.234) + Ad	ld a firewall rule						
Rule name		Start IPv4	Start IPv4 address		End IPv4 address				
ClientIPAddre	ClientlPAddress_2023-9-26_10-17-20 49.37.217.0				49.37.	.217.234		iii	
Exceptions									
✓ Allow Azure	services and resourc	es to access this serve	r①						
Save	Discard								

Use the SQL authentication credentials

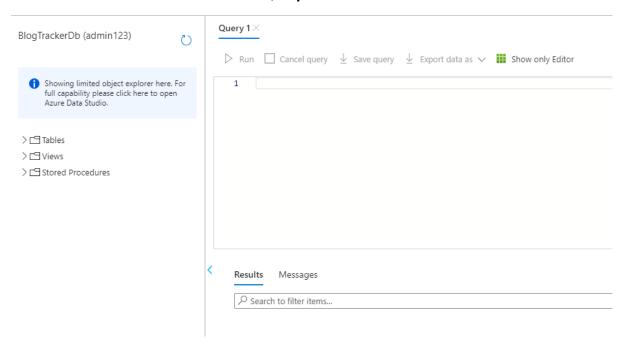
Query editor (preview) is a tool to run SQL queries against Azure SQL Database in the Azure portal. It is designed for lightweight querying and object exploration in your database. For more information and troubleshooting, Learn more



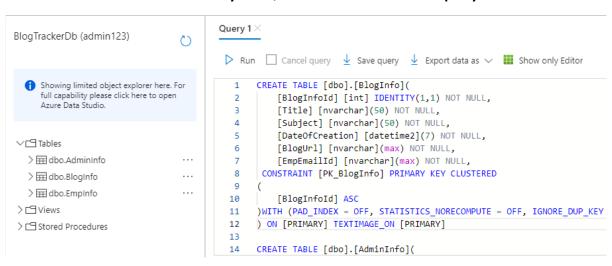
Welcome to SQL Database Query Editor

SQL server authentication	Microsoft Entra authentication				
Login *	Continue as odl_user_1105040@simplile				
Password *	OR				
ОК					

Query Window



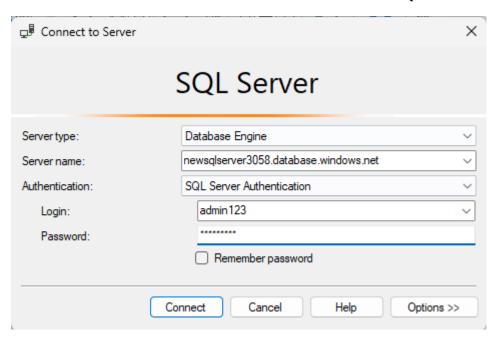
As I created the table already in SQL Server I used the same query to create this



Connection string



Connect the server name in the Azure SQL database



Blog Landing page



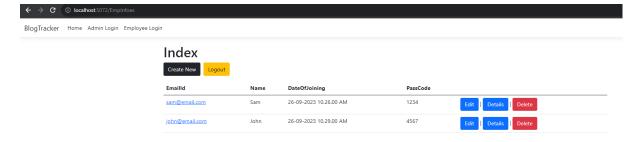
Admin Login page



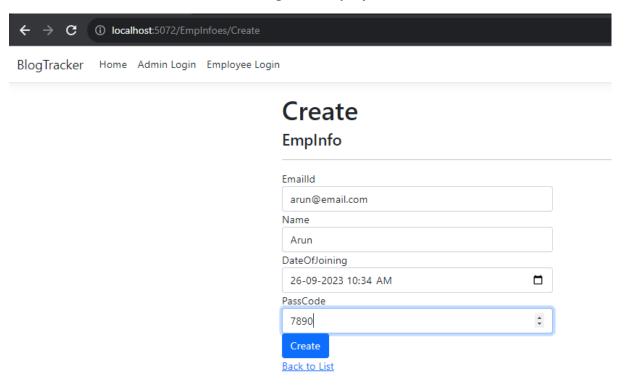
Incorrect password



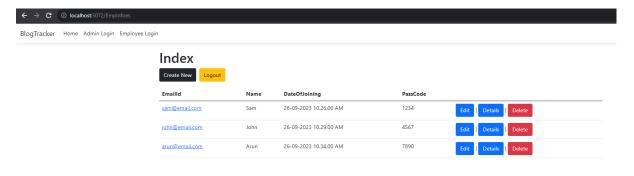
After putting correct password, adding new employee page



Adding new employee



After adding new Employee



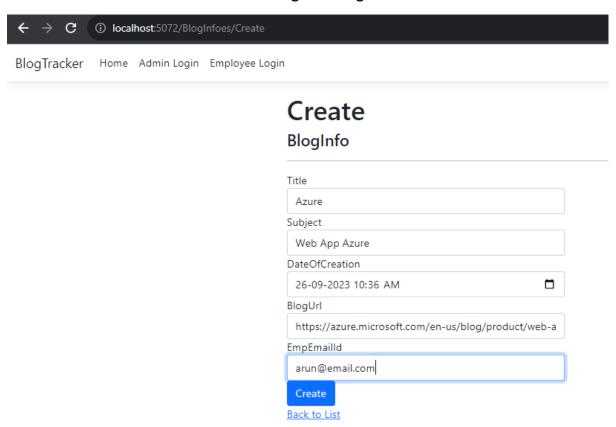
Employee Login



Wrong Password



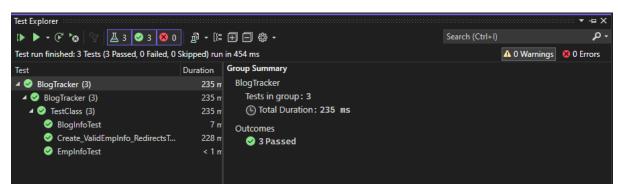
Adding new Blog



After adding new blog



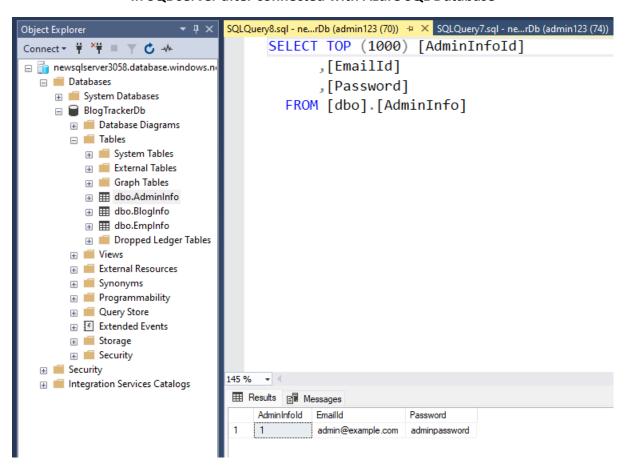
Test case passed

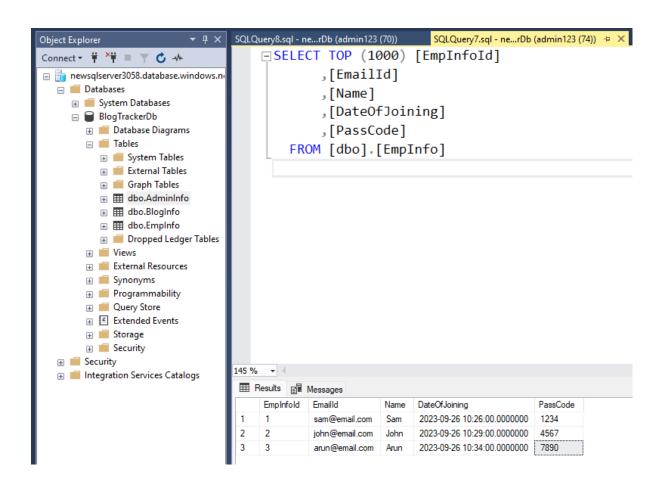


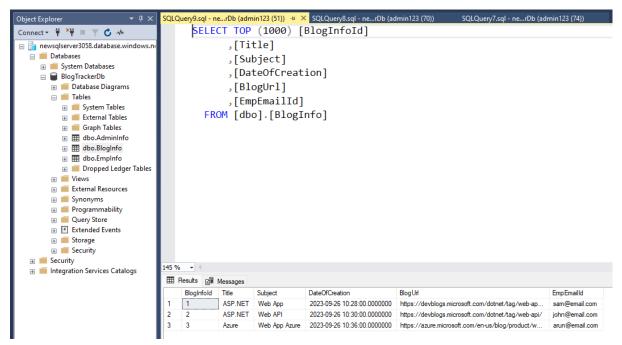
In the API after changing some values

```
{
    "blogInford": 3,
    "title": "Mew Blog",
    "subject": "App.Nel",
    "dateofcreation": "2023-09-25T13:52:00",
    "blogInford": 2,
    "title": "another Blog",
    "aubject": "Mex Blog",
    "aubject": "Mex Blog",
    "aubject": "Mex Blog",
    "aubject": "Mex Blog",
    "blogInford": 2,
    "title": "Monther Blog",
    "blogInford": 3,
    "title": "App.Nel",
    "aubject": "Mex Blog",
    "blogInford": 3,
    "title": "App.Nel",
    "subject": "Mex Blog",
    "dateofcreation": "App.Nel",
    "subject "App.Nel",
    "dateofcreation": "App.Nel",
    "dateofcreation": "App.N
```

In SQL server after connected with Azure SQL Database







Docker running

