

Create a logic apps for receiving a json array (Employee records) using Rest end point and save each record in Azure SQL database .

Create Logic Apps

Microsoft Azure

Search resources, services, and docs

Home > App Services > Web > Logic App > Logic App

Logic App

Create

* Name
mycom-logic-app-dev ✓

* Subscription
Visual Studio Ultimate with MSDN

* Resource group ⓘ
☒ Create new ☐ Use existing
mycom-logic-app-dev ✓

* Location
West India

Log Analytics ⓘ

i You can add triggers and actions to your Logic App after creation.

Create Automation options

Create a Azure SQL database and database server.

The screenshot shows the Azure portal interface for creating a new SQL database and server. The left sidebar contains navigation links: 'Create a resource', 'All services', 'FAVORITES', 'Dashboard', 'Resource groups', 'All resources', 'Recent', 'App Services', 'SQL databases', 'Virtual machines (classic)', 'Virtual machines', 'Cloud services (classic)', 'Subscriptions', 'App Service plans', 'Azure Active Directory', 'Monitor', 'Security Center', and 'Cost Management + Bill...'. The main content area is divided into three panels: 'SQL Database', 'Server', and 'New server'.

SQL Database configuration:

- Database name: mycom-sql-database-dev
- Subscription: Visual Studio Ultimate with MSDN
- Resource group: mycom-logic-app-dev
- Select source: Blank database
- Server: Configure required settings
- Want to use SQL elastic pool?: Not now
- Pricing tier: Configure required settings
- Collation: Configure required settings

Server configuration:

- Server name: mycom-sql-server-dev
- Server admin login: dev-administrator
- Password: [masked]
- Confirm password: [masked]
- Location: West India
- Allow Azure services to access server: [checked]
- Advanced Threat Protection: Start FREE Trial

New server configuration:

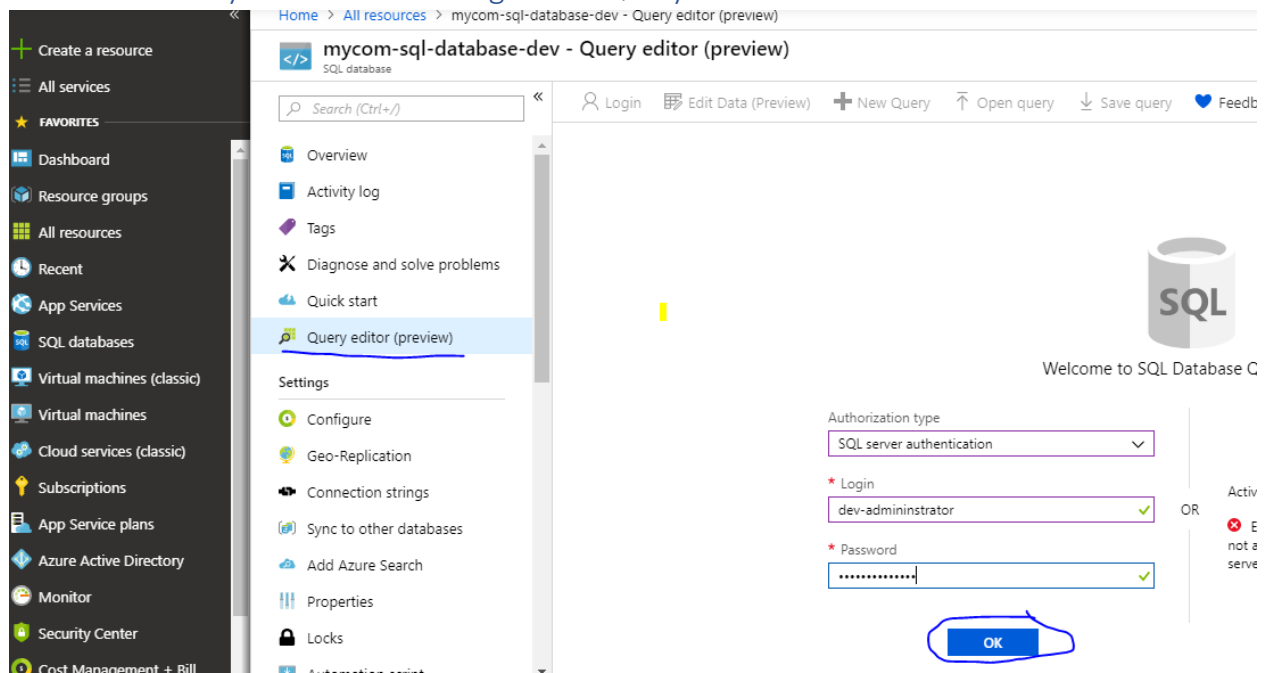
- Server name: mycom-sql-server-dev
- Server admin login: dev-administrator
- Password: [masked]
- Confirm password: [masked]
- Location: West India
- Allow Azure services to access server: [checked]
- Advanced Threat Protection: Start FREE Trial

3 resources created in your resource group now

The screenshot shows the 'All resources' page in the Azure portal. The left sidebar is the same as the previous screenshot. The main content area shows a table of resources with columns: NAME, RESOURCE GROUP, LOCATION, and SUBSCRIPTION. The table contains 3 records.

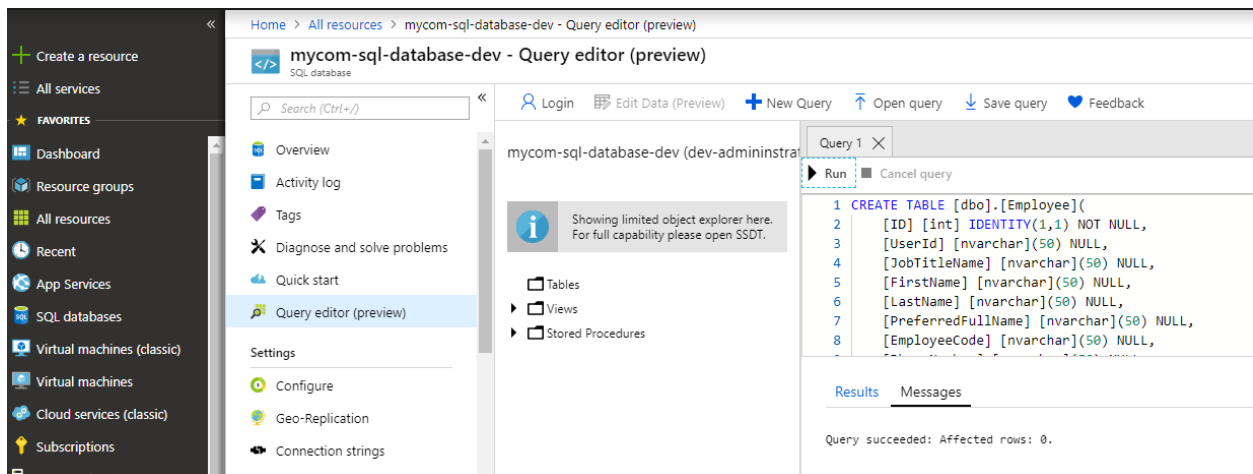
NAME	RESOURCE GROUP	LOCATION	SUBSCRIPTION
mycom-logic-app-dev	mycom-logic-app-dev	West India	Visual Studio Ultimate with MSDN
mycom-sql-database-dev (mycom-sql-server-dev/mycom-sql-datab...	mycom-logic-app-dev	West India	Visual Studio Ultimate with MSDN
mycom-sql-server-dev	mycom-logic-app-dev	West India	Visual Studio Ultimate with MSDN

Create Table in your database using Azure Query editor

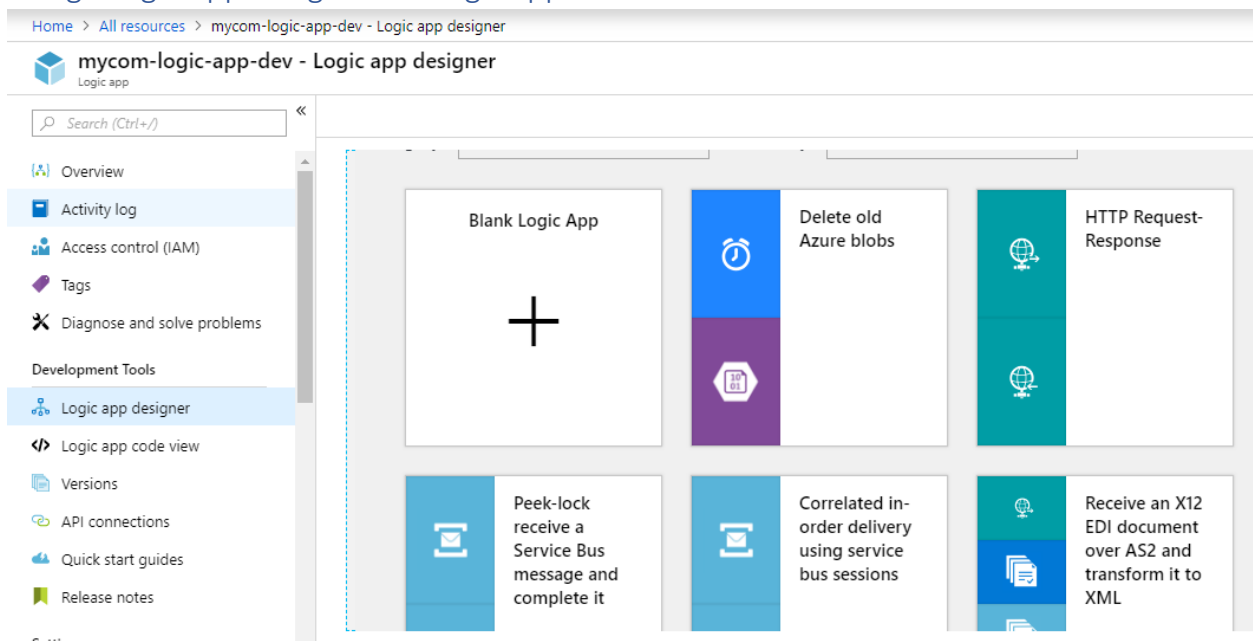


Query:

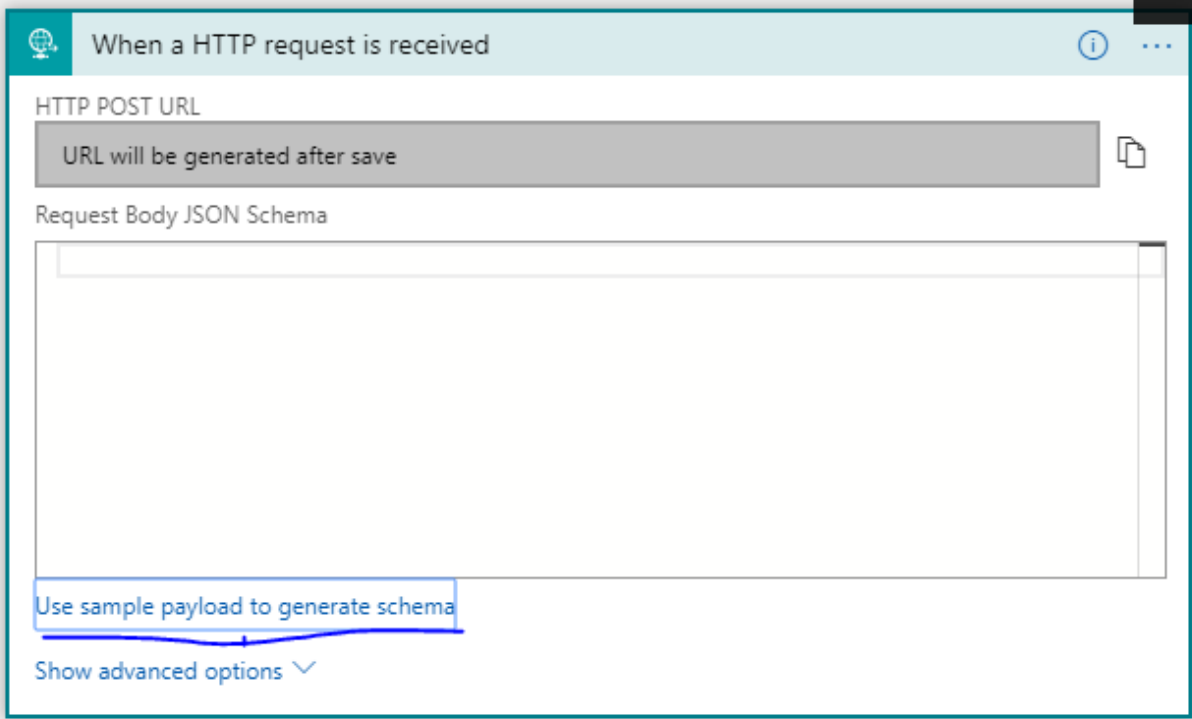
```
CREATE TABLE [dbo].[Employee] (  
    [ID] [int] IDENTITY(1,1) NOT NULL,  
    [UserId] [nvarchar](50) NULL,  
    [JobTitleName] [nvarchar](50) NULL,  
    [FirstName] [nvarchar](50) NULL,  
    [LastName] [nvarchar](50) NULL,  
    [PreferredFullName] [nvarchar](50) NULL,  
    [EmployeeCode] [nvarchar](50) NULL,  
    [PhoneNumber] [nvarchar](50) NULL,  
    [EmailAddress] [nvarchar](50) NULL  
  
    CONSTRAINT [PK_Employee] PRIMARY KEY CLUSTERED  
    (  
        [ID] ASC  
    )  
)
```



Design Logic App using a blank logic app



We are using HTTP end point as trigger so that you can trigger or call your logic apps through a URL.



When a HTTP request is received

HTTP POST URL

URL will be generated after save

Request Body JSON Schema

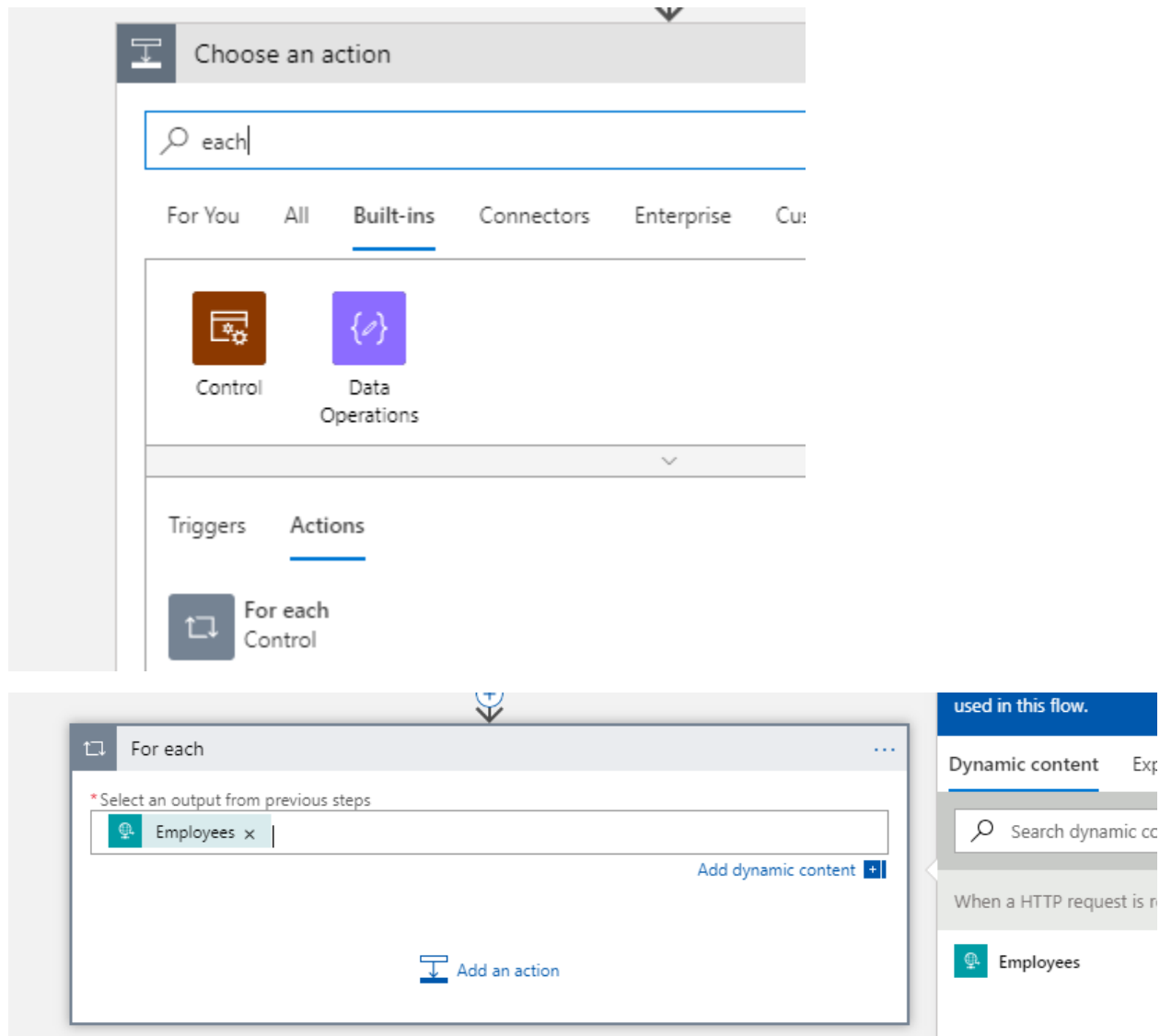
Use sample payload to generate schema

Show advanced options ▾

Employees sample JSON Payload

```
{
  "Employees" : [
    {
      "userId": "rirani",
      "jobTitleName": "Developer",
      "firstName": "Romin",
      "lastName": "Irani",
      "preferredFullName": "Romin Irani",
      "employeeCode": "E1",
      "region": "CA",
      "phoneNumber": "408-1234567",
      "emailAddress": "romin.k.irani@gmail.com"
    }
  ]
}
```

Next choose foreach control



Now add action inside foreach loop (SQL Connection).

Insert row

* Connection Name
sql-insert-employees

* SQL Database Name

Name	Resource Group	Location
master	mycom-logic-app-dev	West India
mycom-sql-database-dev	mycom-logic-app-dev	West India

* Username
dev-administrator

* Password

☐ Connect via on-premise data gateway ⓘ

Create

[Manually enter connection information](#)

Map json with Table Column

* Table name
Employee

UserId
userid

JobTitleName
jobTitleName

FirstName
firstName

LastName
lastName

PreferredFullName
preferredFullIN...

EmployeeCode
employeeCode

PhoneNumber
phoneNumber

EmailAddress

Dynamic content Expression 100%

Search dynamic content

For each

Current item
Current item

When a HTTP request is received

emailAddress

employeeCode

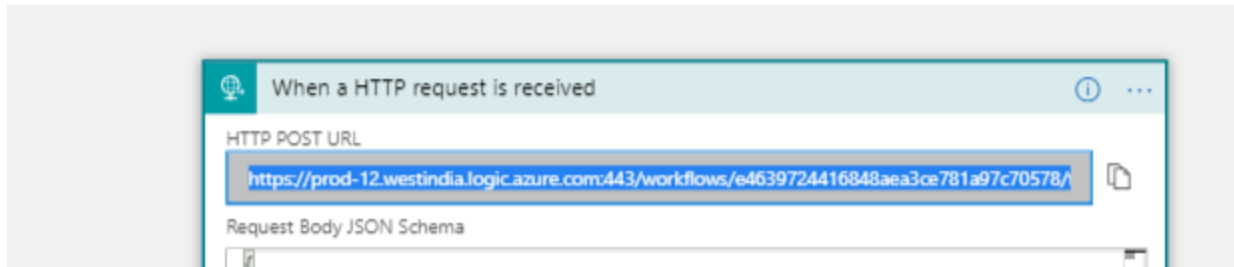
firstName

jobTitleName

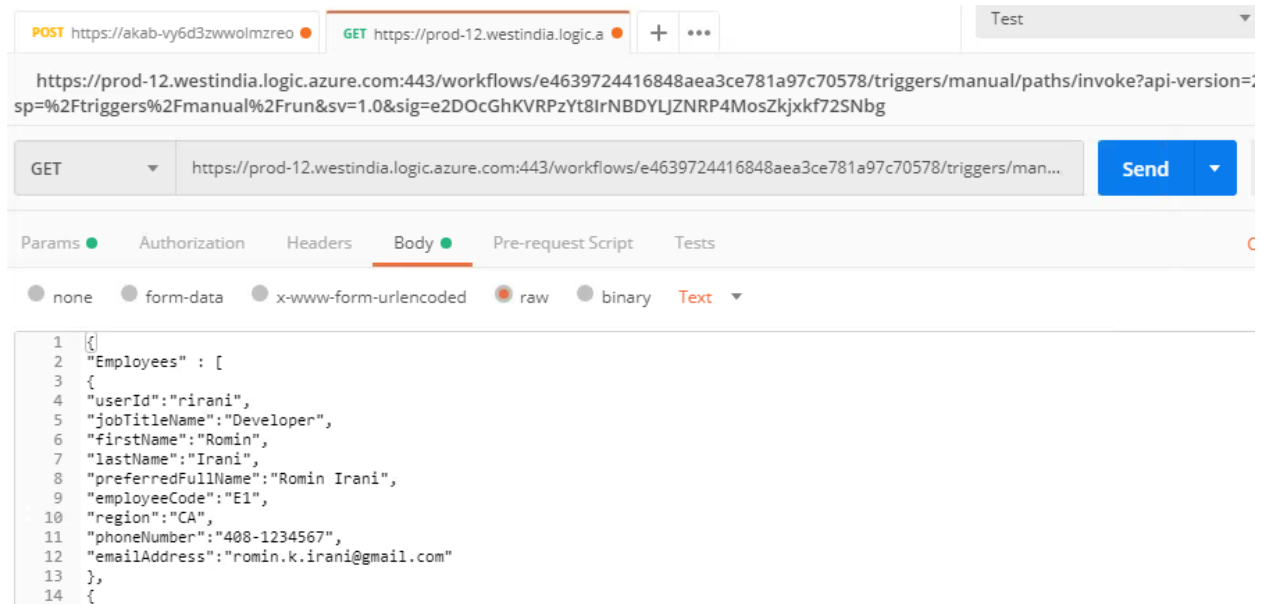
lastName

Save the logic app .

It will generate the end point for your logic app .



Test Logic app using postman (must set content type as json).



► Run ■ Cancel query

```
1 Select * from Employee
```

Results Messages

2	rirani	Developer	Romin
3	nirani	Developer	Neil
4	thanks	Program Directory	Tom

Create API gateway for logic apps using Azure API Management.

+

Create a resource

☰ All services

★ FAVORITES

Dashboard

Resource groups

All resources

Recent

App Services

SQL databases

Virtual machines (classic)

Virtual machines

Cloud services (classic)

Subscriptions

App Service plans

Azure Active Directory

Monitor

Security Center

Cost Management + Bill...

Home > All resources > New > API management > API Management service

API Management service

* Name

mycom-api-dev ✓
.azure-api.net

* Subscription

Visual Studio Ultimate with MSDN ▼

* Resource group

mycom-logic-app-dev ▼
[Create new](#)

* Location

West India ▼

* Organization name ⓘ

mycom ✓

* Administrator email ⓘ

mohit_gupta_akgec@hotmail.com


Pricing tier ([View full pricing details](#))

Developer (No SLA) ▼

Create

Automation options

Create API in API management and point to logic apps

 **mycom-api-dev - APIs**
API Management service

[Publisher portal](#) [Developer portal](#)


☐ Group by tag


[+ Add API](#)


All APIs


Echo API ...


Add a new API



Blank API
Create an empty API



OpenAPI specification
Standard, language-agnostic interface to REST APIs


WADL
Standard XML representation of your RESTful API


WSD
Standards-based Web Services


Logic App
Scalable hybrid integrations and workflows.


API App
API hosted on App Service.


Function App
Serverless, event driven experience on App Service.

Create from Logic App

Basic | **Full**

* Logic App

mycom-logic-app-dev

Browse

* Display name

mycom-logic-app-dev

* Name

mycom-logic-app-dev

API URL suffix

e.g. httpbin

Products

No products selected

Create

Cancel