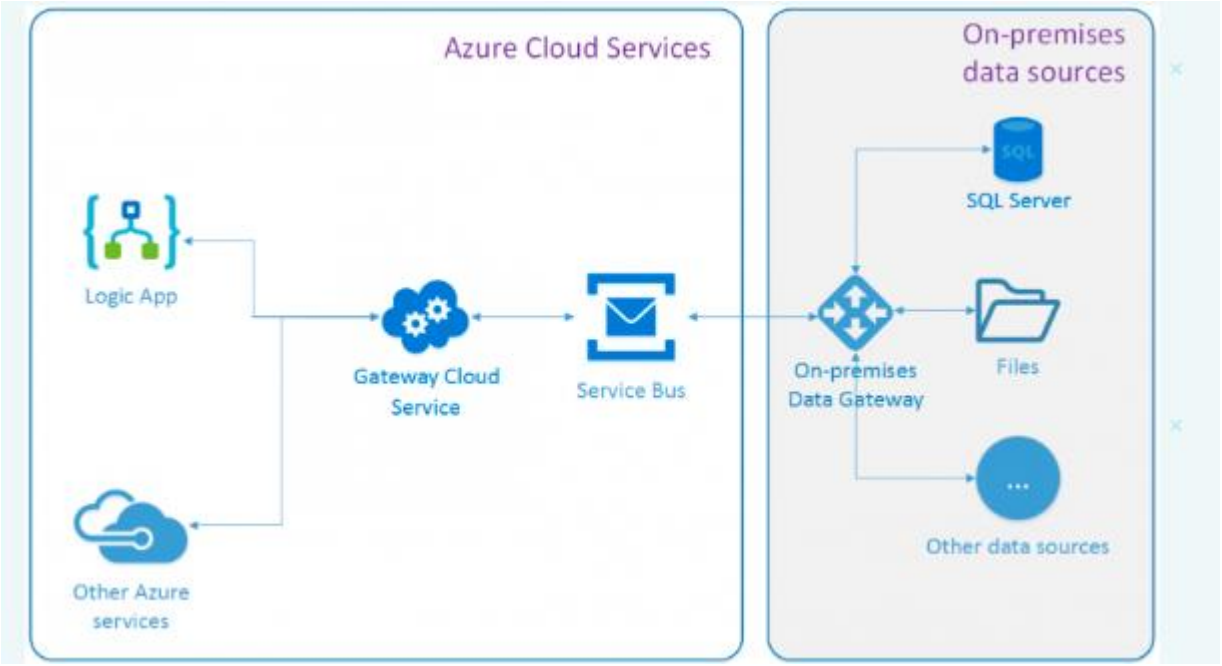
Connect Logic App with On-Prem

Overview:

This article gives you an overview of how to connect your azure cloud services with on premise resources

On prem gateway act as a bridge between your on-premise data resource and your Azure cloud services

How it works:

- Azure Gateway use Azure service bus as an intermediate between cloud services and on prem gateway service
- Azure Gateway sends query to service bus
- On-Prem gateway service polls for service bus for all request
- On-Prem gateway fetch and execute query.
- On-prem gateway sends result back to service Bus
- 

Limitation :

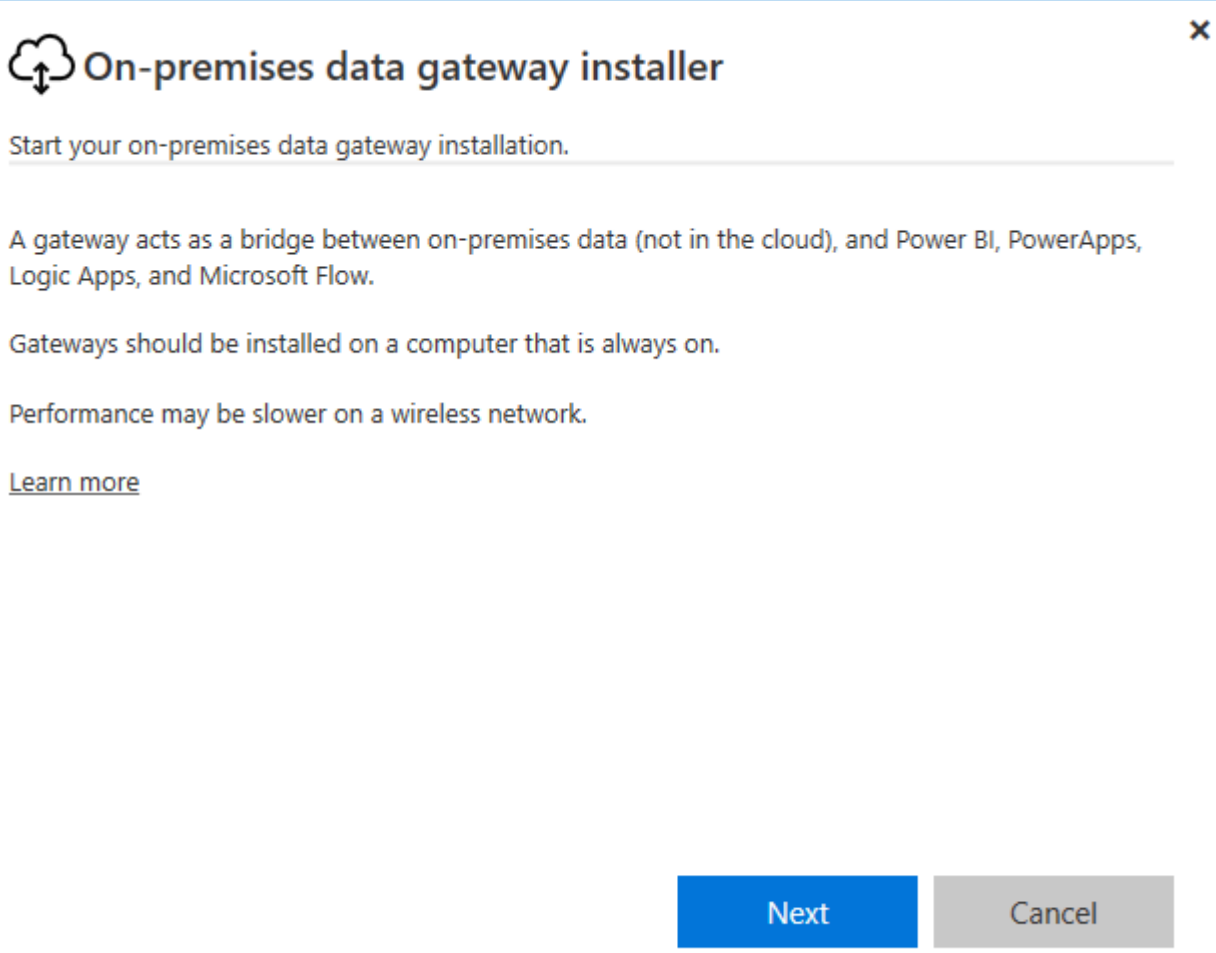
There are some limitation of SQL connector in Logic app

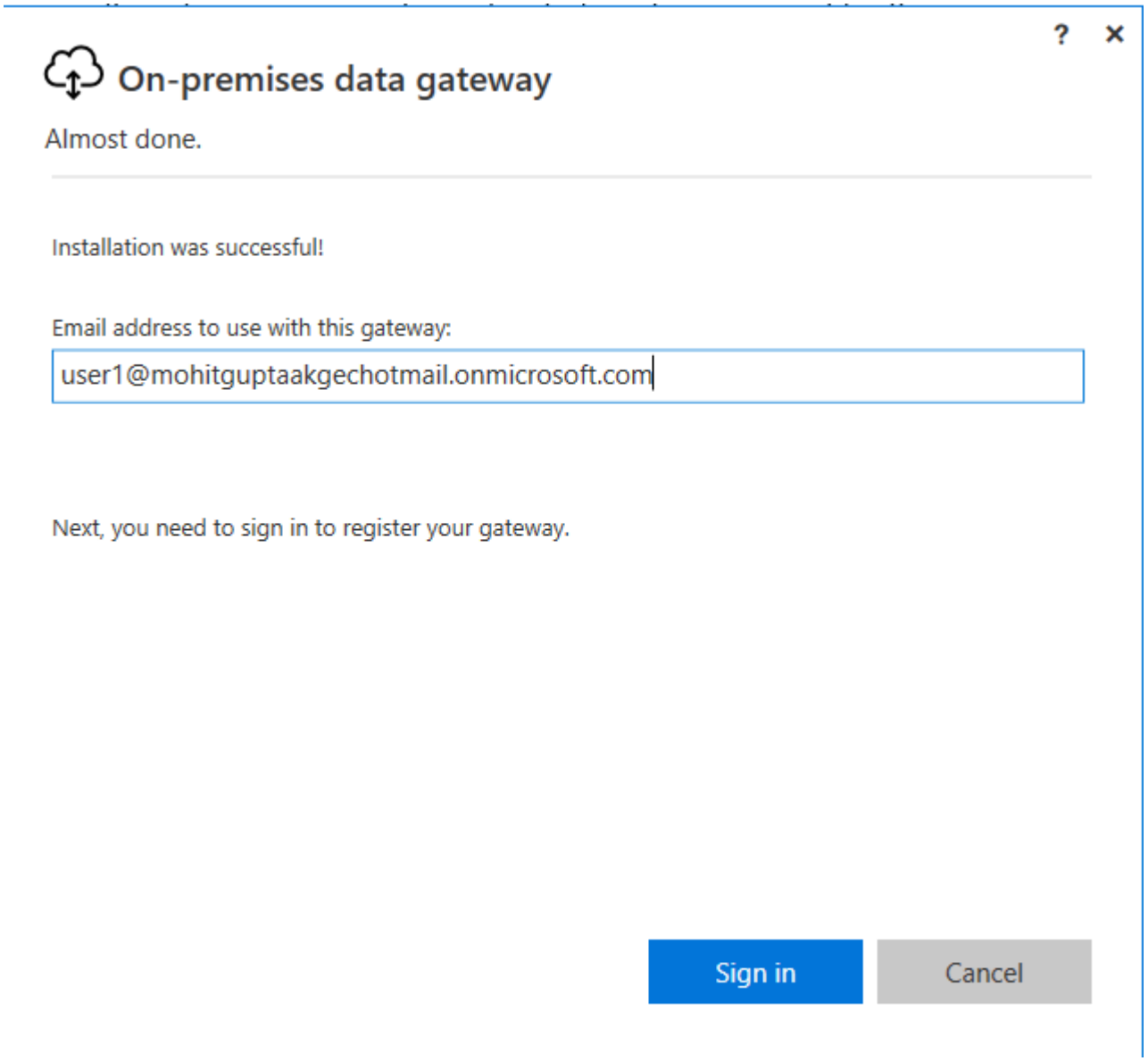
- The response size limit is 8MB through on-premises SQL server.
- The request size limit is 2MB through on-premises SQL server.
- SQL native query is not supported for on-premises SQL server.

- It only support 100 calls in 10 secs

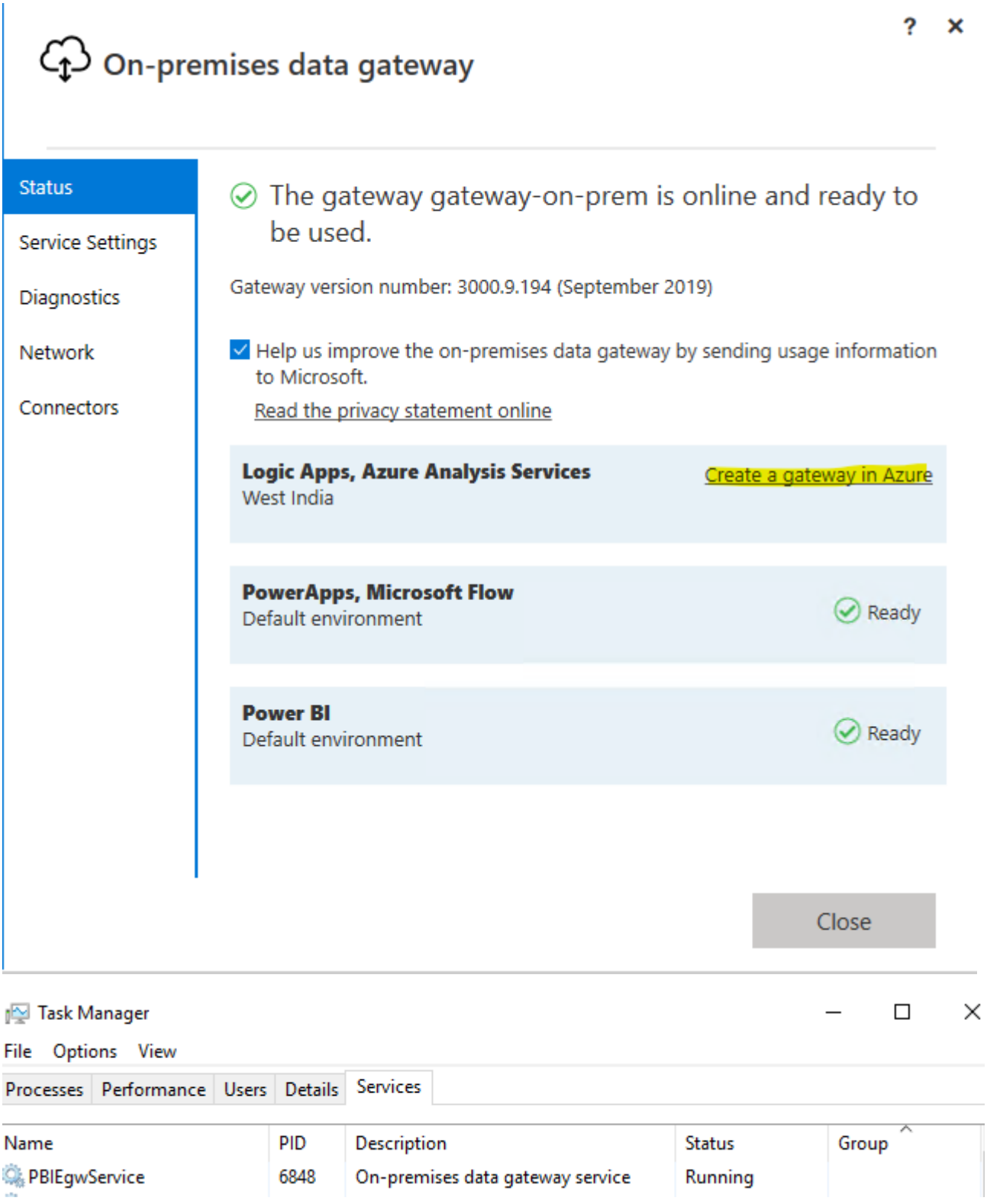
https://docs.microsoft.com/en-us/connectors/sql/

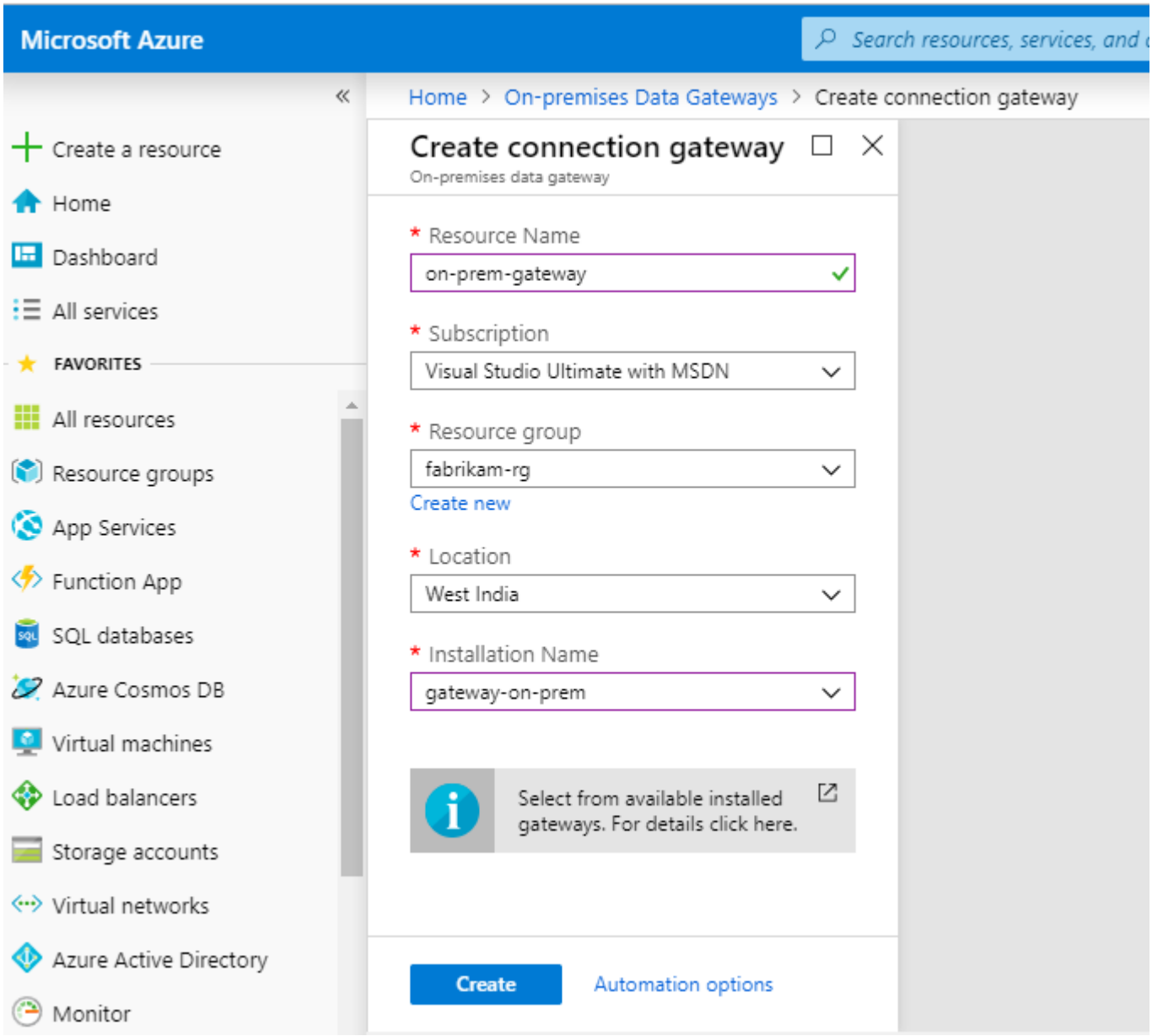
Install On-Prem Gateway



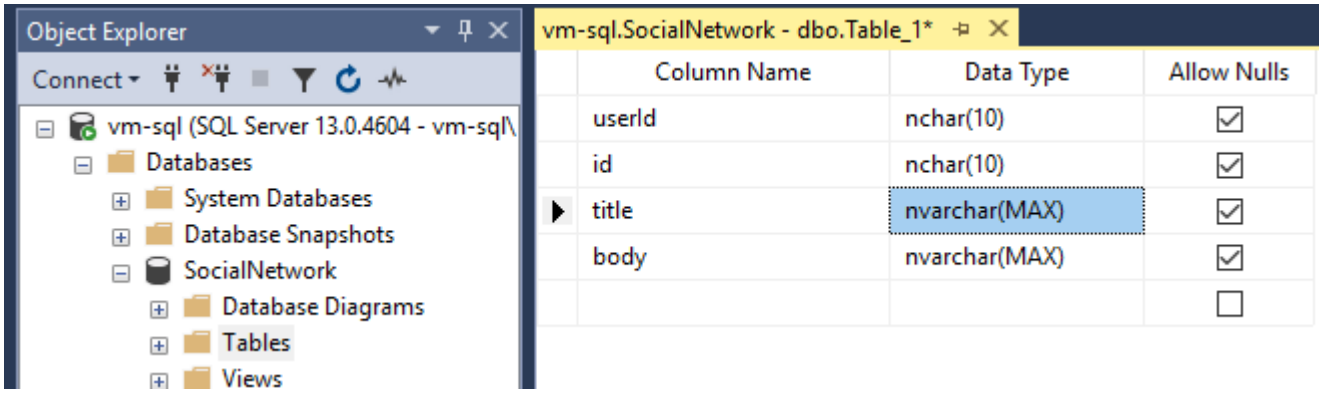

On-premises data gateway
Almost done.
Installation was successful!
Email address to use with this gateway:
user1@mohitguptaakgechotmail.onmicrosoft.com
Next, you need to sign in to register your gateway.
Sign in
Cancel

Create Gateway on Azure

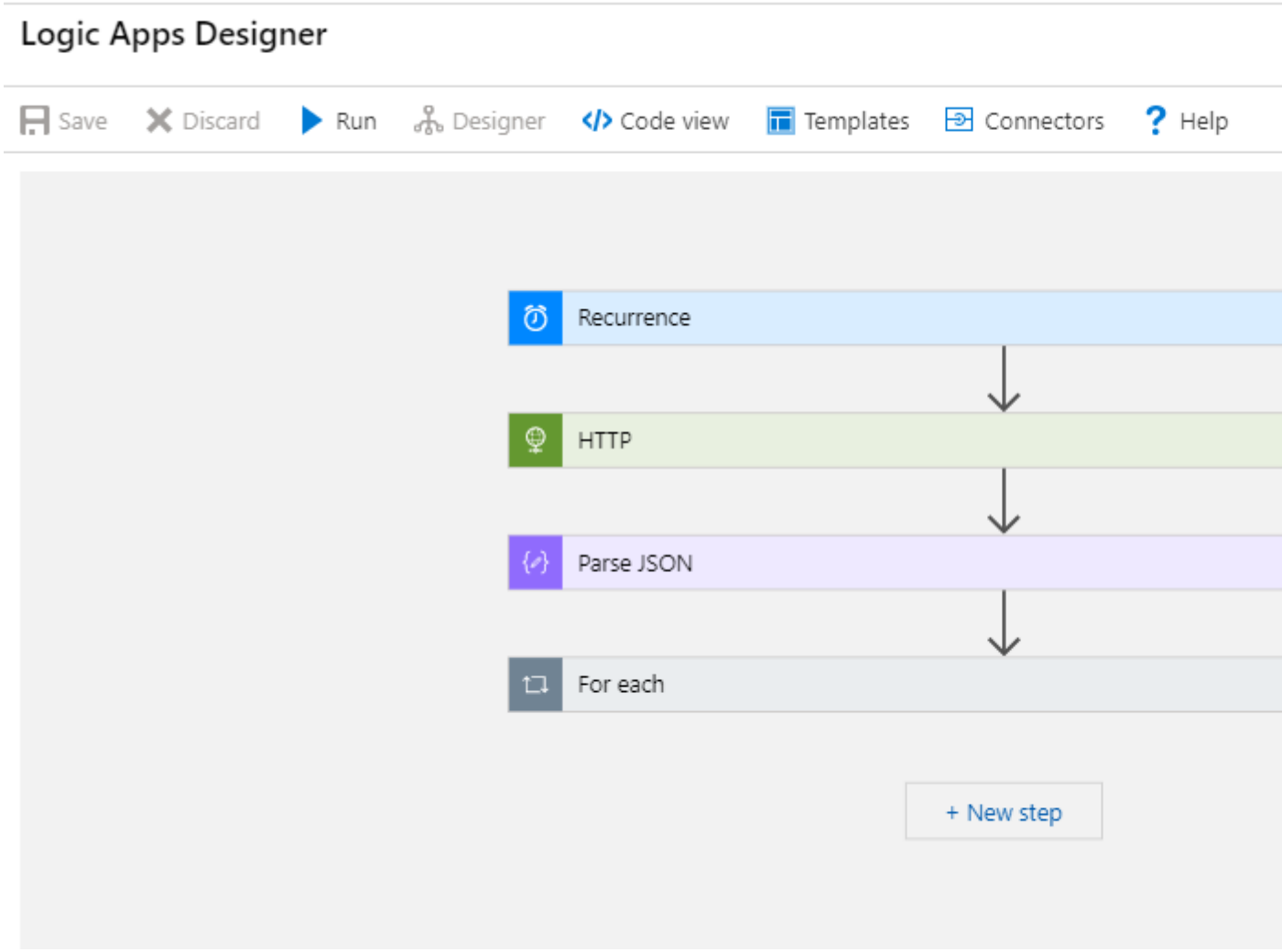




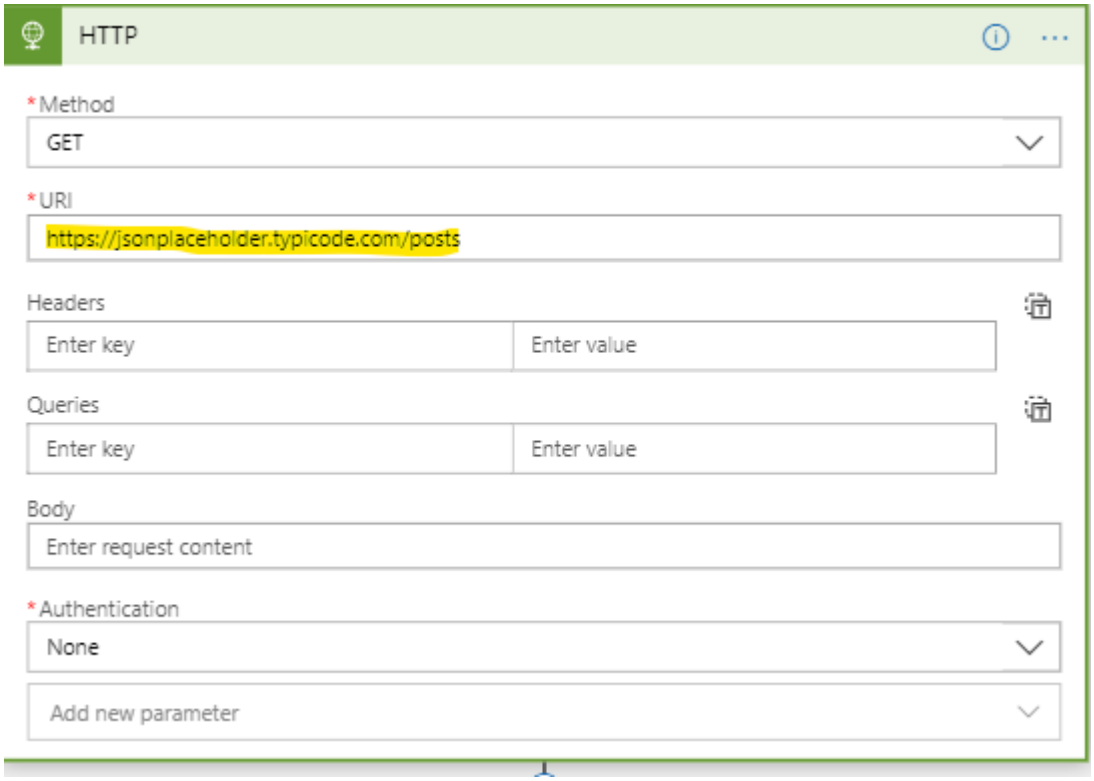
Create new table in on-prem database



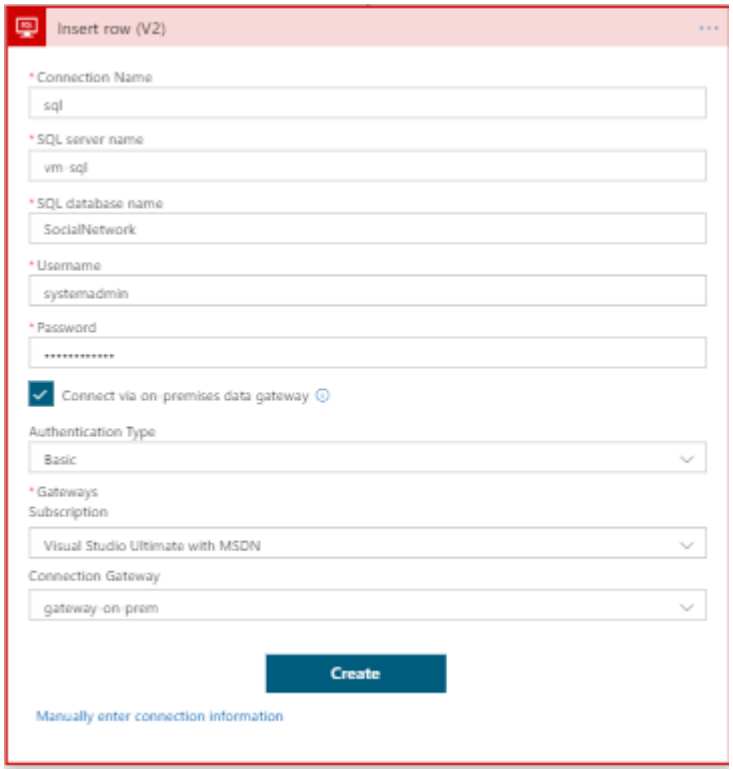
Create logic app to connect with on-prem SQL Server



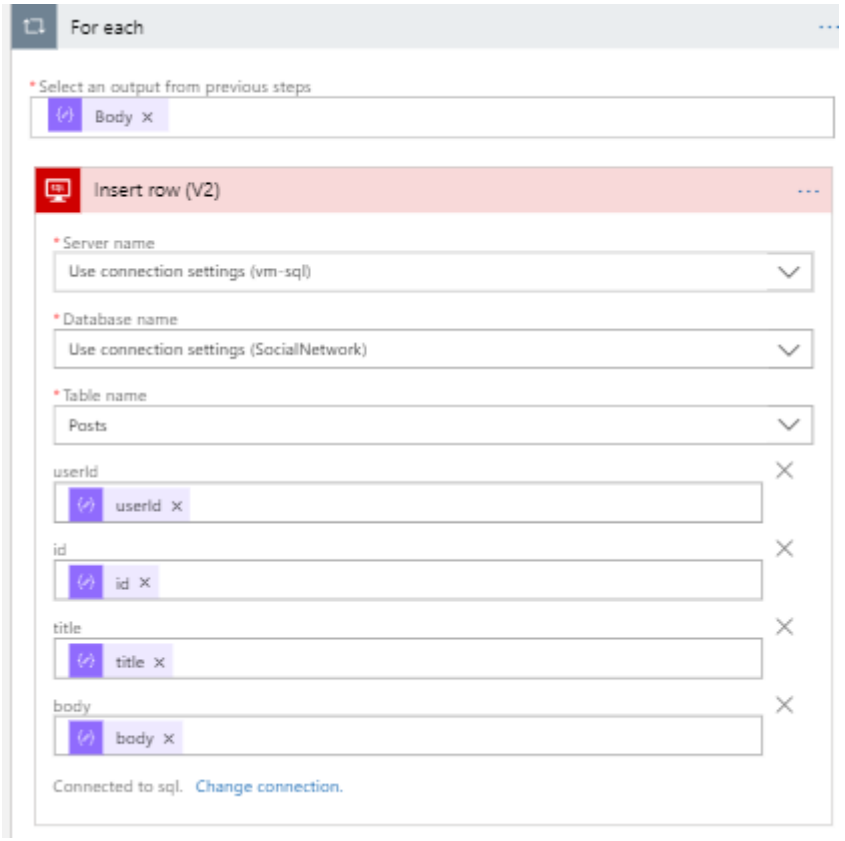
Http Action Setting : Use Fake API



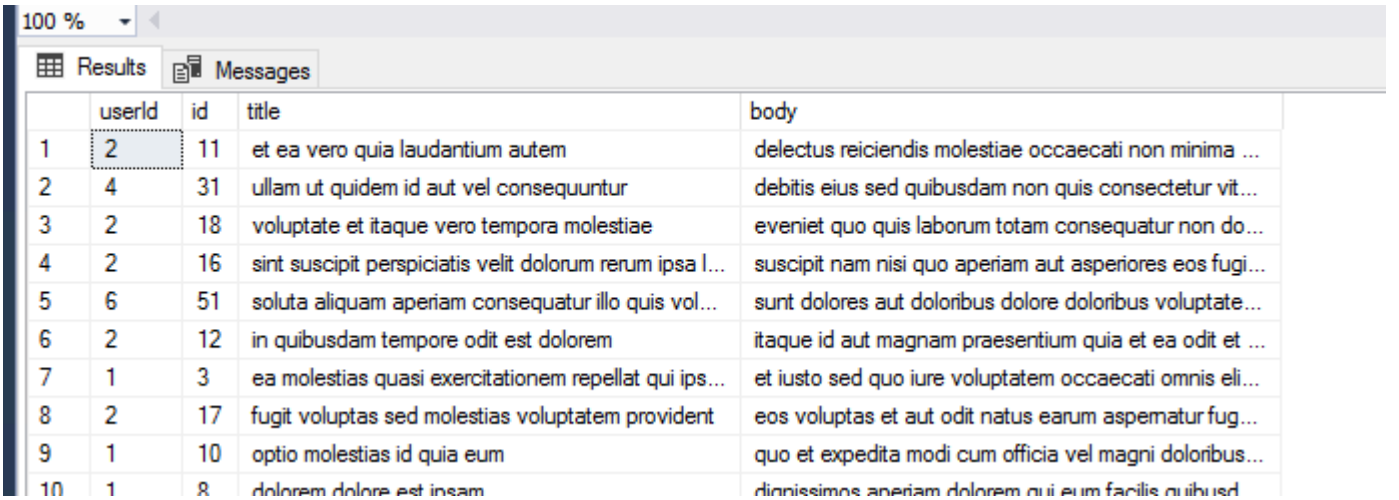
SQL Connector on-prem Setting:



Specify parameter from Json Parsor to Table columns



Test Result :



100 %

Results | Messages

	userId	id	title	body
1	2	11	et ea vero quia laudantium autem	delectus reiciendis molestiae occaecati non minima ...
2	4	31	ullam ut quidem id aut vel consequuntur	debitis eius sed quibusdam non quis consectetur vit...
3	2	18	voluptate et itaque vero tempora molestiae	eveniet quo quis laborum totam consequatur non do...
4	2	16	sint suscipit perspiciatis velit dolorum rerum ipsa l...	suscipit nam nisi quo aperiam aut asperiores eos fugi...
5	6	51	soluta aliquam aperiam consequatur illo quis vol...	sunt dolores aut doloribus dolore doloribus voluptate...
6	2	12	in quibusdam tempore odit est dolorem	itaque id aut magnam praesentium quia et ea odit et ...
7	1	3	ea molestias quasi exercitationem repellat qui ips...	et iusto sed quo iure voluptatem occaecati omnis eli...
8	2	17	fugit voluptas sed molestias voluptatem provident	eos voluptas et aut odit natus earum aspernatur fug...
9	1	10	optio molestias id quia eum	quo et expedita modi cum officia vel magni doloribus...
10	1	8	dolorem dolore est ipsam	dignissimos aperiam dolorem qui eum facilis quibusd