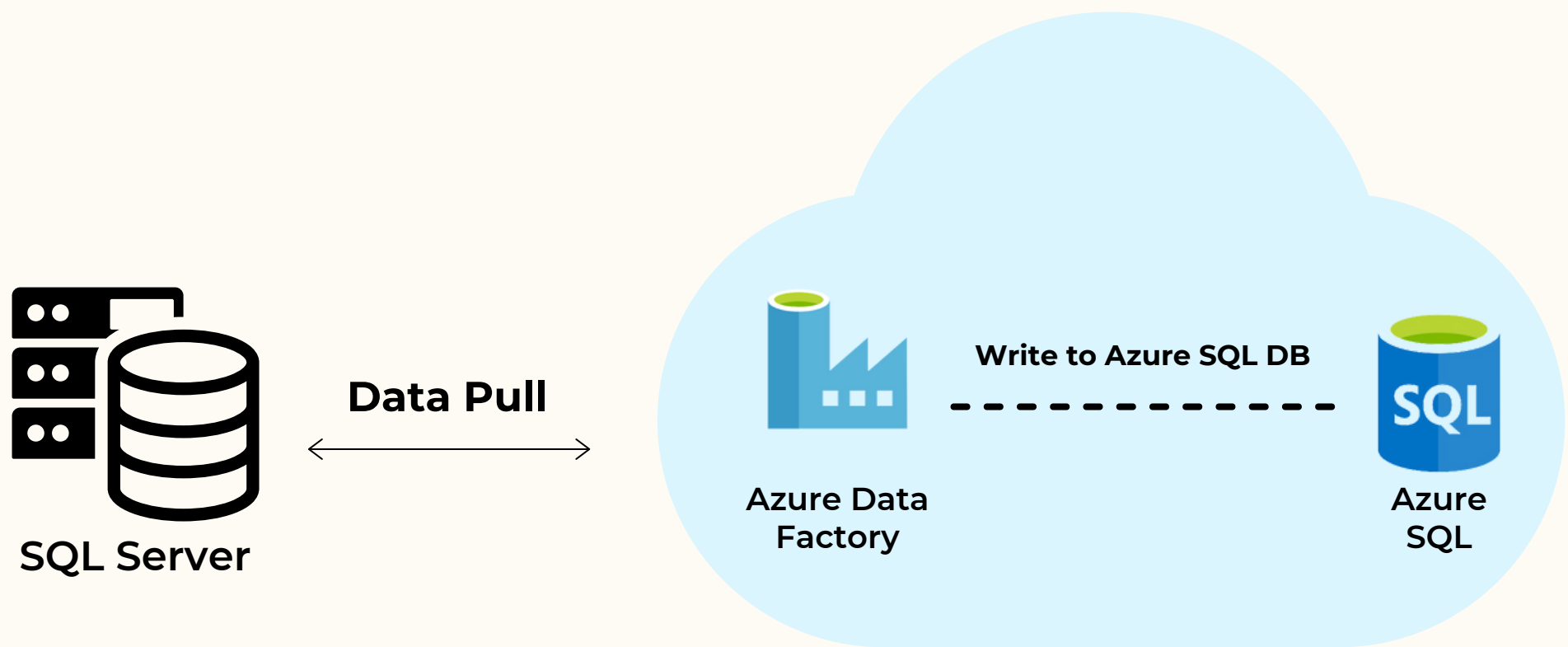


Learn How to **Migrate On-Premise SQL Data to Azure SQL Using Azure Data Factory!**



Follow For More..... SHUBHAM!



Make linked service for MS SQL and Azure SQL DB

MS SQL Configuration:

Edit linked service (SQL Server)

Name *
SqlServer2

Description

Connect via integration runtime * ⓘ
integrationRuntime1

Connection string Azure Key Vault

Server name *
LAPTOP-TP7PUK15

Database name *
AdventureWorks2016

Authentication type
Windows authentication

Azure SQL DB Configuration:

Edit linked service (Azure SQL Database)

Name
AzureSqlDatabase4

Description

Connect via integration runtime * ⓘ
AutoResolveIntegrationRuntime

Connection string Azure Key Vault

Account selection method ⓘ
☐ From Azure subscription ☒ Enter manually


Fully qualified domain name *
testadf.database.windows.net





Database name *
ABC
[Add dynamic content \[Alt+P\]](#)

Authentication type *
SQL authentication

Configure Lookup Activity

Lookup

 Lookup1


   

General


Settings

User properties

Source dataset *

 listtables

▼



Use query

☐ Table ☒ Query ☐ Stored procedure

Query *

select table_schema,table_name from
information_schema.tables where
table_type = 'BASE TABLE'

▲▼

Query timeout (minutes)

120

ⓘ

Isolation level

None

▼

ⓘ

Partition option

☒ None ☐ Physical partitions of table ⓘ ☐

First row only

☐

Configure For Each Activity

Azure SQL DB Configuration:

The screenshot displays the Azure Logic App Designer interface. At the top, there are buttons for 'Save as template', 'Validate', 'Debug', and 'Add trigger'. The main workspace shows a 'Lookup' activity named 'Lookup1' connected to a 'ForEach' loop named 'ForEach1'. The 'ForEach' loop is highlighted with a green border. Below the workspace, the 'Settings' tab is selected, showing options for 'Sequential' (unchecked), 'Batch count' (empty field), and 'Items' (set to '@activity('Lookup1').output.value'). The 'Items' field is also highlighted with a green border.

Save as template ✓ Validate ▶ Debug ⚡ Add trigger

Lookup
Lookup1

ForEach
ForEach1
Activities
1 activities

General Settings Activities (1) User properties

Sequential ☐


Batch count

Items

Configure Copy Data Activity

Source Dataset

Create parameters in source dataset




Azure SQL Database
AzureSqlTable29

Connection

Schema

Parameters

+ New

 Delete

<input type="checkbox"/>	NAME	TYPE	DEFAULT VALUE
	<input type="text" value="table_name"/>	<div>String</div> <div>▼</div>	<input type="text" value="Value"/>
	<input type="text" value="table_schema"/>	<div>String</div> <div>▼</div>	<input type="text" value="Value"/>

Configure Copy Data Activity Source Dataset

Pass the parameter in connection:

The screenshot shows the 'Configure Copy Data Activity' dialog in Azure Data Factory, specifically the 'Source Dataset' tab. The 'Connection' sub-tab is active, displaying a linked service named 'AzureSqlDatabase4' and a table path '@dataset().table_schema . @dataset().table_name'. The 'Table' field is highlighted with a green box, indicating the parameter to be passed in the connection.

Linked service *	Table
AzureSqlDatabase4	@dataset().table_schema . @dataset().table_name

Final Copy data activity Source Dataset Setting

The screenshot shows the configuration of a 'Copy data' activity within a 'ForEach1' loop in an Azure Data Factory pipeline. The activity is named 'Copy data1'. The 'Source' tab is selected, showing the 'Source dataset' as 'extracttables'. Below this, the 'Dataset properties' section is expanded, displaying a table with columns 'NAME', 'VALUE', and 'TYPE'. The table contains two rows: 'table_name' with value '@item().table_name' and 'table_schema' with value '@item().table_schema', both of type 'string'. Below the table, the 'Use query' section has the 'Table' radio button selected. The 'Query timeout (minutes)' is set to 120. The 'Isolation level' is set to 'None'.

Save as template ✓ Validate ✓ Validate copy runtime ▶ Debug ⚡ Add trigger

tables_multiple_schema > ForEach1

Copy data1

General **Source** Sink Mapping Settings User properties

Source dataset * extracttables Open + New Preview data

Dataset properties ⓘ

NAME	VALUE	TYPE
table_name	@item().table_name	string
table_schema	@item().table_schema	string

Use query ☒ Table ☐ Query ☐ Stored procedure

Query timeout (minutes) 120

Isolation level None ⓘ

Similarly configure Copy data activity sink setting

General Source **Sink** Mapping Settings User properties

Sink dataset * AzureSqlTable29 Open + New

Dataset properties ⓘ

NAME	VALUE	TYPE
table_name	<input type="text" value="@item().table_name"/>	string
table_schema	<input type="text" value="@item().table_schema"/>	string

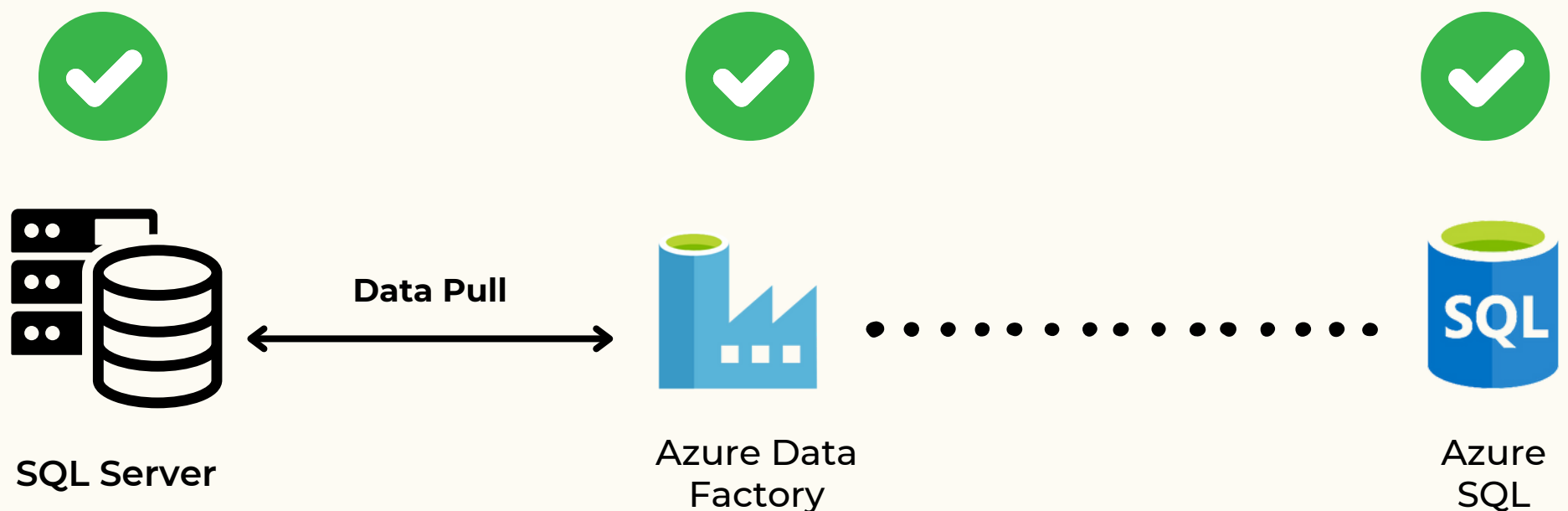
Stored procedure name Select... Refresh

☐ Edit ⓘ

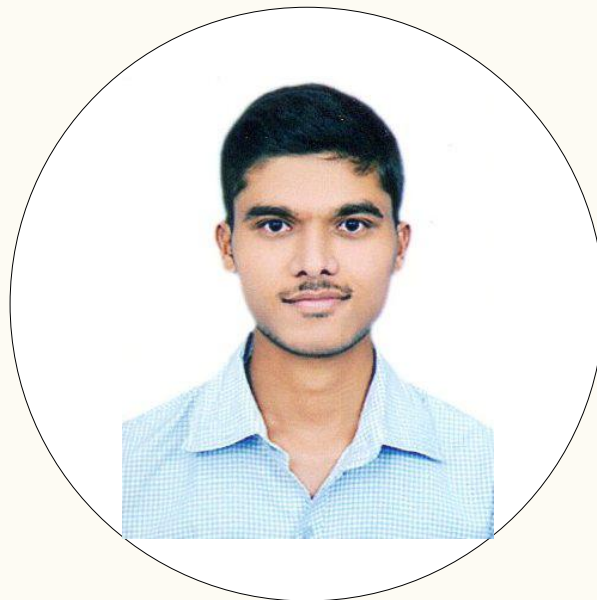
Table option ☐ None ☒ Auto create table ⓘ

Pre-copy script

Initiate Pipeline and Execute Data Migration



**Follow for more
content like this**



SHUBHAM

Business Data Analyst (Power BI Developer)