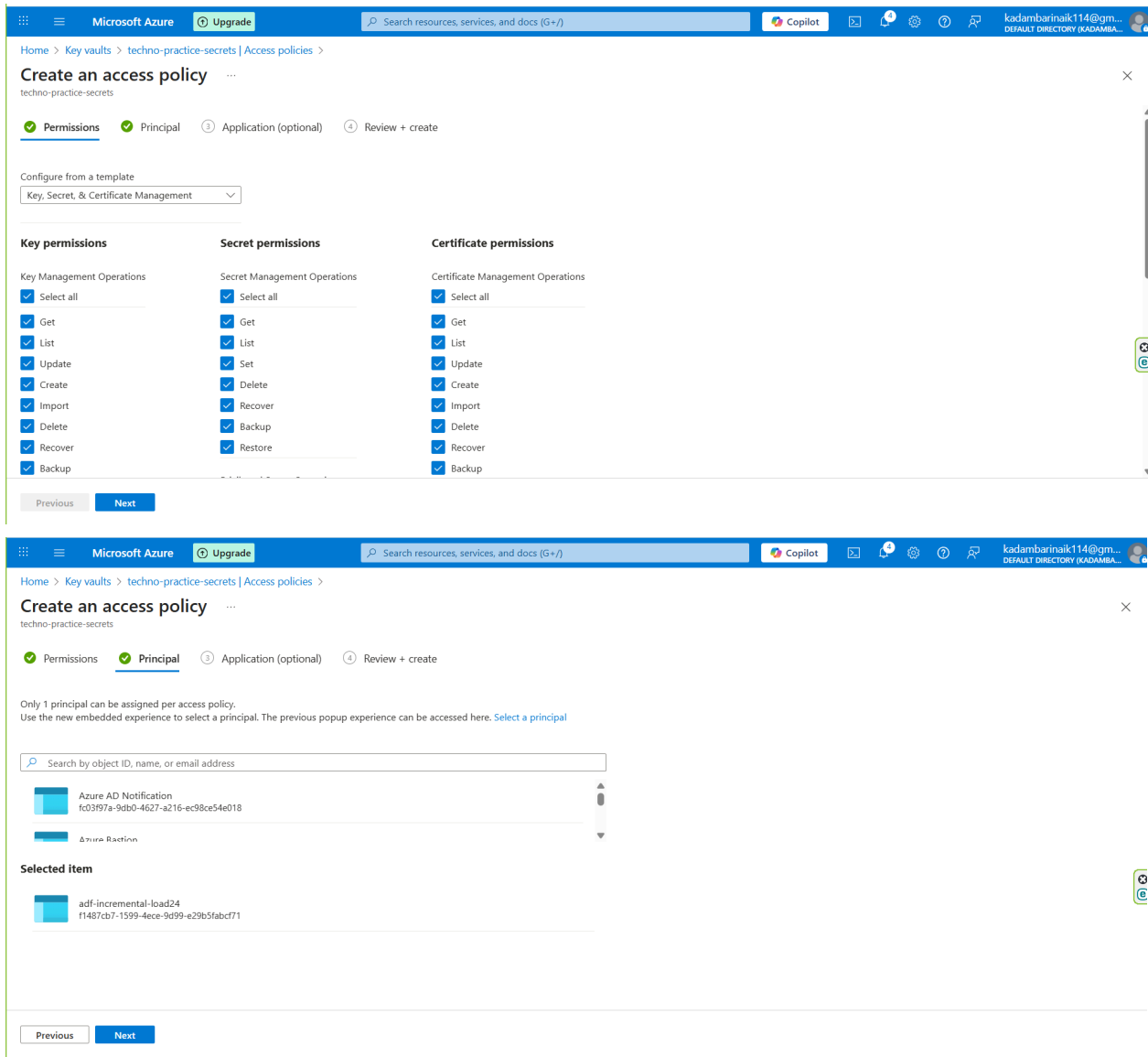


Azure-data-engineering-incremental-load-pipeline

Key Vault-
Do this so that adf can access key vault



Microsoft Azure | Data Factory | adf-incremental-load24

Set up code repository

Data factory

adf-incremental-load24

New

Ingest
Copy data at scale once or on a schedule.

Orchestrate
Code-free data pipelines.

Transform
Transform data.

Recent resources

No items to show

Configure a repository

kady05naik

Specify the settings that you want to use when connecting to your repository.

☒ Select repository ☐ Use repository link

Repository name *

Collaboration branch *

Publish branch *

Root folder *

Custom comment
☒ Use custom comment

Import existing resources
☒ Import existing resources to repository

Import resource into this branch *

dev-kad

Apply Back Cancel

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

ds_json_min_date | ds_AzureSqlTable | incrementalLoadPl... x

Saved | Save as template | Validate | Debug | Trigger (1)

Parameters Variables Settings **Output**

Showing 1 - 4 of 4 items

Activity name	Activity st...	Activit...	Run start	Duration	Integration runtime	User prop...	Activity run ID
Copy data2	✓ Succeeded	Copy data	12/6/2025, 8:23:27 PM	13s	AutoResolveIntegrationRuntime (Central India)		46744831-75c4-4044-9cf1-a66189219024
Copy data1	✓ Succeeded	Copy data	12/6/2025, 8:23:12 PM	15s	AutoResolveIntegrationRuntime (Central India)		77d7c885-8deb-49ed-bbce-07b224aae01d
LookupMaxDate	✓ Succeeded	Lookup	12/6/2025, 8:23:06 PM	5s	AutoResolveIntegrationRuntime (Central India)		604fd8da-e506-4118-aefe-66e3d8da8daa
LookupMinDate	✓ Succeeded	Lookup	12/6/2025, 8:23:06 PM	4s	AutoResolveIntegrationRuntime (Central India)		854868e7-1362-405a-bb7b-350ace351d75

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

ds_json_min_date | ds_AzureSqlTable | incrementalLoadPi...

Lookup | LookupMinDate | Copy data | Copy data1 | Copy data2

General | Settings | User properties

Source dataset * | ds_json_min_date | Open | New | Preview data | Learn more

First row only | ☒

File path type | ☒ File path in dataset | ☐ Wildcard file path | ☐ List of files

Filter by last modified | Start time (UTC) | End time (UTC)

Recursively | ☐

Enable partitions discovery | ☐

Max concurrent connections |

Microsoft Azure | Upgrade

Search resources, services, and docs (G+I)

Copilot

kadambarinaik114@gmail.com | DEFAULT DIRECTORY (KADAMBARINAIK114@GMAIL.COM)

Home > technopracticestoacc

technopracticestoacc | Storage browser

Storage account

Search

Overview | Activity log | Tags | Diagnose and solve problems | Access Control (IAM) | Data migration | Events | Storage browser | Partner solutions | Resource visualizer | Data storage | Security + networking | Data management | Settings | Monitoring | Monitoring (classic)

technopracticestoacc | minLoadDate.json

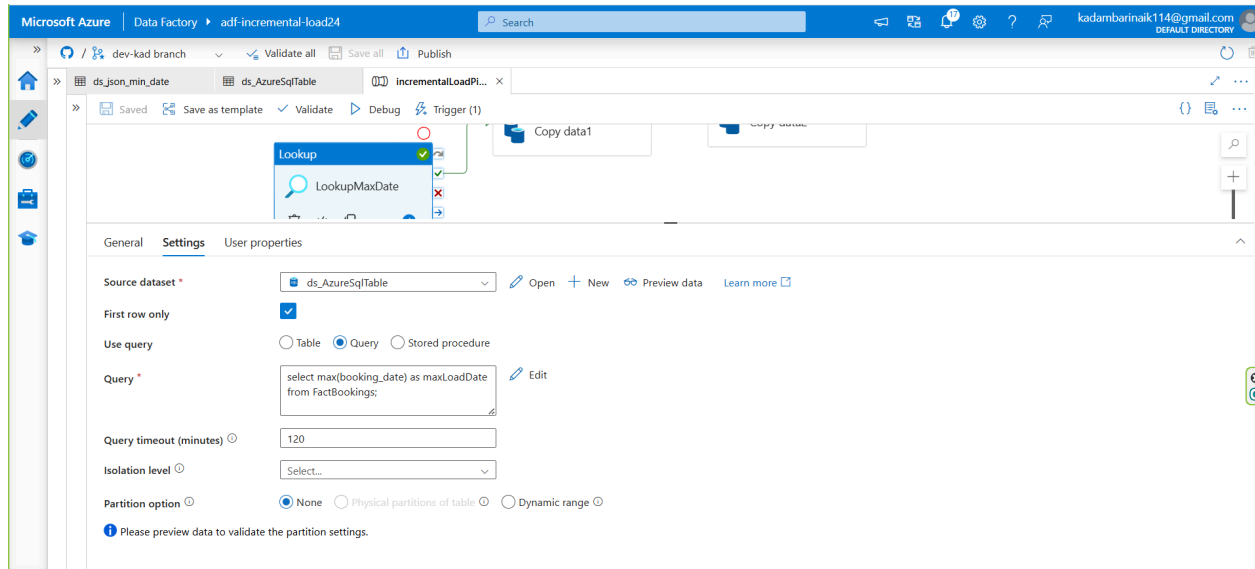
Blob

Save | Discard | Download | Refresh | Delete

Overview | Versions | Edit | Generate SAS

```
1 [{"minLoadDate": "2024-06-27T00:00:00"}]
```

Json | Preview



```
CREATE TABLE FactBookings (  
    booking_id INT PRIMARY KEY,  
    passenger_id INT,  
    flight_id INT,  
    airline_id INT,  
    origin_airport_id INT,  
    destination_airport_id INT,  
    booking_date DATE,  
    ticket_cost DECIMAL(10,2),  
    flight_duration_mins INT,  
    checkin_status VARCHAR(10)  
);
```

```
INSERT INTO FactBookings VALUES (1, 90, 187, 8, 6, 3, '2025-04-20',  
167.19, 178, 'Yes');  
INSERT INTO FactBookings VALUES (2, 49, 110, 8, 9, 8, '2025-01-30',  
475.86, 256, 'Yes');  
INSERT INTO FactBookings VALUES (3, 93, 187, 10, 3, 9, '2025-05-23',  
399.53, 607, 'Yes');  
INSERT INTO FactBookings VALUES (4, 18, 149, 3, 9, 2, '2025-05-24',  
809.63, 306, 'No');  
INSERT INTO FactBookings VALUES (5, 7, 190, 2, 8, 1, '2025-02-01', 933.3,  
576, 'No');  
INSERT INTO FactBookings VALUES (6, 85, 191, 4, 8, 6, '2025-01-31',  
264.49, 258, 'Yes');  
INSERT INTO FactBookings VALUES (7, 64, 113, 9, 7, 2, '2025-01-20',  
867.46, 712, 'No');  
INSERT INTO FactBookings VALUES (8, 69, 144, 8, 7, 9, '2025-06-12',  
294.69, 416, 'No');
```

```

INSERT INTO FactBookings VALUES (9, 93, 176, 8, 10, 7, '2025-03-10',
876.94, 709, 'No');
INSERT INTO FactBookings VALUES (10, 8, 108, 4, 5, 3, '2025-06-27',
792.65, 387, 'No');
INSERT INTO FactBookings VALUES (11, 100, 179, 4, 3, 5, '2025-06-21',
266.41, 272, 'No');
INSERT INTO FactBookings VALUES (12, 84, 121, 3, 6, 4, '2025-05-31',
229.41, 594, 'No');
INSERT INTO FactBookings VALUES (13, 20, 161, 3, 10, 7, '2025-02-23',
792.58, 377, 'Yes');
INSERT INTO FactBookings VALUES (14, 79, 158, 9, 10, 2, '2025-05-11',
539.61, 261, 'Yes');
INSERT INTO FactBookings VALUES (15, 71, 181, 5, 3, 1, '2025-02-08',
190.16, 156, 'Yes');
INSERT INTO FactBookings VALUES (16, 19, 200, 3, 8, 3, '2025-04-19',
535.82, 114, 'No');
INSERT INTO FactBookings VALUES (17, 35, 105, 10, 1, 9, '2025-06-18',
326.17, 247, 'No');
INSERT INTO FactBookings VALUES (18, 18, 118, 5, 9, 10, '2025-05-05',
496.55, 136, 'Yes');
INSERT INTO FactBookings VALUES (19, 4, 172, 3, 8, 7, '2025-03-09',
813.45, 176, 'Yes');
INSERT INTO FactBookings VALUES (20, 73, 154, 7, 1, 3, '2025-03-13',
392.4, 513, 'No');
INSERT INTO FactBookings VALUES (21, 26, 135, 4, 6, 10, '2025-04-03',
628.92, 195, 'Yes');
INSERT INTO FactBookings VALUES (22, 21, 113, 2, 1, 2, '2025-05-20',
236.57, 277, 'No');
INSERT INTO FactBookings VALUES (23, 98, 163, 8, 10, 8, '2025-01-12',
895.7, 608, 'No');
INSERT INTO FactBookings VALUES (24, 66, 121, 4, 10, 3, '2025-06-14',
470.99, 480, 'No');
INSERT INTO FactBookings VALUES (25, 92, 101, 7, 1, 7, '2025-01-12',
459.78, 390, 'No');
INSERT INTO FactBookings VALUES (26, 68, 179, 4, 10, 7, '2025-03-13',
892.06, 366, 'Yes');
INSERT INTO FactBookings VALUES (27, 19, 111, 1, 5, 2, '2025-03-07',
546.57, 329, 'No');
INSERT INTO FactBookings VALUES (28, 18, 114, 2, 7, 8, '2025-05-25',
345.04, 238, 'No');
INSERT INTO FactBookings VALUES (29, 19, 125, 4, 7, 5, '2025-01-26',
451.77, 276, 'Yes');
INSERT INTO FactBookings VALUES (30, 63, 180, 3, 1, 5, '2025-04-29',
543.99, 625, 'No');

```

Microsoft Azure | Upgrade | Search resources, services, and docs (G+ /) | Copilot | kadambarinaik114@gmail.com | DEFAULT DIRECTORY (KADAMBARA...)

Home > mydb (sqlservertechno/mydb) | Query editor (preview) ☆ ...

SQL database

Search | Login | New Query | Open query | Feedback | Getting started

mydb (kadambarinaik114@gmail.com)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.FactBookings
 - booking_id (PK, int, not null)
 - passenger_id (int, null)
 - flight_id (int, null)
 - airline_id (int, null)
 - origin_airport_id (int, null)
 - destination_airport_id (int, null)
 - booking_date (date, null)
 - ticket_cost (decimal, null)
 - flight_duration_mins (int, null)
 - checkin_status (varchar, null)

Query 1 × Query 2 ×

Run | Cancel query | Save query | Export data as | Show only Editor

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

Results Messages

Search to filter items...

booking_id	passenger_id	flight_id	airline_id	origin_airport_id
1	90	187	8	6
2	49	110	8	9
3	93	187	10	3

Query succeeded | 1s

Microsoft Azure | Data Factory | adf-incremental-load24 | Search | kadambarinaik114@gmail.com | DEFAULT DIRECTORY

dev-kad branch | Validate all | Save all | Publish

ds_json_min_date | ds_AzureSqlTable | IncrementalLoadPI...

Lookup | Copy data | Copy data1

General | Source | Sink | Mapping | Settings | User properties

Source dataset * | ds_AzureSqlTable | Open | New | Preview data | Learn

Use query | ☐ Table | ☒ Query | ☐ Stored procedure

Query | select * from FactBookings where bo...

Query timeout (minutes) | 120

Isolation level | Select...

Partition option | ☒ None | ☐ Physical partitions of table | ☐ Dynamic range

Please preview data to validate the partition settings.

Additional columns | + New

Pipeline expression builder

Add dynamic content below using any combination of expressions, functions and system variables.

```
select * from FactBookings where booking_date <= '@{activity('LookupMaxDate').output.firstRow.maxLoadDate}' and booking_date >= '@{activity('LookupMinDate').output.firstRow.minLoadDate}'
```

Clear contents

Activity outputs | Parameters | System variables | Functions | Variables

LookupMaxDate
LookupMaxDate activity output
Data of the first row

LookupMinDate
LookupMinDate activity output
Data of the first row

OK | Cancel

```
select * from FactBookings where booking_date <=
'@{activity('LookupMaxDate').output.firstRow.maxLoadDate}' and
booking_date >= '@{activity('LookupMinDate').output.firstRow.minLoadDate}'
```

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

IncrementalLoadPL... x

Save | Save as template | Validate | Validate copy runtime | Debug | Trigger (1)

Lookup

LookupMinDate

Copy data

Copy data1

Copy d

General | Source | Sink | Mapping | Settings | User properties

Sink dataset *

ds_destination_csv_format1

Open | New | Learn more

Dataset properties

Name	Value
p_date_file_name	@formatDateTime(activity('LookupM...)

Copy behavior

Preserve hierarchy

Max concurrent connections

Block size (MB)

Metadata

+ New

Quote all text

File extension

.txt

Pipeline expression builder

Add dynamic content below using any combination of expressions, functions and system variables.

```
@formatDateTime(activity('LookupMaxDate').output.firstRow.maxLoadDate, 'yyyy-MM-dd')
```

Clear contents

Activity outputs | Parameters | System variables | Functions | Variables

Search

LookupMaxDate
LookupMaxDate activity output

LookupMaxDate first row
Data of the first row

LookupMinDate
LookupMinDate activity output

LookupMinDate first row
Data of the first row

OK | Cancel

```
@formatDateTime(activity('LookupMaxDate').output.firstRow.maxLoadDate, 'yyyy-MM-dd')
```

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

IncrementalLoadPL... | ds_destination_csv_f... x

Save

DelimitedText
ds_destination_csv_format1

Connection | Schema | Parameters

Linked service *

Is_AzureDataLakeStorage

Test connection | Edit | New | Learn more

File path

destinationcontainer / Directory

@concat(dataset().p_date_file_name, '.csv')

Compression type

No compression

Column delimiter

Comma (,)

Row delimiter

Default (\r\n, or \n)

Encoding

Default(UTF-8)

Quote character

Double quote (")

Escape character

Backslash (\)

Pipeline expression builder

Add dynamic content below using any combination of expressions, functions and system variables.

```
@concat(dataset().p_date_file_name, '.csv')
```

Clear contents

Parameters | Functions

Search

p_date_file_name

OK | Cancel

```
@concat(dataset().p_date_file_name, '.csv')
```

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

IncrementalLoadPl... x

Save | Save as template | Validate | Validate copy runtime | Debug | Trigger (1)

Lookup (LookupMinDate) → Copy data (Copy data1) → Copy data (Copy data2)

General | Source | Sink | Mapping | Settings | User properties

Source dataset * | ds_AzureSqlTable | Open | New | Preview data | Learn more

Use query | ☐ Table | ☒ Query | ☐ Stored procedure

Query * | select max(booking_date) as minLoadDate from FactBookings; | Edit

Query timeout (minutes) | 120

Isolation level | Select...

Partition option | ☒ None | ☐ Physical partitions of table | ☐ Dynamic range

Please preview data to validate the partition settings.

Additional columns | + New

Microsoft Azure | Data Factory | adf-incremental-load24

dev-kad branch | Validate all | Save all | Publish

IncrementalLoadPl... x

Save | Save as template | Validate | Validate copy runtime | Debug | Trigger (1)

Lookup (LookupMinDate) → Copy data (Copy data1) → Copy data (Copy data2)

General | Source | Sink | Mapping | Settings | User properties

Sink dataset * | ds_json_min_date | Open | New | Learn more

Copy behavior | Flatten hierarchy

Max concurrent connections

Block size (MB)

Metadata | + New

File pattern