

## 30 January

Learning Agile and everything else

### Agile

Documentation: Confluence, Github pages  
Ticketing Tool: Trello, Jira, Github Issue  
Chat: Slack, Microsoft Team

### Designing

Graphic: Corel, Photoshop, AI  
Web/Mobile App: AdobeXD, Figma  
Database: ER Diagram, Draw.io  
Software: UML

### Development

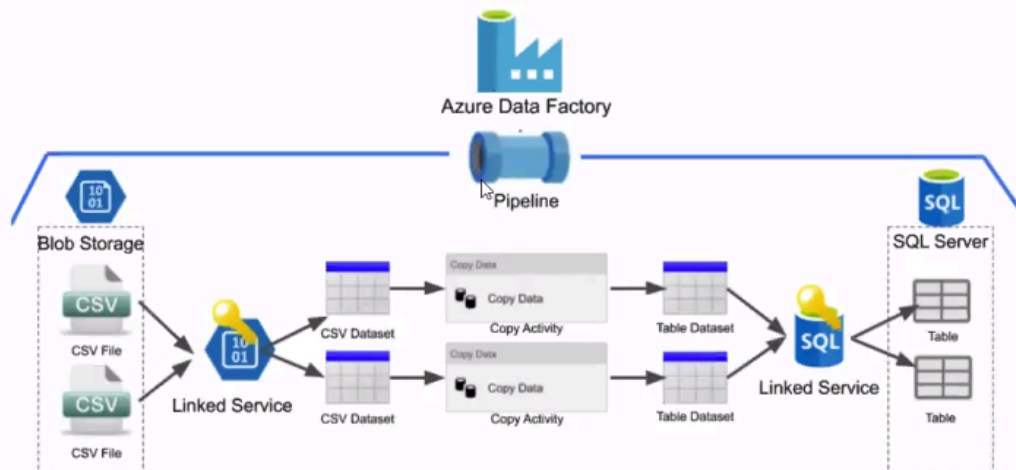
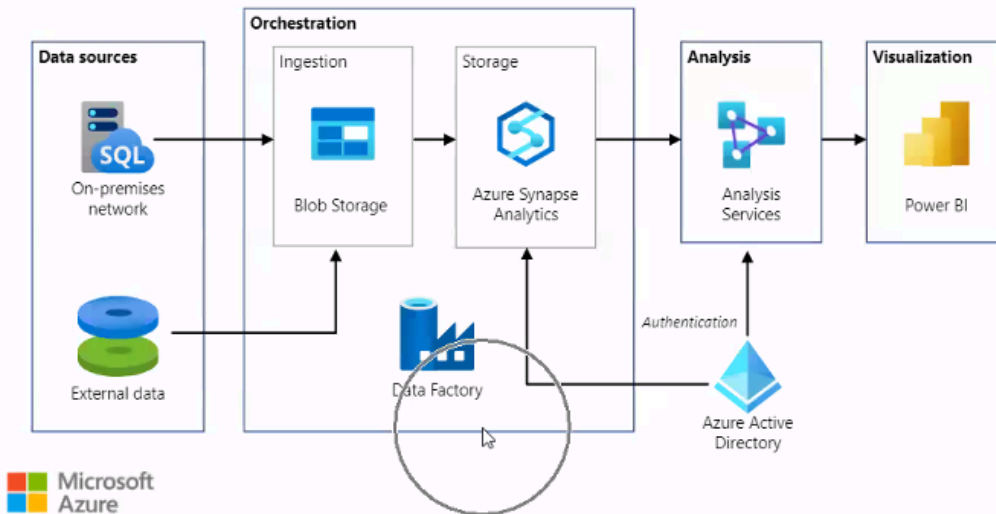
Distributed VCS: Github, GitLab Repo, Bitbucket  
Testing:  
Automated Testing: Selenium, JUnit, TestNG,  
Continues Testing: Jenkins, Github  
Continues Integration: Jenkins, Github Action(Infra Automation), GitLab  
Continues Deployment/Configuration/Delivery/Release:  
Infra. Provisioning: Terraform  
Configuration Mgt: Ansible

2nd February

Studying the remaining topics of Azure and creating a database with a sample csv.

Friday, February 2, 2024

11:15 AM



Link service =dataset = activities

portal.azure.com/#create/Microsoft.SQLDatabase

Microsoft Azure Upgrade Search resources, services, and docs (G+)

All services > SQL databases >

## Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags **Review + create**

**Product details**

SQL database by Microsoft  
[Terms of use](#) | [Privacy policy](#)

**Estimated cost**  
Storage cost 406.46 INR / month + Compute cost 0.012314 INR / vCore second

**Cost summary**

<b>General Purpose (GP, 5, Gen5, 1)</b>	
Cost per GB (in INR)	9.77
Max storage selected (in GB)	x 41.6
<b>ESTIMATED STORAGE COST / MONTH 406.46 INR</b>	
<b>COMPUTE COST / vCORE SECOND 0.012314 INR</b>	

**NOTES**  
\* Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)

**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	AZ MSSQL Training
Resource group	rgfeb02latin
Region	East US
Database name	dbfeb02
Server	(new) serverfeb02

Validating... < Previous Download a template for automation

DBeaver 23.3.0 - Answer

File Edit Navigate Search SQL Editor Database Window

Database Navigator Projects

Enter a part of object name here

- > db1 - sqlwastaken.database.windows.net:1433
- > db1 - sqlwastaken.database.windows.net:1433
- > DBeaver Sample Database (SQLite)
- > dbfeedbackmgt - dbserver23jandeepak.database.wi...
- > sqlwastaken.database.windows.net

Project - General DataSource

Name

- > Bookmarks
- > Diagrams
- > Scripts

Connect to a database

### SQL Server Connection Settings

MS SQL Server / SQL Server connection settings

Main: Driver properties

Connect by: ☒ Connection test

Server: Microsoft SQL Server 12.00.5409  
Microsoft SQL Azure (RTM) - 12.0.2000.8  
Jan 3 2024 16:32:18  
Copyright (C) 2022 Microsoft Corporation

Authentication: SQL S

Username: dbad

Password: .....

Settings

☐ Show All Schemas

☐ Trust Server Certificate

[You can use variables in connection parameters.](#)

Connection details (name, type, ...)

Driver name: MS SQL Server / SQL Server

Driver Settings Driver license

Test Connection ... < Back Next > Finish Cancel

Reco

23	35	mihirgangan.mg10@gmail.com	8	Self
24	36	mihirgangan.mg10@gmail.com	9	No

Refresh Save Cancel Export data 200 36

Project on Microsoft Azure & T x AdventureWorks2022 (dbinit/A x Downloads x +

portal.azure.com/#@incedoin.onmicrosoft.com/resource/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/...

Microsoft Azure Upgrade Search resources, services, and docs (G+/)

Home > Microsoft.SQLDatabase.newDatabaseImportExistingServer\_362be7ecdf | Overview > AdventureWorks2022 (dbinit/AdventureWorks2022)

AdventureWorks2022 (dbinit/AdventureWorks2022) | Query editor (preview) ☆ ...

Search Login + New Query ↑ Open query Feedback Getting started

Overview  
Activity log  
Tags  
Diagnose and solve problems  
Query editor (preview)

Settings  
Compute + storage  
Connection strings  
Properties  
Locks

Data management  
Replicas  
Sync to other databases

Integrations  
Stream analytics (preview)  
Add Azure AI Search

AdventureWorks2022 (dbadmin)

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

Tables  
Views  
Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

1

Results Messages

Search to filter items...

## Data Factory Activity

Project on Microsoft Azure & T x ac1 - Microsoft Azure x Downloads x +

portal.azure.com/#view/Microsoft\_Azure\_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2Fe7e8...

Microsoft Azure Upgrade Search resources, services, and docs (G+/)

Home > Resource groups > rg02 > safeb02 | Containers >

ac1 Container

Search Upload + Add Directory Refresh Rename Delete Change tier Acquire lease Break lease Give feedback

Overview  
Diagnose and solve problems  
Access Control (IAM)

Settings  
Shared access tokens  
Manage ACL  
Access policy  
Properties  
Metadata

Authentication method: Access key (Switch to Microsoft Entra user account)  
Location: ac1

Search blobs by prefix (case-sensitive) Show deleted objects

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> emp.txt	2/2/2024, 5:51:33 PM	Hot (Inferred)		Block blob	38 B	Available

portal.azure.com/#@incedoinc.onmicrosoft.com/resource/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/...

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Microsoft.DataFactory-20240202175222 | Overview

**dfeb01jatin**  
Data factory (V2)

Search Delete

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Networking
- Managed identities
- Properties
- Locks

Getting started

- Quick start

Monitoring

- Alerts
- Metrics
- Diagnostic settings

Essentials

Resource group (move) : rg02  
Status : Succeeded  
Location : East US  
Subscription (move) : AZ MSSQL Training  
Subscription ID : e7e878f1-a7f7-4ce2-8710-30d2fbc17ef

Type : Data factory (V2)  
Getting started : Quick start

**Azure Data Factory Studio**

Launch studio

Quick Starts Tutorials Template Gallery Training Modules

adf.azure.com/en/authoring/pipeline/pipeline1?factory=%2Fsubscriptions%2Fe7e878f1-a7f7-4ce2-8710-30d2fbc17ef%2FresourceGroups/...

Microsoft Azure Data Factory dfeb01jatin Search factory and documentation

Microsoft recently announced the public preview of Microsoft Fabric, a brand new and exciting way to build data solutions.

Factory Resources

- Pipelines (1)
  - pipelinejatin
    - Change Data Capture (preview) 0
    - Datasets 0
    - Data flows 0
    - Power Query 0

Activities

- Move and transform
  - Copy data
  - Data flow
- Synapse
  - Azure Data Explorer
  - Azure Function
  - Batch Service
  - Databricks
  - Data Lake Analytics
- General

New linked service

Azure Blob Storage Learn more

Account key

Connection string Azure Key Vault

Account selection method

- From Azure subscription (selected)
- Enter manually

Azure subscription

AZ MSSQL Training (e7e878f1-a7f7-4ce2-8710-30d2fbc17ef)

Storage account name \*

safeb02

Additional connection properties

+ New

Test connection

- To linked service (selected)
- To file path

Annotations

Connection successful

Project on Microsoft Azure | dbfeb02 (dbinit/dbfeb02) | dfeb01jatin - Azure Data | Downloads | CSV File Examples - Staff | +

adf.azure.com/en/authoring/dataset/AzureSqlTable1?factory=%2Fsubscriptions%2Fe7e878f1-a7f7-4ce2-8710-30d2fbc17ef%2Fresour...

### Microsoft Azure | Data Factory

Data Factory

#### Factory Resources

Filter resources by name

- Pipelines
  - pipelinejatin
- Change Data Capture (p)
- Datasets
  - AzureSqlTable1
  - DT1
- Data flows
- Power Query

#### Preview data

Linked service: AzureSqlDatabase1

Object: dbo.emp

ID	FirstName	LastName
1	John	Doe
2	Jane	Doe

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experience Off

+ New Learn more

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adf.azure.com/en/monitoring/pipeline/runs/657d4980-1cf3-47d8-931a-a1089e7b4e08?factory=%2Fsubscriptions%2Fe7e878f1-a7f7-4c...

### Microsoft Azure | Data Factory | dfeb01jatin

Search factory and documentation

#### All pipeline runs > pipelinejatin - Activity runs

Rerun Cancel Refresh Update pipeline List Gantt

Copy data cd1

#### Activity runs

Pipeline run ID 657d4980-1cf3-47d8-931a-a1089e7b4e08

All status Monitor in Azure Metrics Export to CSV

Showing 1 - 1 items

Activity name	Activity status	Activity type	Run start	Duration	Integration runtime	User prc
cd1	Succeeded	Copy data	2/2/2024, 6:07:54 PM	17s	AutoResolveIntegration	

Project on Microsoft Azure | dbfeb02 (dbinit/dbfeb02) | dfeb01jatin - Azure Data | Downloads | CSV File Examples - Staff | +

adf.azure.com/en/monitoring/pipeline/runs?factory=%2Fsubscriptions%2Fe7e878f1-a7f7-4ce2-8710-30d2fbc17ef%2FresourceGroups...

Microsoft Azure | Data Factory | dfeb01jatin | Search factory and documentation | jatin.saini3@incedo.com | INCEDO TECHNOLOGY SOLUTIONS LTD.

Pipeline runs

Triggered | Debug | Rerun | Cancel options | Refresh | Edit columns | List | Gantt

Filter by run ID or name | Chennai, Kolkata, Mu... : Last 24 hours | Pipeline name: All | Copy filters | Export to CSV

Status: All | Runs: Latest runs | Triggered by: All | Add filter

Showing 1 - 5 items | Last refreshed 0 minutes ago

<input type="checkbox"/>	Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓
<input type="checkbox"/>	pipelinejatin	2/2/2024, 6:15:01 PM	--	12s	autotrigger	In progr
<input type="checkbox"/>	pipelinejatin	2/2/2024, 6:14:01 PM	2/2/2024, 6:14:19 PM	19s	autotrigger	Succeed
<input type="checkbox"/>	pipelinejatin	2/2/2024, 6:13:02 PM	2/2/2024, 6:13:32 PM	30s	autotrigger	Succeed
<input type="checkbox"/>	pipelinejatin	2/2/2024, 6:12:01 PM	2/2/2024, 6:12:19 PM	18s	autotrigger	Succeed
<input type="checkbox"/>	pipelinejatin	2/2/2024, 6:07:52 PM	2/2/2024, 6:08:12 PM	20s	Manual trigger	Succeed

Project on Microsoft Azure | dbfeb02 (dbinit/dbfeb02) | dfeb01jatin - Azure Data | Downloads | CSV File Examples - Staff | +

adf.azure.com/en/authoring/dataset/AzureSqlTable1?factory=%2Fsubscriptions%2Fe7e878f1-a7f7-4ce2-8710-30d2fbc17ef%2Fresour...

Microsoft Azure | Data Factory | jatin.saini3@incedo.com | INCEDO TECHNOLOGY SOLUTIONS LTD.

Factory Resources

Filter resources by name

Pipelines | pipelinejatin | Change Data Capture (p) | Datasets | AzureSqlTable1 | DT1 | Data flows | Power Query

Preview data

Linked service: AzureSqlDatabase1

Object: dbo.emp

ID	FirstName	LastName
1	John	Doe
2	Jane	Doe
3	John	Doe
4	Jane	Doe
5	John	Doe
6	Jane	Doe
7	John	Doe
8	Jane	Doe
9	John	Doe
10	Jane	Doe

+ New | Learn more