### SSIS 1st video summary

## What is SSIS (SQL Server Integration services)

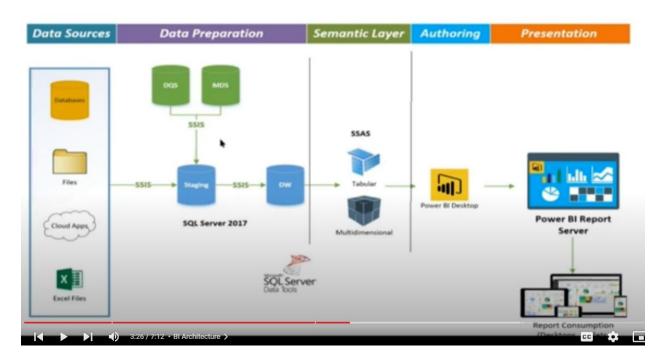
- ☐ It's ETL tool (Extract, Transform, Load)
- ☐ Used mostly in Data warehousing projects
- ☐ Used for Data Migration projects
- ☐ Database maintenance activities

sql⇔oracle

Rebuild indexes, cleaning something

### **BI** Architecture

### BI Architecture



### **Topics**

# Topics - Fundamentalş

- 1) What is Control flow (Navigate to SSIS Projects and different Windows)
- 2) What is Data Flow
  - a)Loading a Simple file into Database( Basics Of SSIS)
- 4) Transformations
  - a) Basic Transformations ( Derived column, Merge, Sort, Casting )
  - b) Advanced Transformations ( Lookup and Group By and Unpivot)
- 5) Control Flow Tasks
  - a) Common Tasks Execute Sql , Call Procedure
  - b) Filesystem Task, Execute Process task
- 6) Precedence Constraints
  - a) Expression and Constraint
- 7) What is Containers
- 8) Looping in SSIS
  - ▶ 5:23 / 7:12 Course Content >

# **Topics - Implementation**

- 9) Datawarehouse Concepts
  - a) What is Dimension
  - b) What is Fact
- Demo on how to Populate Dimensions
- 11) Demo on how to Populate Fact
- 12) Event Handlers
- 13) Performance Improvements
- 14) Sql Server Integration Services Catalog
  - a) Create SSISDB
- 15) Deployment in SSIS Catalog
  - a) Deployment types (package / Project)
- 16) Sql Agent
  - a) Scheduling
  - 5:31 / 7:12 · SSIS Fundamentals >

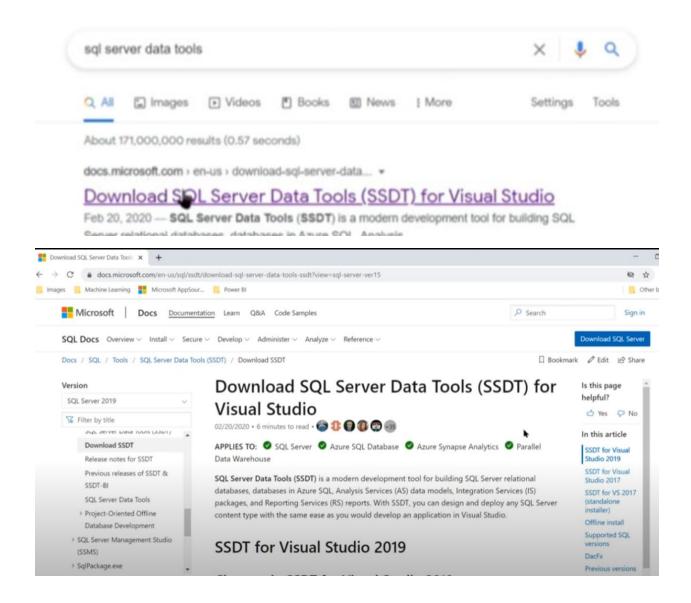
### SSIS 2nd video summary

# Data tools

- ☐ To Create SSIS, SSAS, SSRS Projects
- □ Visual studio 2019 / 2017
- Stand alone Installment



⊙ sql serrer data tools

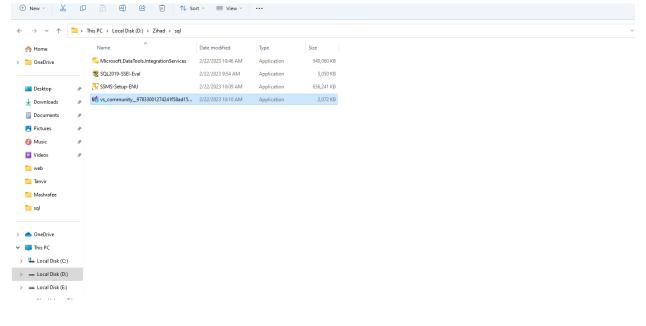


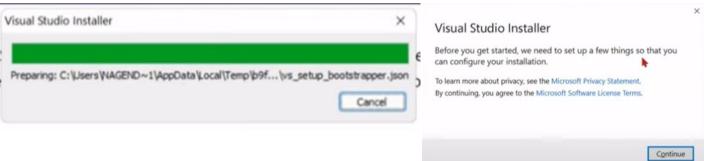
### SSIS 3rd video summary

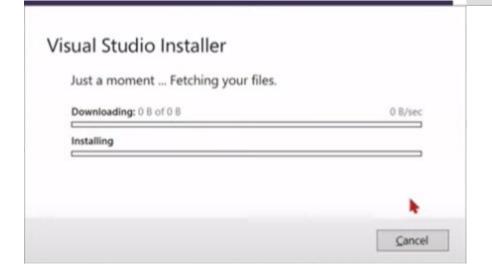
First of all, I have all downloaded files I will provide you if you cannot download it. So don't worry!

Installation of visual studio 2019

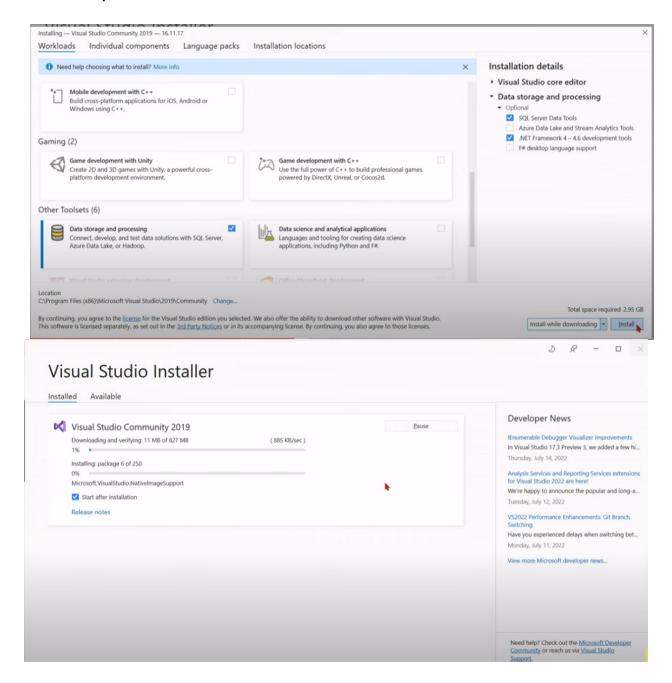
Click the installer file



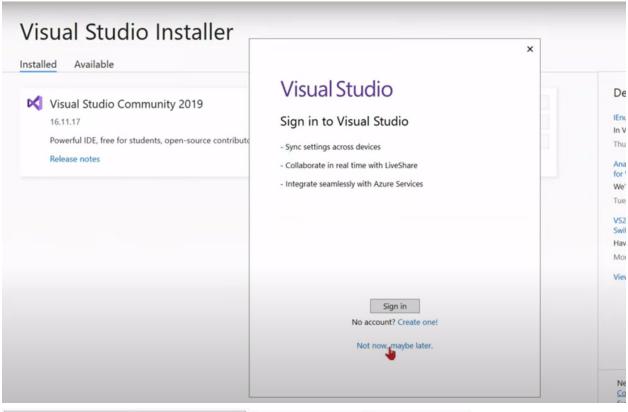


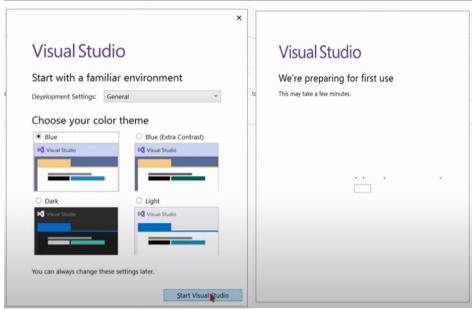


## Choose the **Data storage and processing** option with **SQL Server Data Tools,.NET framework** development tools

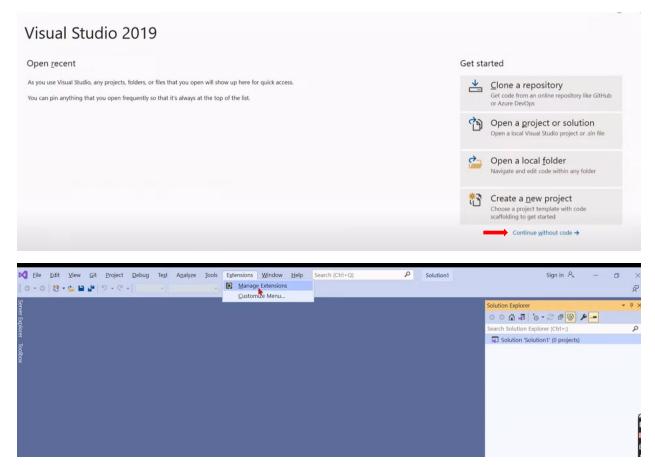


If you have Microsoft account you may log in otherwise you may choose **Not now option** 



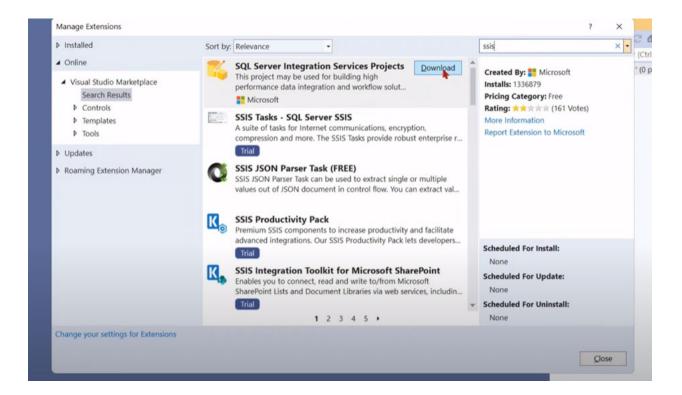


#### Complete these two steps

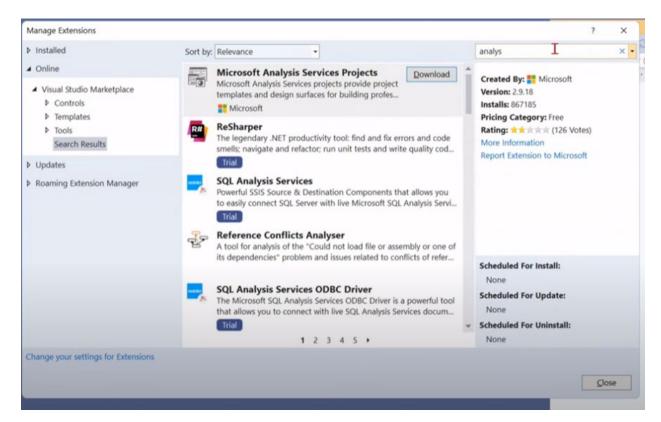


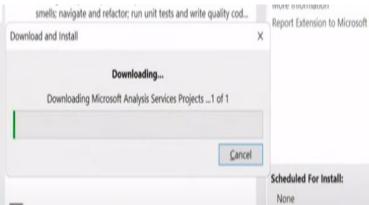
After you should search ssis then choose **SQL Server Integration Services Projects** and download it.

AS we have this file which I provide you . You may skip it.

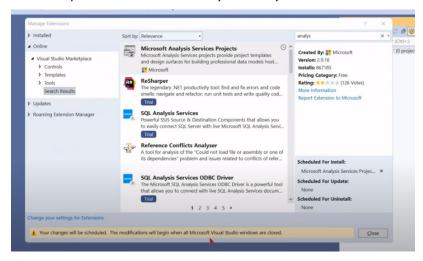


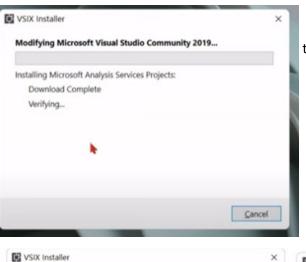
After that you should search analys then choose Microsoft Analysis Services Projects and download it.





After complete download the Analysis tools you have to close visual studio.



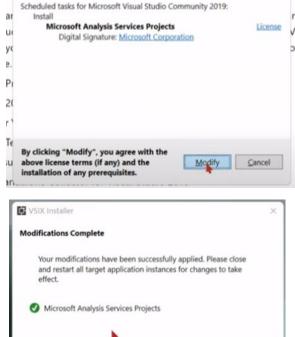


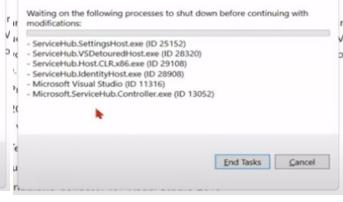
#### then VSIX installer will install it.

**W** VSIX Installer



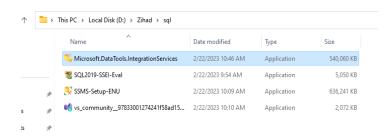
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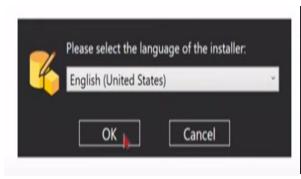


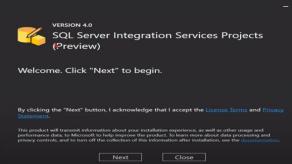
#### Now ssas is done now focus on ssis

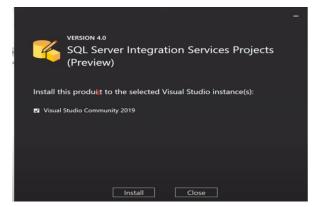
View Install Log

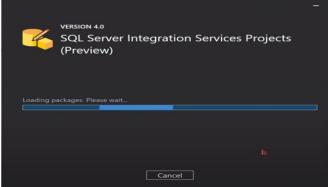


⊈lose





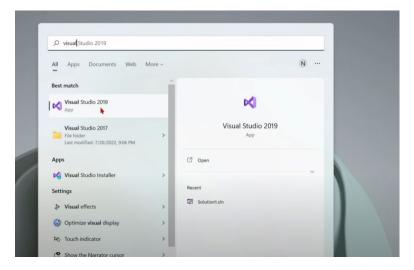




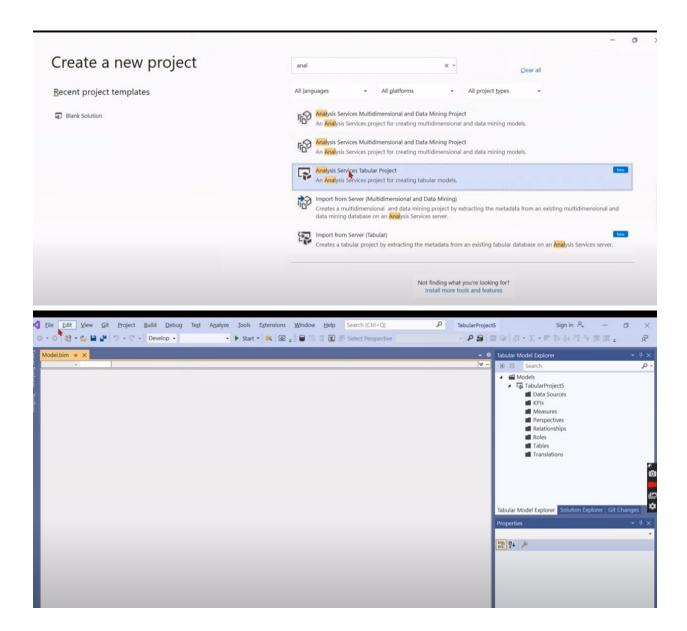


All the necessary things are installed successfully. So let's check them out.

#### Open visual studio



#### **SSAS**



#### SSIS

