

BEN WEISSMAN

THE SSIS PACKAGE THAT TUNES ITSELF

Who am I? Ben Weissman









Microsoft CERTIFIED

Solutions Associate

Machine Learning

Microsoft CERTIFIED

Solutions Expert

Data Management and **Analytics**

Certified Data Vault Modeler





Big Data Data Science Artificial Intelligence



PROFESSIONAL







(IRI)









What is Biml?

- > Biml is the Business Intelligence Markup Language
- Developed by Varigence
- > This is Biml:

- > Enhanced by APIs and BimlScript, it becomes very powerful
- Can be used for T-SQL, SSIS and SSAS

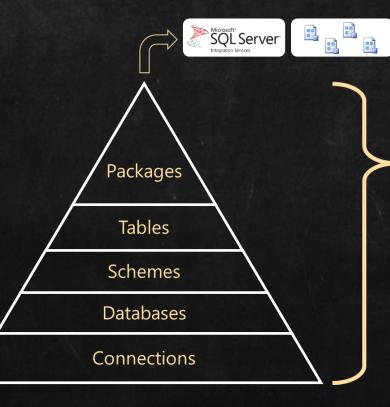
Biml Frontends















Biml Code



XML, BimlScript, C#, VB

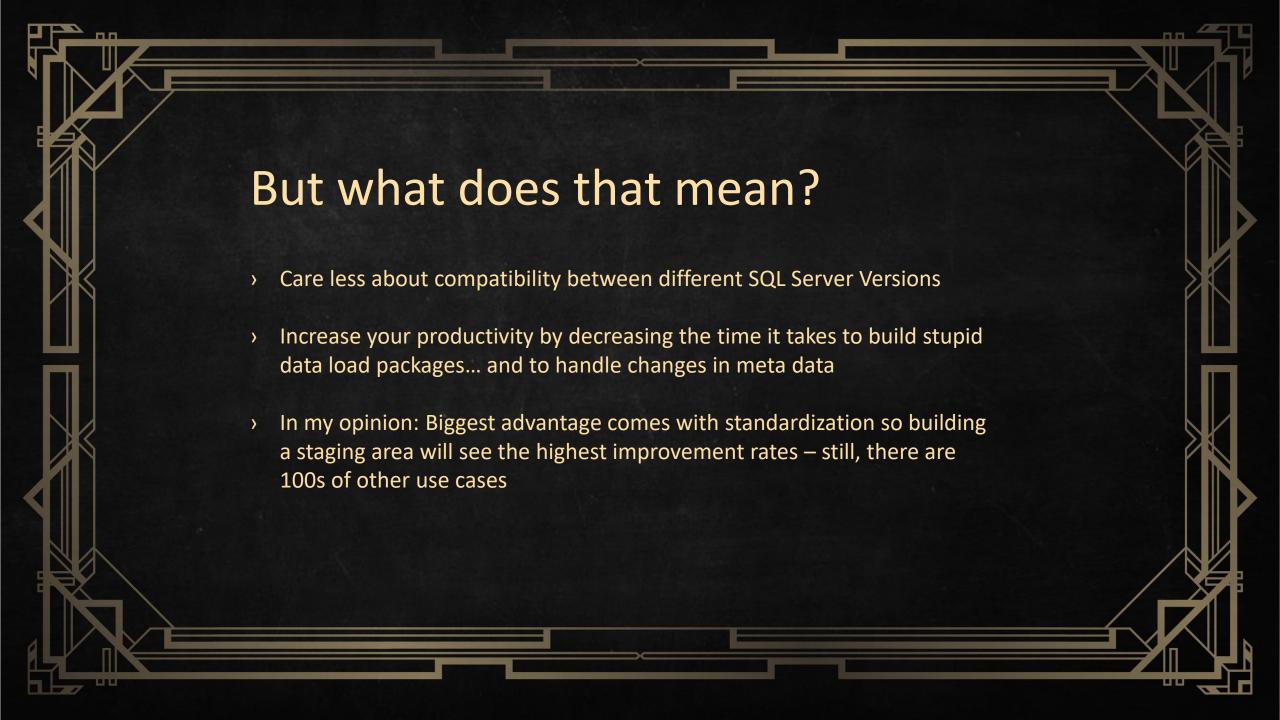
Biml Engine



Result



SQL Server Tables, DTSX Packages etc.



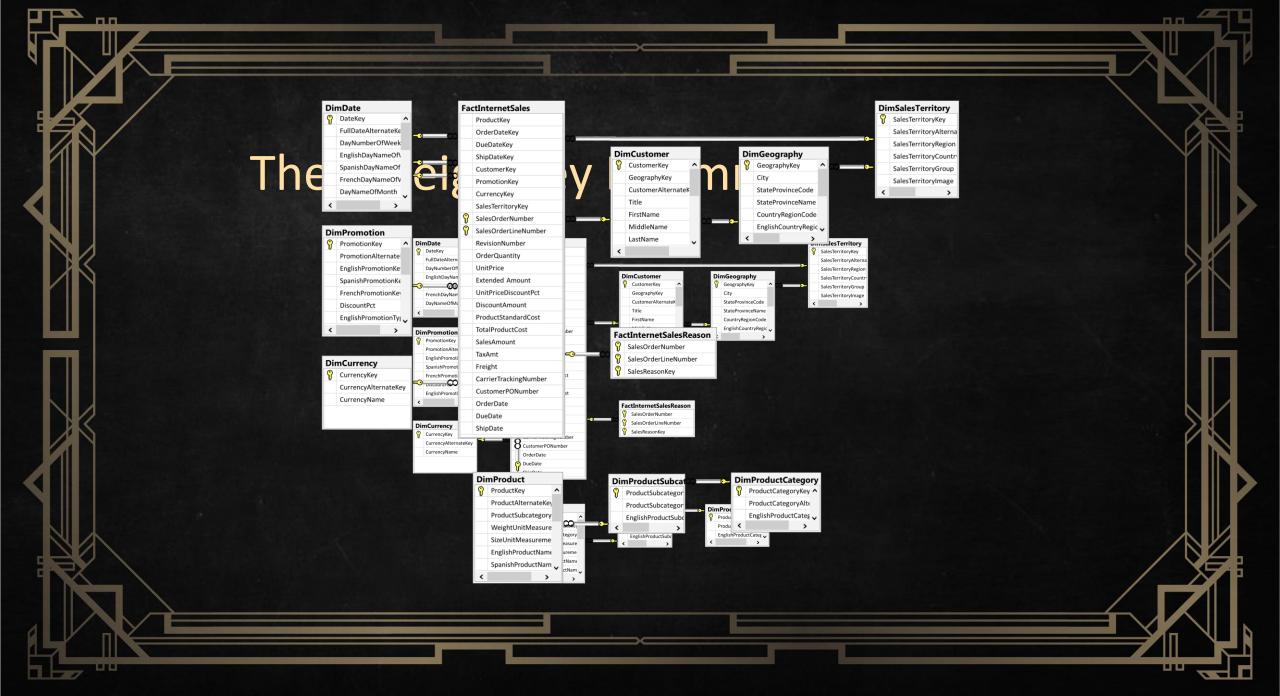


AN INTRODUCTION TO BIML THE 3D PRINTER FOR SSIS AND MORE.

The Business Intelligence Markup Language

- > Basic empty packages
- Automating empty packages with BimlScript
- Automating staging patterns

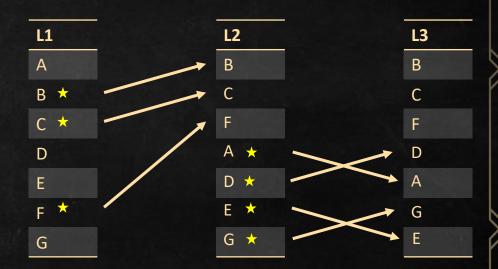


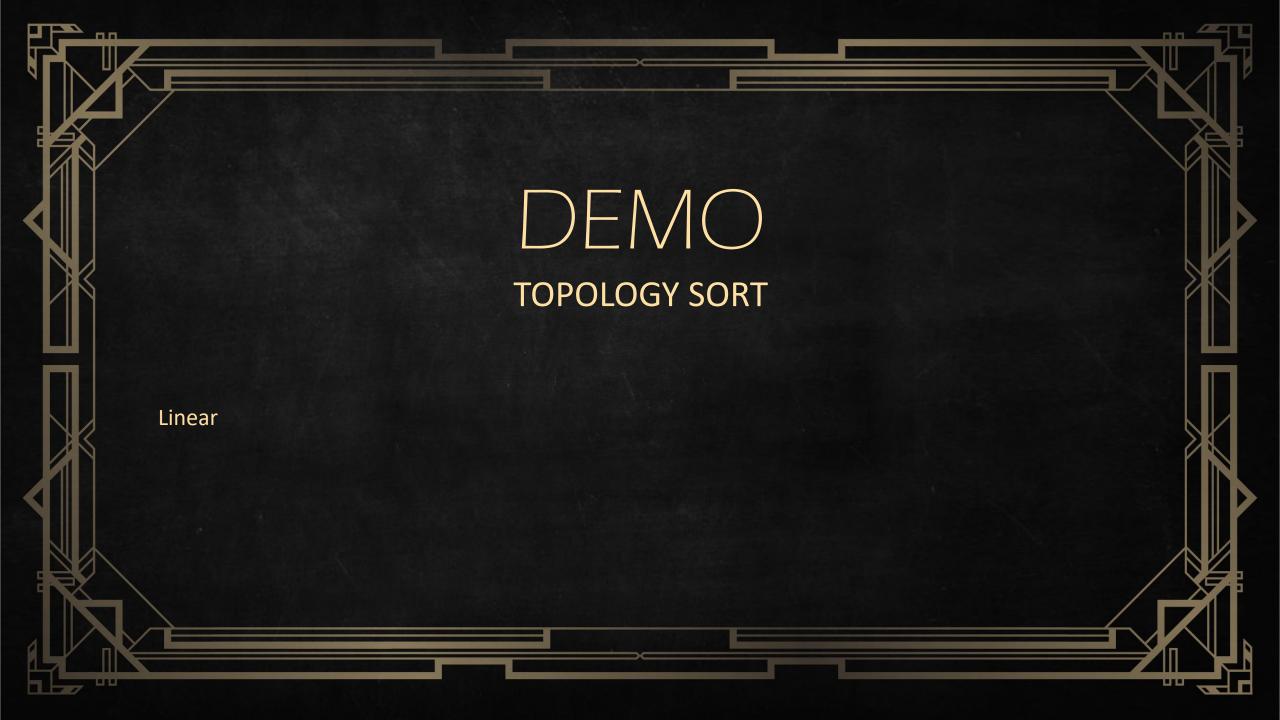


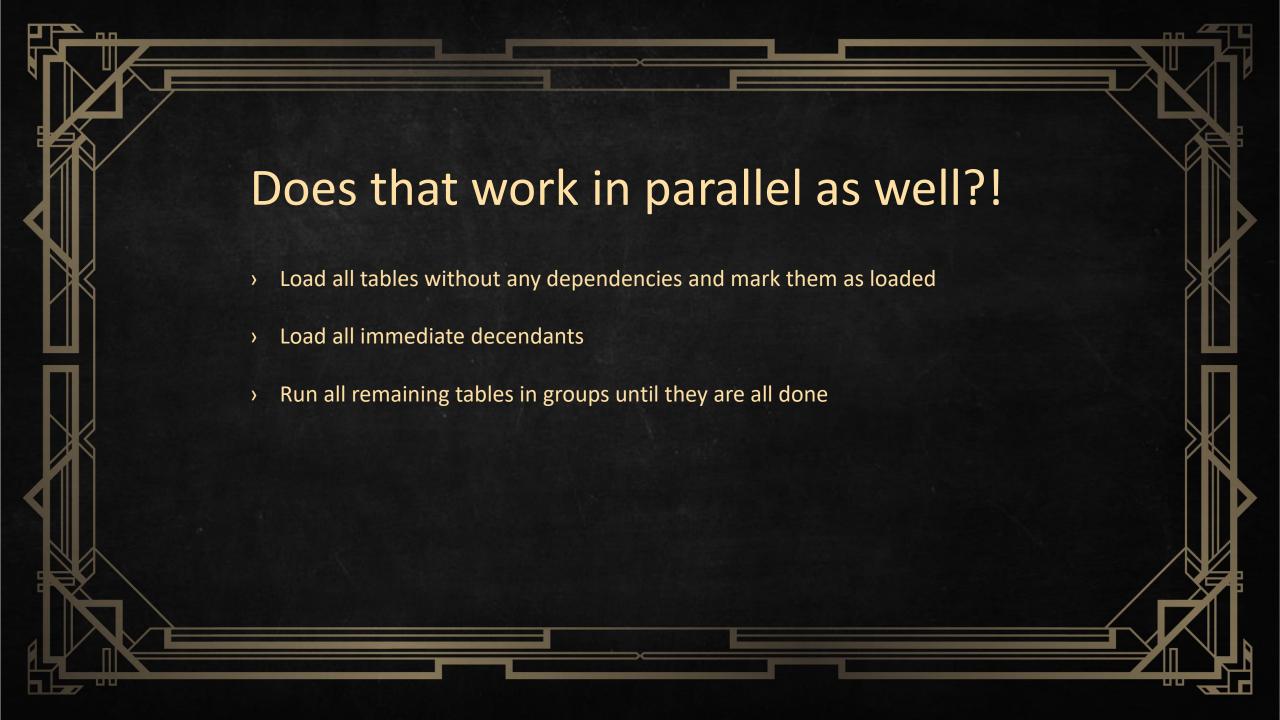


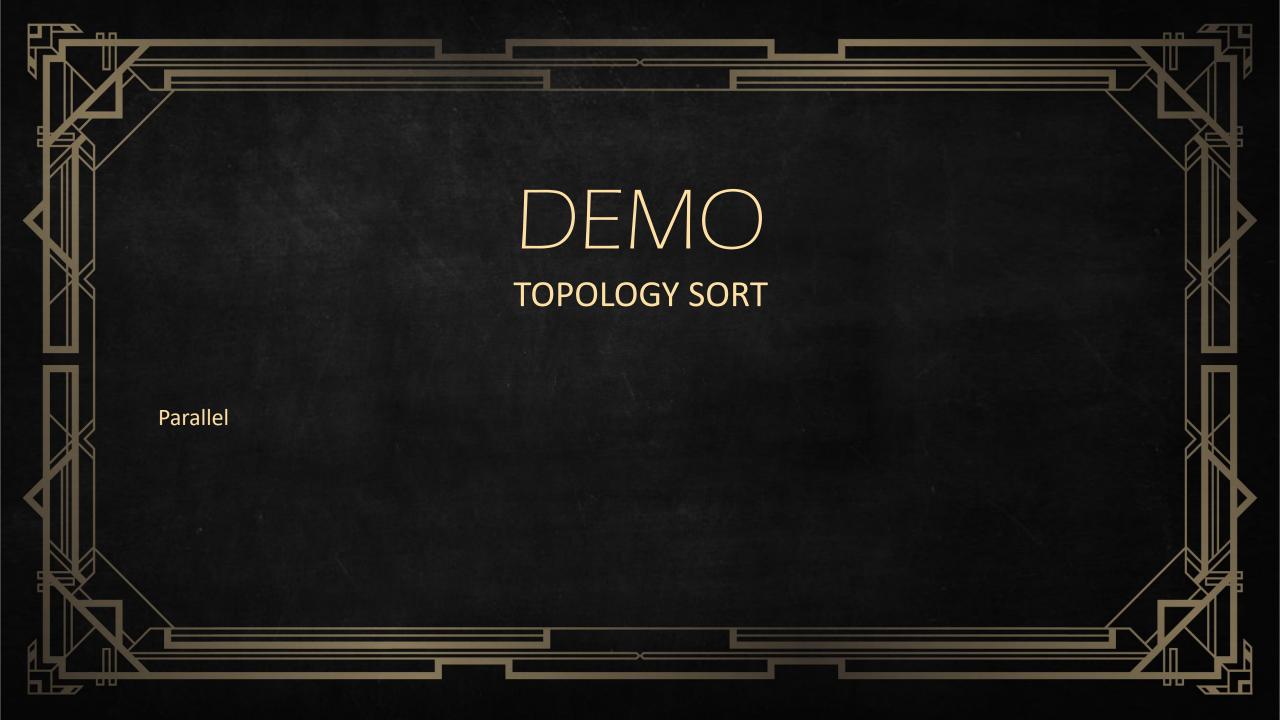


- > Run through a list of all tables
- Mark each table as "visited" and add them to a list
- Check for any tables pointing to the table that has not been "visited" yet and add them behind this table so they get loaded afterwards

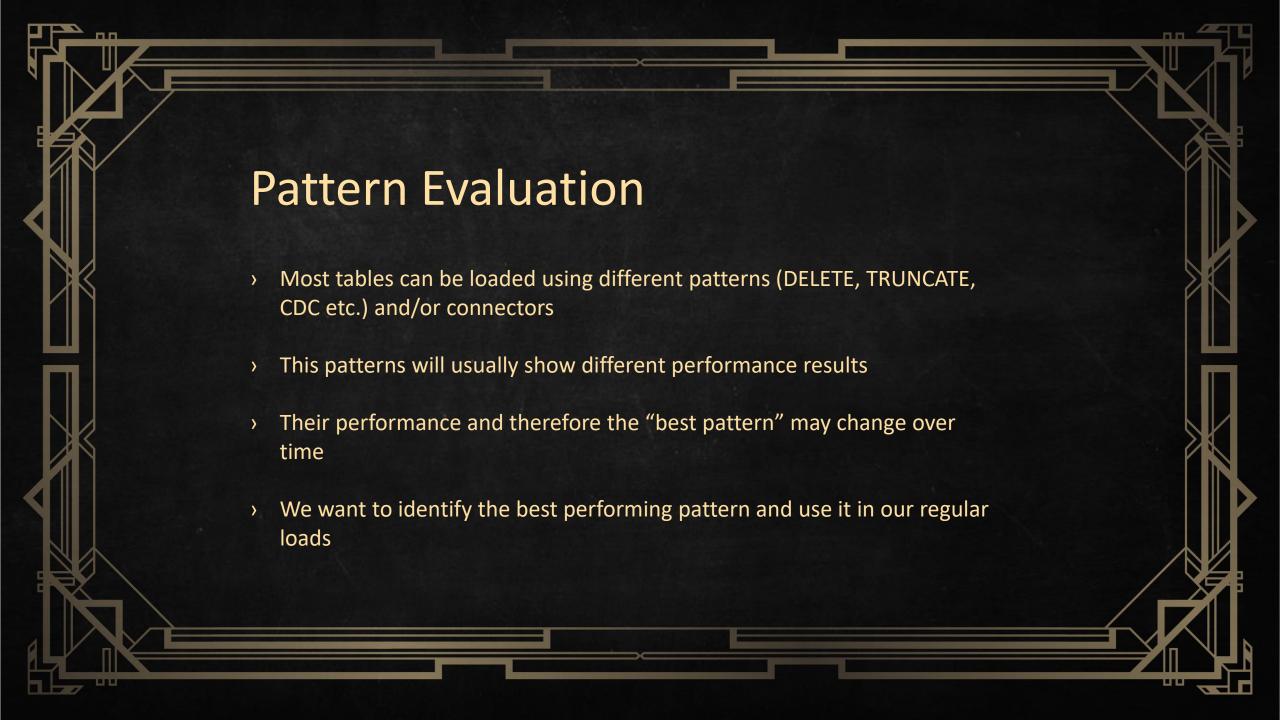










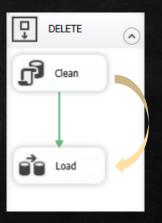




- > Execute each pattern n times
- Get the average execution time
- Mark the "best" pattern



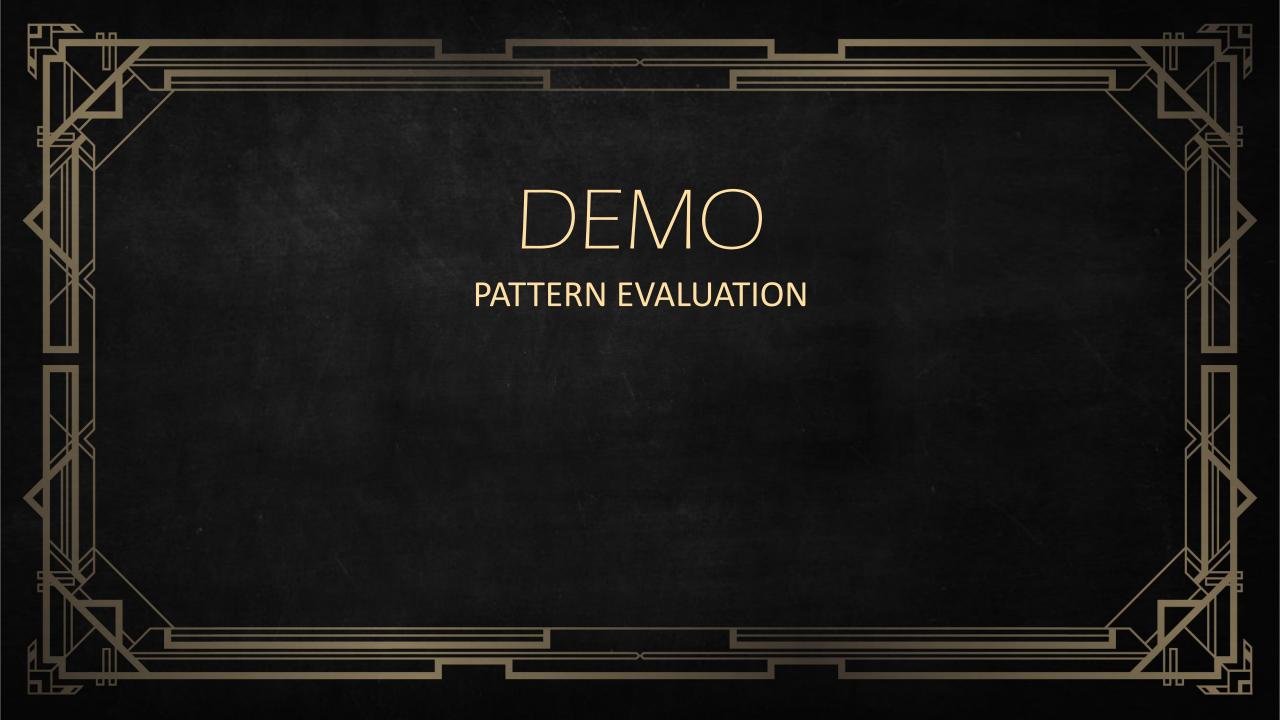




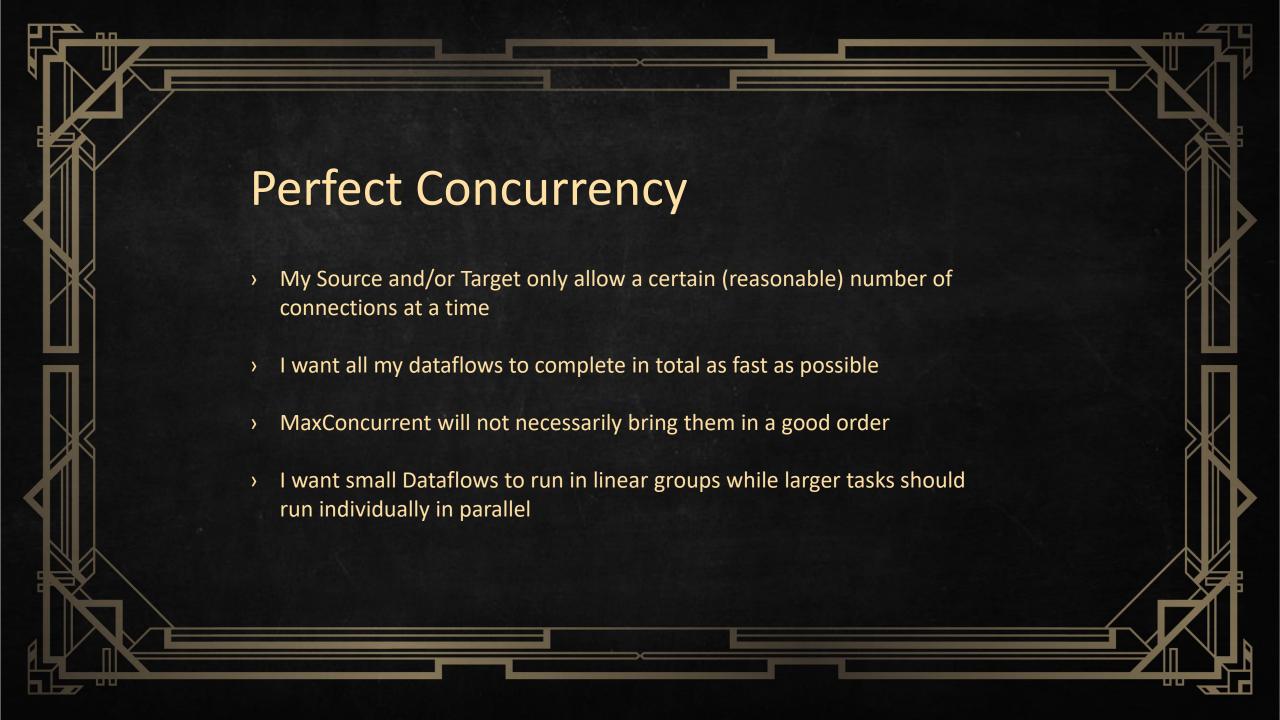




Ø 00:15









Load Container 1

Load Table 1

Clean

Clean

Load

- Define the number of which results in SSIS c
- ordered by time desc □ Load Container 2 Coad Table N □ Load Table 2
- Put each table in the "smalles container at that time and recalculate the container sizes
- This results in a more or less equal distribution of tables along the containers





- http://biml.blog/
- http://www.bimlscript.com/
- http://www.cathrinewilhelmsen.net/biml/

The Biml Book

Business Intelligence and Data Warehouse Automation

Andy Leonard
Scott Currie
Jacob Alley
Martin Andersson
Peter Avenant
Bill Fellows
Simon Peck
Reeves Smith
Raymond Sondak
Benjamin Weissmar
Cathrine Wilhelmser

apress[®]

