

# ETL Basics

Lesson 00:



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# Document History

Date	Course Version No.	Software Version No.	Developer / SME	Reviewer(s)	Approver	Change Record Remarks
June 2011	1	NA	Vandana Mistry			Content Creation
July 2016	1.1	NA	Swati Rao	Rajita Dhumal	Mahima Sharma	Material Revamp as per Integrated ToC for I & D LoT

### Course Goals and Non Goals

- Course Goals
  - At the end of this program, participants gain an understanding of basic concepts in ETL.
- Course Non Goals
  - Implementation of ETL tools.



### Pre-requisites

- Fair knowledge of DW concepts

## Intended Audience

- Software Engineers and Senior Software Engineers



### Day Wise Schedule

- Day 1
  - Lesson 1: Basic Concepts
  - Lesson 2: ETL Process
  - Lesson 3: Operational considerations
  - Lesson 4: ETL Tools

### Table of Contents

- Lesson 1: Basic concepts
  - 1.1: Data warehouse
  - 1.2: Data warehousing strategies
  - 1.3: Data warehouse architecture
  - 1.4: ETL Meaning
  - 1.5: Need for ETL
- Lesson 2: ETL process
  - 2.1: Data extraction
  - 2.2: Data transformation
  - 2.3: Data Loading

### Table of Contents

- Lesson 3: Operational Considerations
  - 3.1: Exceptional Handling
  - 3.2: Alerts and Notification
  - 3.3: Process restart-ability
  - 3.4: Job Scheduling and Monitoring
- Lesson 4: ETL Tools
  - 4.1: Choosing the correct ETL tool
  - 4.2: Leading ETL tool vendors



### References

- Student material:
  - Class Book (presentation slides with notes)
- Book:
  - The Data Warehousing ETL Toolkit – Ralph Kimball
- Web-site:
  - <http://www.datawarehouse.org>
  - <http://etl-tools.info/>




# Next Step Courses (if applicable)

- BI related tool training



## Other Parallel Technology Areas

- NA



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