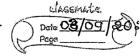
CTI TECTING CLASSMALE



<i>i</i>	ELL IESTING Date 08/09/2015
	INTRODUCTION TO ETL (DOLH) TESTING
	One of the key elements contributing t
-	the success of a DWH sol? is the ability of the
	test team to plan, design and execute a set of
	effective test that will help to identify multip
	issues related to data inconsistency, data quali
	failures in the extract, Transform and Load
	(ETL) process.
	The primary focus of testing
	should be on the ETL process. This includes
	validating the loading of all required *ows,
	correct execution of all transformations
	and successful completion of the cleansing
	operation.
	DWH projects largely concentrateen on
t a	data and moving data from one stream to
4	another stream to all reporting.
->	7
0	Database of an application
9	Flat file which have been processed from other
1	applications.
	OVERVIEW OF ETL OPERATIONS
	ETL: Extract, Transform and Load is used to
+	populate the DWH.
1	EXTRACTION: Extract is where data is pulled from
	source system.
-	* Databases
+	* Flat Files
-	* XML files
	* Excel File etc.

classmate

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1	
2	TRANSFORMATION: Data transforms into new
:	formats according to business rules. Apply
. ,	business lagic in this stage.
1	
· .	NOTE: Transformation can be the most complex
\	part of DWH.
·	
3	LOADING: Load is the where data is loaded
:	into the DWH.
·	
	
	There will be some standard tests for DWH that
,	should be carried as a part of testing for
	every out project.
*	These are strategies for testing ETL applications
٠١	are identified as below
έ>	Data Completeness: - Ensures that all expected data is loaded.
/	data is loaded.
	Data Transformation: - Ensures that all the
1	data transformed correctly according to
	business rules.
111>	Data Quality: - Ensures that all the ETL
	applications are correctly rejects, substitutes
	default values and reports invalid data.
٤٧	Initial Load / Full load testing
V	Incremental toad testing
vi	Presentation layer (BI/reports) Testing: Testing
	BI reports in DWH testing.
vii	Job dependency Testing.