

#	Topic	Sub-Topic
Day - 1		
1	Introduction	
		Introduction to Talend
		Why Talend?
		Talend Editions and Features
		Talend Data Integration Overview
2	Talend Environment	
		Talend Environment – Overview
		Repository and Pallate
		Talend Design and Views
3	Talend Jobs Designing	
		Start Talend Open Studio for Data Integration
		Create a Talend project to contain tasks
		Create a Talend Job to perform a specific task
		Add and configure components to handle data input, data transformation, and data output
		Run a Talend Job and examine the results
4	Working with files	
		Process different types of files using Talend
		Connect to a database from a Talend Job
		Use a component to create a database table
		Write to and read from a database table from a Talend Job
		Write data to an XML file from a Talend Job
		Write an XML document to a file
		Use components to create an archive and delete files
5	Assignments	
		Assignment #1
		Assignment #2
		Assignment #3
Day -2		
6	Working with Database	
		Connect to a database from a Talend Job
		Retrieve Schema from a database
		Read data from database table
		Load data to database table
		Use of ETL & ELT components, understand difference
		Transaction Management in Talend
		Implement SCD
		Use of Utility & row components
7	Transformations	
		Troubleshoot a join by examining failed lookups
		Use components to filter data
		Generate sample data rows
		Duplicate output flows

		Filter unique data rows
		Perform aggregate calculations on rows
		Extend data from one source with data extracted from a second source
8	Talend Context Variables	
		How to define context variables for a Job
		How to centralize context variables in the Repository
		How to apply context variables to a Job
		How to use variables in a Job
		How to run a Job in a selected context
9	Logs & Error Handling	
		Log data rows in the console rather than storing them
		Employ mechanisms to kill a Job under specific circumstances
		Include Job elements that change the behavior based on the success or failure of individual components or subjobs
10	Assignments	
		Assignment #1
		Assignment #2
		Assignment #3
Day-3		
11	Orchestration Components	
		Use components to filter data
		Generate sample data rows
		Duplicate output flows
		Employ mechanisms to kill a Job under specific circumstances
		Include Job elements that change the behavior based on the success or failure of individual components or subjobs
		How to use tRunJob component
		How to design Joblets and use them in Talend Job
		Configure an individual component to use parallel execution
		Use a Talend component to run subjobs in parallel
		Loop through a job execution - different methods
		Pre-Job & Post-Job activities
12	Managing routines (Custom Code)	
		What are routines
		Accessing the System Routines
		Customizing the system routines
		Managing user routines
		How to create user routines
		How to edit user routines
		How to edit user routine libraries
		Calling a routine from a Job
		Use Case #1
		Use Case #2
13	Talend Administration Center	
		Create a new user with design privileges
		Create a project

	Create a project that can be referenced by other projects
	Assign user access privileges to projects
	Create an SVN branch for a given project
	Create an execution task that runs a Job
	Generate, deploy, and run a task as a single operation
	Generate, deploy, and run a task as three separate operations
	Execute a task repeatedly at specified times
	Copy a Job from one branch to another
	Compare the differences between two versions of the same Job
	Configure the TAC Activity Monitoring Console (AMC) to access the stored Job monitoring data