Data preparation made easy!

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Sandbox Environment

URL:

https://sb1.bluera.com/sb1

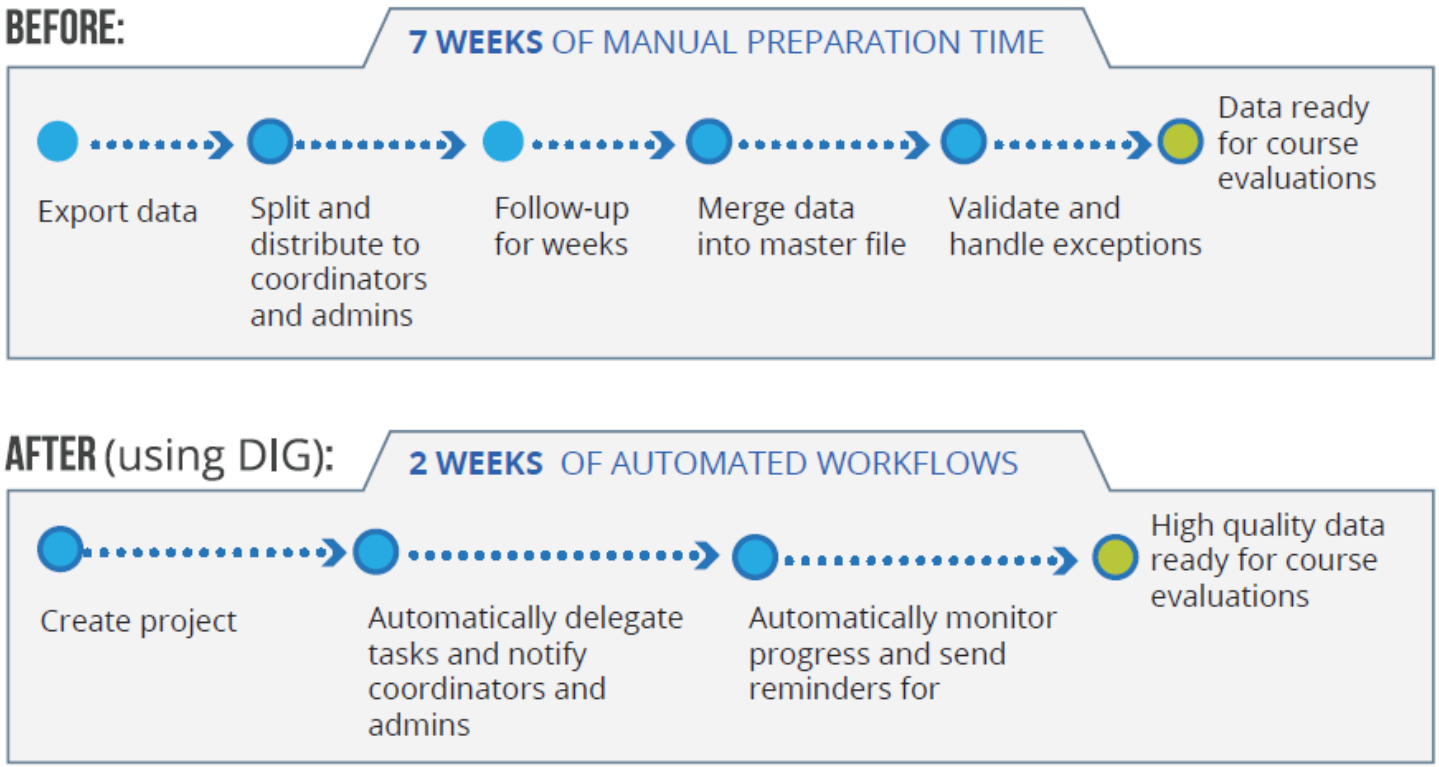
Username: your email

Password: Blue2017

Agenda

- Why use DIG
- Data structure and flow
- DIG Definition
- DIG Project
- Datasoure Rules
  - Add/Remove records
  - Merge & Split records
- Record Rules
  - Modify records
- Publish and Manage DIG Project
- Configurations for the evaluation project

DIG IN ACTION - COURSE EVALUATION PREPARATION



Life with & Without DIG

Data Preparation

Evaluation

Analysis

Action

Data Preparation

Evaluation

Analysis

Action

You can use DIG to:

Data Integrity Gateway (DIG)

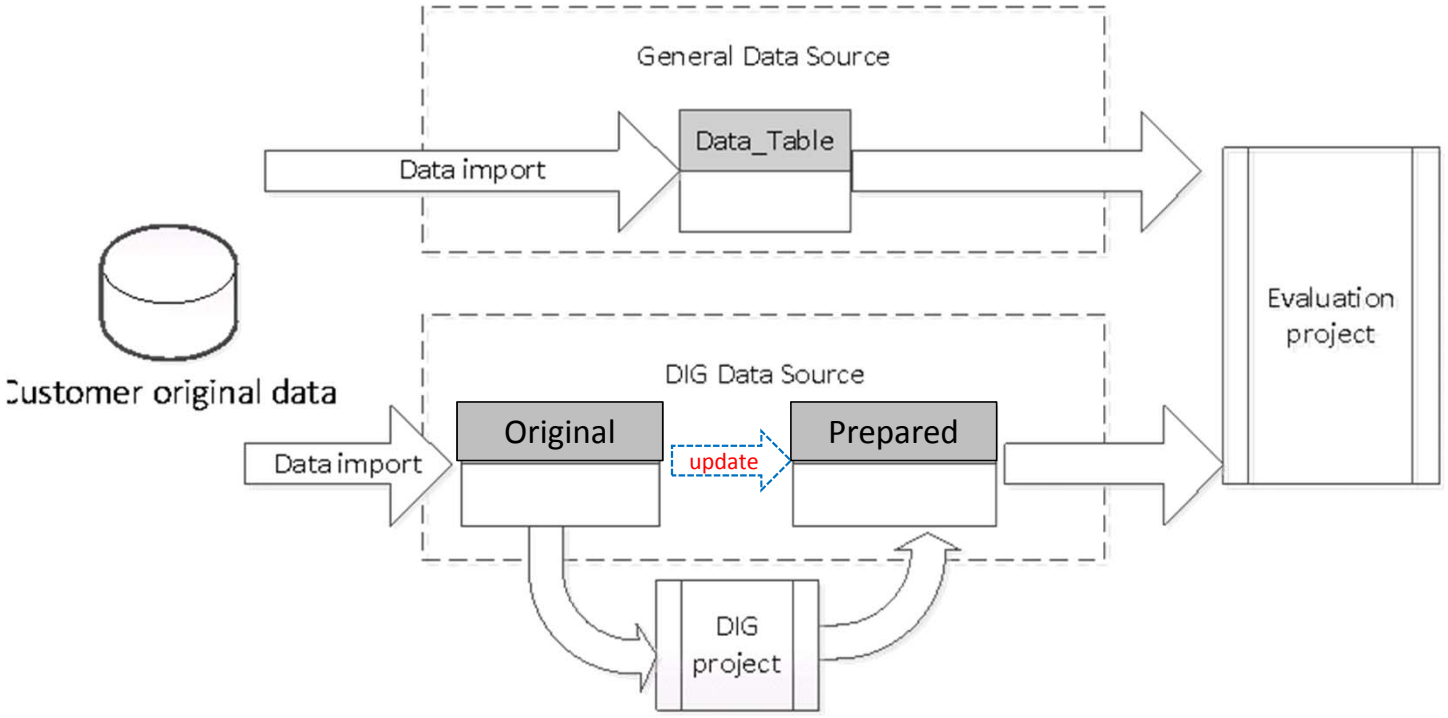
Solution data preparation needs

- Clean errors in data before the feedback process
- Add missing data before the feedback process

Features

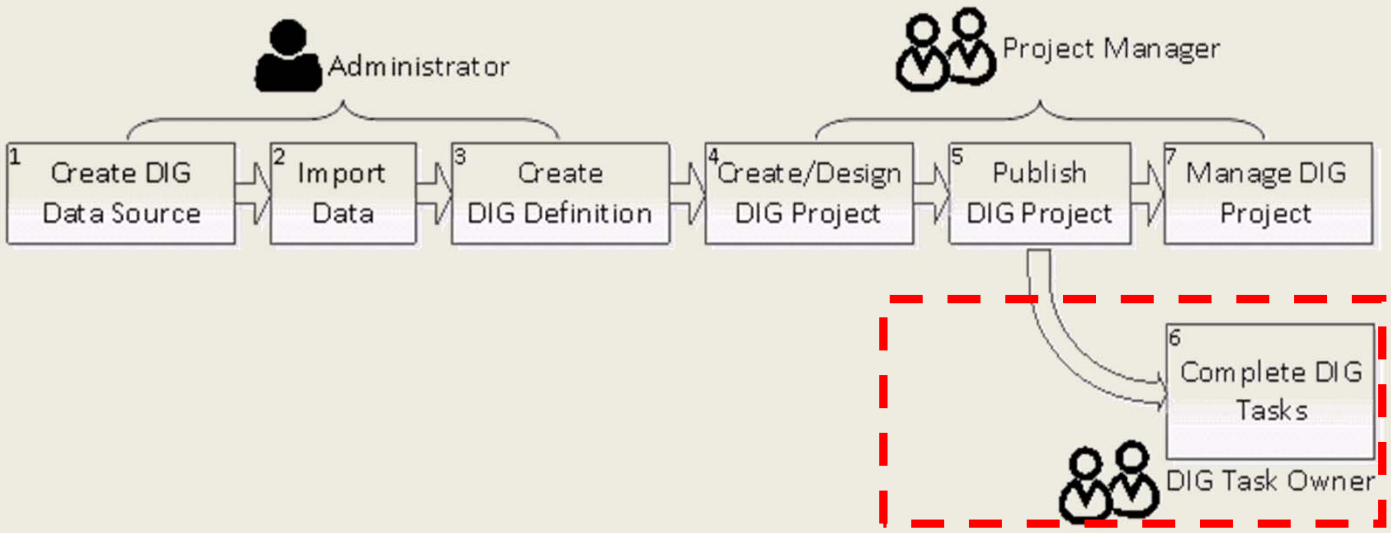
- Delegate the tasks to the responsible people
- Set automatic follow-up emails and dynamic end dates
- Setup validation rules
- Automatically refresh the data
- Automatically transform push the data to the evaluation project once it is ready

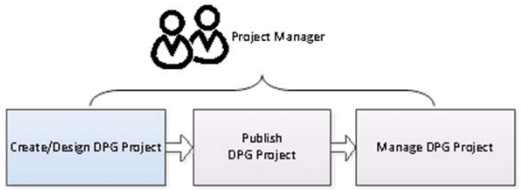
DIG Data Structure and Flow



- Prepared records are automatically updated by the original data.
- **Prevent update** can be applied on fields in prepared data if the record has been **saved** or **published**

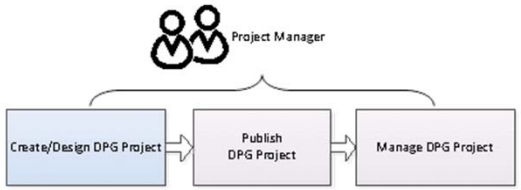
DIG Concept & Workflow





DIG in Blue – Rule Overview

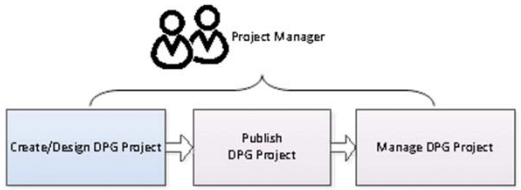
Datasource				Record	
Primary Subject		Secondary Subjects		Primary Subject	Secondary Subjects
Split	Merge	Add/Remove	Allow new	String (i.e. name, email, photo, language) Integer/ Number (i.e. age,credit) Date ❑Regular Expression ❑Min/Max Characters ❑Range of numbers or dates ❑List of items	
❑Random ❑Sequential	❑Random ❑Combine		❑Random		



DIG in Blue – Record - Rule

Record	
Primary Subject	**Secondary Subjects**
String (i.e. name, email, photo, language) **Integer/ Number (i.e. age,credit)** **Date** ❑Regular Expression ❑Min/Max Characters ❑Range of numbers or dates ❑List of items	

Rule	Description	Object
Regular	If define a REG-EXP for a field, when task owner modify row value in this field, DTG will validate the result based on this REG-EXP.	A string field
String	Give minimum and/or maximum characters number of a string field.	A string field
List	List all eligible values. Task owner input value can only be one of the list items.	A string field
Min/Max Number Range	Give minimum and/or maximum number for a numerical field.	A numerical field
Min/Max Date Range	Give earliest and/or latest date for a date-time field	A date-time field



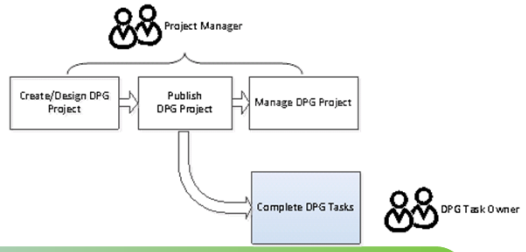
DIG in Blue – Record – Regular Expression

A regular expression is a pattern that the regular expression engine attempts to match in input text. A pattern consists of one or more character literals, operators, or constructs

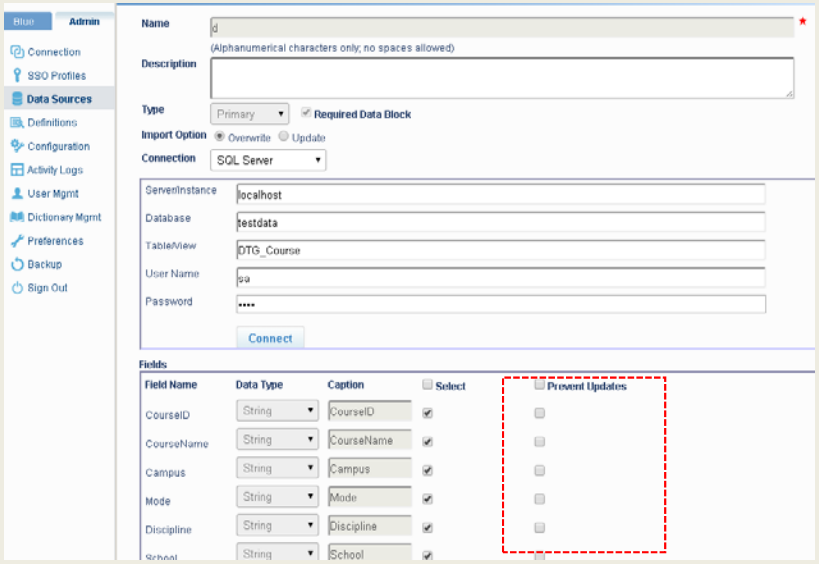
* Source: https://msdn.microsoft.com/en-us/library/az24scfc(v=vs.110).aspx

EXAMPLE

	Regular Expression	Valid	Invalid
Email	**^\w+([-+.]\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*$**	**test@exp.com**	**test.exp.com** **test@exp**
Customized	**\[CHAR$\d{1,3}\]**	**[CHAR$12]**	**[ABC$12]** **[CHAR$1233254]** **[CHAR$ABC]**



Data sources fields prevent updates



Prevent data fields to be overwritten by imports form IS after save or publish in DIG project

Configuration for Evaluation Project

- You can configure the subject filter in the evaluation project to only include subjects that are published by a DIG project by using the “Transformed” field.
  - Set the filter to Transformed is Yes.