

CI/CD TRAINING

THE PLUMBING THAT MAKES YOUR LIFE EASIER
AND MORE CONSISTENT!
CONFIDENTLY CREATE YOUR OWN CI/CD PIPELINES.



CI/CD TRAINING - THE PURPOSE

In this training, you will be given all the details to enable the creation of your own CI/CD pipelines allowing code or metadata generated by WhereScape Automation tools to be pushed/pulled using a GIT repository.

During this training, Engaging Data will provide the following:

- Access to a Training VM, where you can develop your CI/CD code.
- Access to WhereScape 3D and RED.
- Design consideration and variations of GIT/WhereScape configurations.
- Provided the information about how to configure WhereScape & other command line tools.

Each candidate will receive:

- A copy of all code used during the course.
- Instructions covering the development of code & integration into the WhereScape application.

The best results are obtained by working with groups of WhereScape user who have the experience and knowledge GIT and WhereScape tools.

This workshop is designed to explore data with Business Users, supported by technical IT resources, which will provide information that helps to develop the solutions.

The following Attendee Skillsets have been defined:

Data Engineer/Modeller:

- Uses WhereScape RED or 3D on a daily basis
- Has knowledge/experience using GIT

Lead:

- Runs a team of Data Engineers/Modellers
- Has used WhereScape RED or 3D
- Has knowledge/experience using GIT

INTRODUCTION TO CI/CD FOR WHERESCAPE 3D

During this part of the training, the Tutor will provide the candidate with an Introduction to CI/CD scripts for 3D before discussing how to set up GIT for WhereScape 3D.

The Tutor will lead the candidates through developing the scripts for seamless integration with WhereScape 3D or CICD tool, allowing the code or metadata to be pushed and pulled into a GIT repository.

Introduction to CI/CD scripts for 3D:

- Consideration & variation of designs
- GIT configuration (mapping folders to WS3D repo)

Initial 3D Setup for GIT:

- Pre-requisite: GIT, Desktop installs etc
- Latency considerations
- Codebase

WhereScape 3D:

- How it creates temporary scripts
- Audit logs

Creation of a Template to work with GIT:

- WhereScape Command Line: How to interact with the code.
- The initial build of the script:
 - Extract a model
 - Commit to GIT

Process of committing to GIT:

- Integrating into Template Manager
- Connect to workflow

Configure workflow to WS3D Category:

- 3D to RED deployment script:
 - Adapt existing commit to GIT script for RED Export.
- 3D to 3D deployment script:
 - Adapt existing commit to GIT to import an XML file.

INTRODUCTION TO CI/CD FOR WHERESCAPE RED

During this part of the training, the Tutor will provide the candidate with an Introduction to CI/CD scripts for RED before discussing how to set up GIT for WhereScape RED.

The Tutor will lead the candidates through developing the scripts for that will work with any CICD tool, allowing the code or metadata to be pushed and pulled into a GIT repository.

RED Setup for GIT:

- How the pipelines work
- The importance that RED uses wst files, not XML files
- Different command line

WhereScape RED:

- How it creates temporary scripts
- Audit logs

Introduction to CI/CD scripts for RED

- Consideration & variation of designs
- GIT configuration (mapping folders to WSRED repo)

Creation of a script to work with RED/GIT

- WhereScape RED Command Line: How to interact with the code.
- The initial build of the script:
 - Create Application files
 - Commit to GIT

Creation of a script to work with Admin Set Up/GIT

- WhereScape Admin Command Line: How to interact with the code.
- The initial build of the script:
 - Apply XML files to a repo
 - Commit to GIT

Creation of a script to work with Admin Set Up/ GIT

- WhereScape Admin Command Line: How to interact with the code.
- The initial build of the script:
 - Apply WST files to a repo
 - Commit to GIT

TRAINING TIMINGS

TIME	SECTION	TIMING
9:00	Introductions	10 mins
9:10	Introduction to CI/CD	20 mins
9:30	Initial 3D Setup for GIT	20 mins
9:50	WhereScape 3D - temporary scripts	10 mins
10:00	WhereScape 3D Command Line	10 mins
10:10	Creation of a Template to work with GIT	20 mins
10:30	BREAK	15 mins
10:45	Process of committing to GIT	15 mins
11:00	Workflows & Category config	15 mins
11:15	RED Export	30 mins
11:45	Import from GIT	15 mins
12:30	LUNCH	60 mins
13:30	Introduction to RED CI/CD	20 mins
13:50	RED set up for GIT	10 mins
14:00	WhereScape RED Command Lines	10 mins
14:10	WhereScape RED - temporary scripts	10 mins
14:20	Creation of a script to work with RED/GIT	30 mins
14:50	Process of committing to GIT	10 mins
15:00	RED to RED deployment script	10 mins
15:30	BREAK	15 mins
15:45	RED to RED deployment script	15 mins
16:00	3D to RED deployment script	45 mins
16:45	Close	15 mins

ENGAGING DATA CI/CD TRAINING

Our CI/CD Training course is a virtual classroom-based training course.

The Training Course is only £1,500!

Reducing to £1,200 + VAT when you're confirmed as an active WhereScape Customer.

Group discount is available.

START IMPLEMENTING CI/CD PIPELINES IN YOUR ORGANISATION.

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