

CASE STUDY

NATIONAL TRAINING REGISTER DATASET IMPORT

COTHER DIGITAL
ACTION LEARNING INSTITUTE
AUSTRALIAN REGISTERED
TRAINING ORGANISATION



CHALLENGE

Bringing the Units and Components described at training.gov.au that make up official training certifications and qualifications into Action Learning Institute's existing web application, MyLearningMap.

CONSTRAINTS

- 1** Unit descriptions on training.gov.au are presented as inconsistently structured human entered and readable text.
- 2** MyLearningMap is expecting fine-grained criteria, skills and requirements that are embedded in the textual content.
- 3** Unit contents may change at any time and the imported data should be no more than a day old.

SOLUTION

Scheduled task that scrapes the Training.gov.au website for the required fields from the unit and parses/translates this into strict structured usable database records that can be used in their application

HOW THE SOLUTION WORKS

1

Scheduled task runs each morning that:

- Accesses the training.gov.au SOAP API to determine which unit descriptions have changed since the last run.
- Schedules a new scrape of the affected units.

2

Web scraper picks up one of the scheduled units, extracts the criteria, skills and requirements against the possible expected formats, and submits the structured data to the MyLearningMap Training Unit Database.

3

The newly structured data presents itself to be available to the rest of the application, in this case, it allows the users of the application to map official training metrics against evidence of training program participants being competent against each of these training metrics.

WE HELP PEOPLE
USE TECHNOLOGY TO
MAKE A DIFFERENCE.

GET IN TOUCH

1300 556 531

sales@firstfocus.com.au

www.firstfocus.com.au