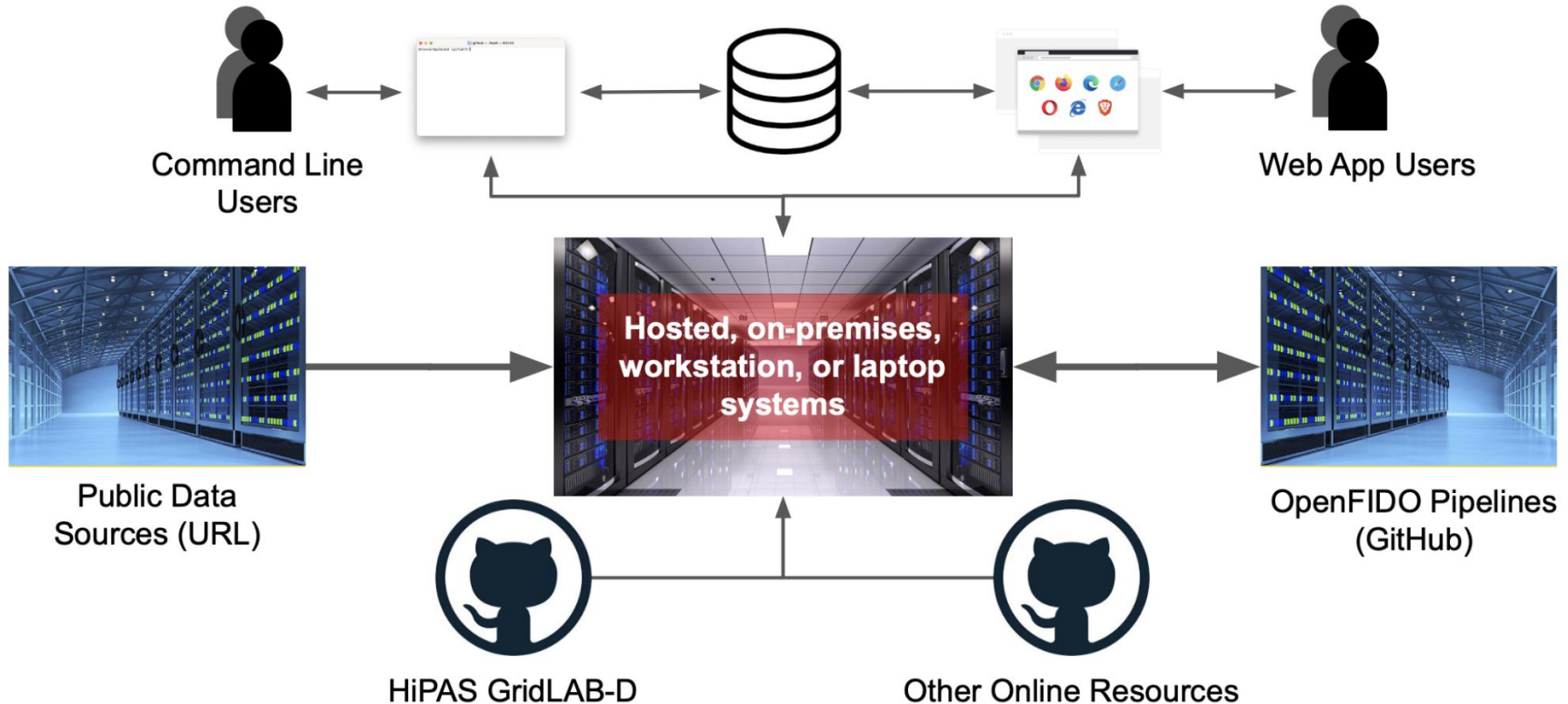


OpenFIDO

Project Status
15-Feb-2024



OpenFIDO architecture



Pipeline Example 1: Cyme Converter

START A RUN

Manually fill the 'config' form

CYME database(s)

Table(s) to extract

Extract condition

Timezone locale

Post processing

Output files

GLM Settings

Default nominal voltage (kV)

Network profile

Include files (SLM)

Model fix file (CSV)

Command options

Assumption handling

PNG Settings

Graph filename

Image size (WxH)

Node size (pixels)

Node color

Font size (pts)

Root node

Image layout

[Submit form](#)

Drag and drop your input file here, or [browse](#).

[Start Run](#)

PIPELINE RUNS: CYME TO GRIDLAB-D CONVERTER

All Runs: [+ Start a run](#)

Run #7
Started At: 4/14/22
Duration: a few seconds [Succeeded](#)

Run #6
Started At: 4/14/22
Duration: a few seconds [Succeeded](#)

Run #4
Started At: 4/14/22
Duration: a few seconds [Succeeded](#)

Run #3
Started At: 4/13/22
Duration: a few seconds [Succeeded](#)

Run #2
Started At: 4/12/22
Duration: a minute [Succeeded](#)

Run #1
Started At: 4/12/22
Duration: a minute [Failed](#)

Overview

Run #7

Started At: 4/14/22 12:45:55pm

Completed At: 4/14/22 12:46:12pm

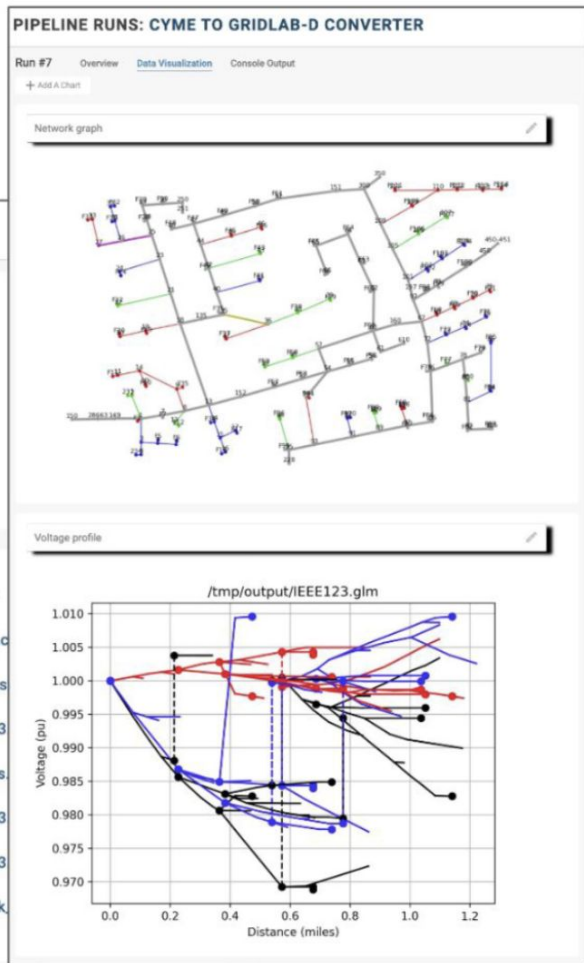
Duration: a few seconds

Input Files

Input Files	Size
config.csv	
settings.csv	
modify.csv	
config.glm	
IEEE123.mdb	

Artifacts

modify.c
index.cs
IEEE123
settings
IEEE123
IEEE123
network



Pipeline Example 2: Loadshape analysis

START A RUN

Manually fill the "config" form

Input

AMI data file

CSV format

Date/Time column(s)

Meter ID column

Value column

Timezone column

Date/Time format

Analysis

Group count

Output

Output loadshape CSV filename

Plots

Plot filename

GridLAB-D

Load map input CSV

GLM clock output

GLM loads output

GLM schedules

Options

Enable verbose output

Enable debug output

Submit form

Drag and drop your input file here, or [browse](#).

Start Run

Help

PIPELINE RUNS: LOADSHAPE ANALYSIS

All Runs:

+ Start a run

Run #9
Started At: 8/9/22
Duration: a minute
Succeeded

Run #8
Started At: 5/4/22
Duration: a minute
Succeeded

Run #7
Started At: 5/4/22
Duration: a minute
Succeeded

Run #6
Started At:
Duration:
Not Started

Run #4
Started At: 4/14/22
Duration: a minute
Succeeded

Run #2
Started At: 4/12/22
Duration: a minute
Succeeded

Overview

Data Visualization

Console Output

Run #9
Started At: 8/9/22 10:47:50am
Completed At: 8/9/22 10:49:14am
Duration: a minute

Input Files

Size

ami_data.csv

loadmap.csv

config.csv

PIPELINE RUNS: LOADSHAPE ANALYSIS

Run #9

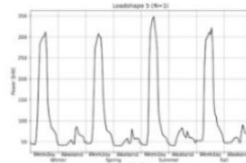
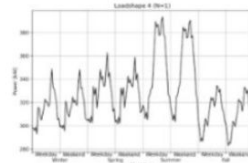
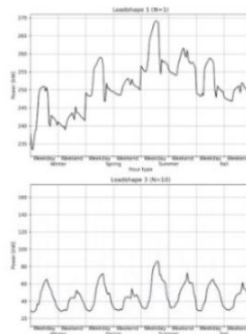
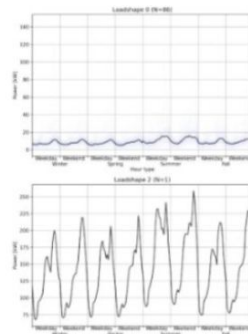
Overview

Data Visualization

Console Output

+ Add A Chart

Load shapes















Operational status











- AWS EC2 instances running ok (5 workers and 1 db tunnel)
- 12 S3 buckets for various data repositories and support files
- 2 hosted zones on Route 53
- 7 IAM users in 1 group (1 user needs to be removed)

No information on transfer status to LF Energy available at this time

Application Status

App Service	Auth Service	Workflow Service	Client Service
			
			
			

Pipeline status

Pipeline	Status		
Tariff Design	 validation failing	Resilience	 validation failing
Loadshape	 validation passing	Hosting Capacity	 validation passing
Weather	 validation passing	Electrification	 validation passing
HiPAS GridLAB-D	 validation passing	Address	 validation passing
Census	 validation passing	Cyme Converter	 validation passing

More information

OpenFIDO Org Files: <https://github.com/openfido>

OpenFIDO CEC Files: <https://github.com/slacgismo/openfido>