

OpenFIDO (EPC-17-047)

TAC Meeting #7

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Project status overview



Activities

1. Operational status
2. Open issues/resolution
3. Demonstration

Online documentation

- <http://help.openfido.org/>
- <https://auth.openfido.org/apidocs/>
- <https://api.openfido.org/apidocs/>

Today's Demonstration

- CYME model converter
- AMI loadshape analysis
- Weather data access
- Adding assets to network models
- Running resilience analysis

Operational status

SLAC

Online/cloud platform (AWS)

- Registered/invited users only
- <https://app.openfido.org/>

On-premise/private cloud platform

- Testing in progress at SCE (🔍)

Local/private workstation platform

- Deployed via OpenFIDO CLI
- Available to general public
- <https://github.com/openfido/cli>

Pipeline status

1. CYME model extractor
2. GridLAB-D (converters, geodata, tools)
3. Integration Capacity Analysis (🟡)
4. Electrification (🟡)
5. Tariff analysis (🔍)
6. Resilience analysis (🔍)
7. Wildfire analysis (🚧) [DOE-funded]
8. NERC load composition data generator

🔍: validation in progress

🟡: updates pending

🚧: not available to users at this time

Open issues and resolution status

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Identified issues

1. Pipeline start dialog

Lacks clear guidance as to what data/files are required to successfully run pipeline

2. Visualization dialog

Needs options to handle various forms CSV outputs (e.g., transpose)

3. Lack of clear diagnostic outputs

Output messages do not provide guidance on how to fix the problem found

Resolution status

1. Form-based pipeline start dialog (

Pipelines can present input form that generates files needed to run

2. Upgraded visualization dialog (

Visualization dialog will support additional options and plot formats

3. Improved diagnostic output (

Pipelines use error message guidelines for troubleshooting



: validation in progress



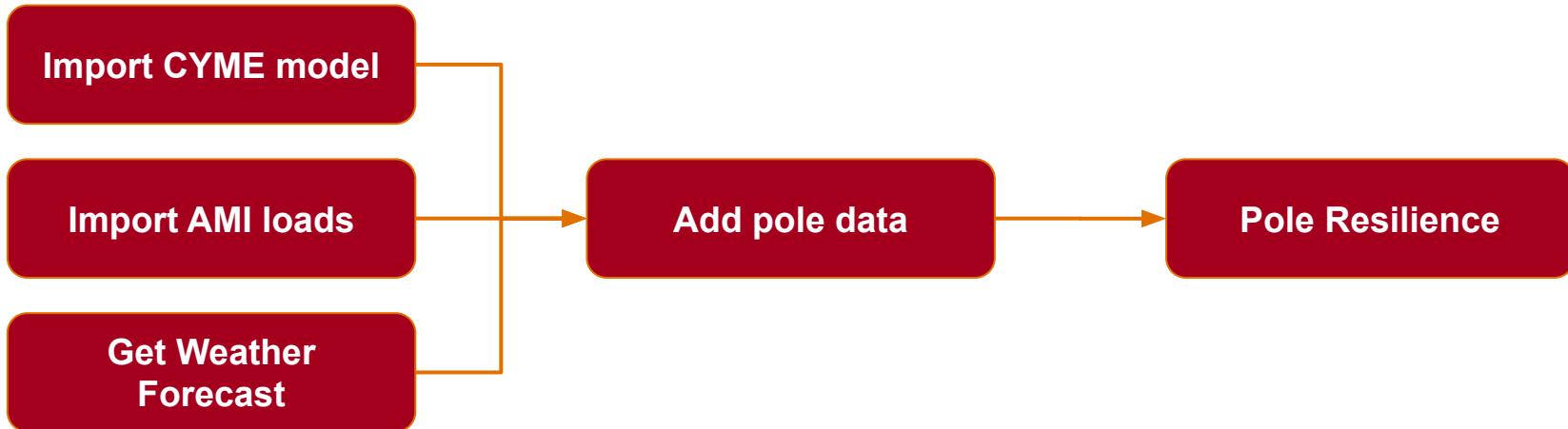
: updates pending



: not available to users at this time

OpenFIDO Tutorial Overview

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1. Install OpenFIDO CLI from <https://github.com/openfido/cli>
2. Run CLI command "openfido server start"
3. Run CLI command "openfido server open"
4. Follow script in README at <https://github.com/openfido/openfido-tutorial>

Thank you

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OpenFIDO source available online at <http://www.openfido.org/>

Documentation available online at <http://help.openfido.org/>