ASPEN

ASPEN OneLiner Training Course For Protection Engineers. November 8 - 21, 2021 (Web-based)

This training course is designed for engineers who are using ASPEN OneLiner to perform short circuit and relay coordination studies and wish to become more proficient in using the program in system modeling, short circuit calculations, breaker rating studies, relay modeling, and protection coordination studies. The course is intended for users of all levels. Click on THIS LINK to view additional details and registration instructions.

OlxAPI Python Application

Users Group Meetings

Before the COVID-19 pandemic, we held in-person users group meetings twice a year, once in the Georgia Tech Relay Conference in the spring, and once in the Western Protective Relay Conference in the fall. On the average, a few tens of users attend each of these meetings.

These in-person meetings were replaced by remote webinars on different topics since the onset of the pandemic. The presentations in each of the webinars were typically followed by a questions-and-answer period. The latest webinar was on the subject of "What's New in OneLiner v15."

We were pleasantly surprised that many of these webinars were attended by hundreds of users. The higher attendance of on-line webinars convinced us that it is by far the best way for us to communicate with users. There will be no more in-person users-group meetings from now on.

Development Workshop December 7-8, 2021 (Web-based)

This online workshop is for OneLiner users who want to develop their own ASPEN OlxAPI Python apps to perform network model data management, fault studies, relay coordination, and other tasks. You will learn how to write Python programs that make use of the ASPEN built-in OlxAPI Python library to process OneLiner model data and run the program simulations. The workshop will consist of two 2-hour web-meeting sessions on WebEx with ASPEN instructor and off-line self-paced practice exercises. Click on THIS LINK for additional details and registration.

ASPEN Price Increase effective Feb. 1st, 2022

We are going to raise our license fees by 3% on February 1, 2022, to keep pace with inflation. The annual maintenance fees will go up by the same percentage.

You can avoid the increase in software maintenance fee by paying for the

Before each remote webinar, we send an eMail message to each user in our user database. You can also check on the upcoming seminars by visiting the Events page of our website www.aspeninc.com.

Some of the webinars are recorded. You can find the recordings in the "ASPEN Inc. Channel" in YouTube.

OneLiner Classes

In the last 15 months, remote OneLiner classes were taught once every few months. Some of the classes are specifically tailored to users who do not work with relays. If you are interested in attending a class on OneLiner and/or other ASPEN software, please visit the Events page of our website www.aspeninc.com from time to time.

New Text Data Format for OneLiner and Power Flow

Version 15 of OneLiner and Power Flow has two new text data file types with extensions OLX and ADX.

The OLX data file is an XML formatted text file that is designed to store all the parameters of an OneLiner case: power network components, protective devices, modeling parameters and other details. The ADX data file is also an XML formatted text file that is designed to store changes in the network. Both OLX and ADX files share a common XML scheme.

maintenance fee prior to February 1, even if the maintenance period extends beyond that date.

If you are planning to acquire additional copies of our software, you can avoid the price increase by sending us a purchase order prior to February 1, 2022.

The OLX data format, and the ADX change file format, are designed to be compatible with the CIM standards (IEC 61968, IEC 61970) and are intended to be a medium of exchange between ASPEN OneLiner/Power Flow and other programs based on the CIM standards.

The OLX and ADX data are extensible and can be easily augmented to support new features in future versions of the program while maintaining full read/write compatibility with prior versions.

OneLiner and Power Flow read the OLX text data file under the File | Open Text Data File command. These programs generate network data file under the File | Export | Network Data command.

What about the good old text data format DXT? It is still being used in v15 primarily as outputs from data conversion programs, and it will be around until the end of 2024. The XML standard is here to stay.
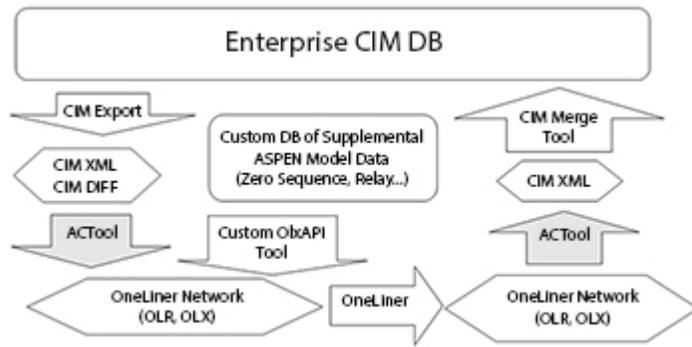
ASPEN CIM Module

We have developed a new add-on module in the OneLiner software package to facilitate the exchange of ASPEN network- and relay-model data using the CIM standard. The new CIM module includes:

1. The ASPEN CIM profile with the extensions for ASPEN all network model data and relays.

2. A Python program ACTool that performs the following tasks:

- Create the OneLiner bus-branch network from a CIM XML data file.

- Convert CIM DIFF XML file with the network model changes to the corresponding OneLiner change file in the ADX format.

- Convert ASPEN network model in OLR and OLX file formats to CIM XML data file.

- Convert ASPEN ADX change file to CIM Diff XML data file.

- Trigger additional OlxAPI applications to perform required network model data processing tasks.

The most straightforward application of the ASPEN CIM module is model sharing with other applications that also support the CIM data standards. ASPEN users will use the ACTool to export all or a part of their OneLiner network to a CIM XML file, that can be imported by another application. In the opposite direction, the ACTool program can convert CIM XML data files that were exported from another application to the OneLiner OLX file. When required, the OLX network data file can be further augmented with the missing data, e.g. relay settings to make the model ready for OneLiner studies.

The ASPEN-CIM module can also be included in the enterprise CIM-based network model data management system as shown in the following picture:

The ASPEN-CIM module will be shipped with a service component, which is designed to help users make custom adaptations to the ACTool to match their existing enterprise CIM profile and also to make it an integrated element in the enterprise CIM data flow.

Please contact ASPEN Support for additional details and demo of the ASPEN-CIM module.

Relay Database C/S Web Interface Extension Rebuild and the Brand New Web API Module

The Web interface extension component that we shipped with the recent v11.5 release of the ASPEN Relay Database software had been re-built from the ground up using the latest Microsoft MVC web technology with enhanced performance, security, and reliability. The new Relay Database Web extension features a modern UI/UX design, in which users will find all the expected elements of a state-of-the-art web application. You can view the live demo of the Relay Database Extension on the ASPEN website at THIS LINK

Additionally, the ASPEN Relay Database v11.5 release includes a brand-new WebAPI module,

also built using the latest Microsoft technology. The Relay Database WebAPI module provides a modern Application Programming Interface (API) that allows secure and reliable access to the relay settings and other data in the Relay Database. ASPEN users will be able to make use of the API to build their own web and desktop applications to extend the relay database functionalities. The WebAPI module will also facilitate the integration of the ASPEN Relay database into the enterprise systems. Please contact ASPEN support to arrange a demo, and to inquire about user training for this module.

New Customers Since January 2020

2178750 Alberta Ltd,
Victoria, BC, Canada

Active Power Engineering,
Spanish Fork, UT

Aneden Consulting Inc.,
Seattle, WA

ARC Engineering, LLC,
Sheridan, WY

Automation Protection and Control,
Lakeland, FL

Azariah Engineering Services,
Silverton, OR

Brooks Consulting, LLC,
Windsor, CO

Calpine,
Dublin, CA

CEC Corporation,
Oklahoma City, OK

COMETS,
Guatemala City, Guatemala

Delta Montrose Electric Assoc.,
Montrose, CO

K&A Engineering Consulting,
White Plains, NY

Lewis County PUD No 1,
Chehalis, WA

Lone Star Transmission,
Hillsboro, TX

LS Power Development,
Chesterfield, MO

Luzco Technologies, LLC,
Granite City, IL

Mho Technologies Corp,
Calgary, AB, Canada

MMR Group, Inc.,
Baton Rouge, LA

Mortenson Company,
Minneapolis, MN

Northline Utilities, LLC,
Ausable Forks, NY

OHM Engineers,
Las Vegas NV

Orsted Services A/S,
Frederica, Denmark

DRG Technical Solutions, LLC,
Columbia, SC

Duquesne Light Company,
Pittsburgh, PA

Echo Power Engineering, LLC,
Lexington, KY

ETA Consulting, Inc.,
San Diego, CA

FastGrid, LLC,
Gilbert, AZ

Glowolt, Inc.,
San Carlos, CA

Green Development LLC,
Cranston, RI

Grid Subject Matter Experts, LLC,
Folsom, CA

GridAxon, Inc.,
Lewisville, TX

GridBright, Inc.,
Granite Bay, CA

GridLiance GP, LLC,
Roanoke, TX

GS Engineering, LLC,
Sacramento, CA

Handran Engineering,
Berkeley, CA

Hive Power Engineering LLC,
Allentown, PA

Jupiter Power LLC,
Chicago, IL

Power Systems Advisors L.P.,
Athens, Greece

Power Systems Analytics,
Roxboro, NC

Prairie State Generating Co.,
Marissa, IL

Protconsult Engenharia,
Bello Horizonte, Brazil

R&DB Associates,
Orangevale, CA

Relpro Ltd.,
Velika Plana, Serbia

Rising Edge Group,
Calgery, Canada

Slinger Engineering,
Des Moines, IA

SR3 Engineering,
Glendale, CA

SSOE Group,
Toledo, OH

THR Consulting,
Sammamish, WA

Vivant Energy Corp.,
Mandaue City, Philippines

Westwood Professional Services,
Minnetonka, MN

Yukon Energy Corporation,
Whithorse, Canada