



2018 Training Details and Class Dates

Kepware Product Training is a three-day course that explores PTC's solutions for Industrial Automation and the Internet of Things (IoT). Kepware instructors provide a detailed look at the KEPServerEX® connectivity platform, paying particular attention to its architecture and how to connect to other software applications and devices.

Each class has a core agenda that spans five to six hours a day. It includes live product demonstrations, guided training exercises, and an overview of OPC concepts. Extra time for Q&A, 15 morning and afternoon breaks, and a one-hour lunch are included to complete a full 7.5-hour day. The second half of the third day is optional, and may include break-out sessions with Applications Engineers or other Kepware personnel as requested.

During the course, trainees learn how to:

- Optimize server communications
- Implement diagnostic tools for troubleshooting and debugging
- Use leading technology like REST for web connectivity and OPC UA for tunneling secure data

Based on interest, trainees also have the option to learn how to:

- Perform calculations and logic using Advanced Tags
- Use linking and redundancy options for high-availability environments
- Insert record sets and query databases using the DataLogger advanced plug-in and ODBC Client driver

Please see the agenda on page 3 for more details.

Take-Home Materials

Presentations, class lectures, live demonstrations, practical examples, and in-class training exercises and labs are provided. Each trainee receives a flash drive with class materials and training manuals, which they are free to share with others at their organization.

Prerequisites

There are no prerequisites for this course.

Fee

The three-day Kepware Product Training course is \$1,500 per person. Please note that this fee is subject to change.

Registration

To register for a course, please complete the registration form at <https://info.keppure.com/training-request-form-2018>. Early registration is encouraged as class size is limited.

Course Schedule

Three-day classes occur once a month on Tuesday, Wednesday, and Thursday. Classes start at 9:00 AM each day and end at 4:30 PM or earlier. Lunch is provided, and coffee and beverages are available throughout the day. Classes are offered for the following dates in 2018:

- March 13-15
- April 10-12
- May 8-10*
- June 12-14
- July 17-19**
- August 14-16**
- September 18-20**
- October 16-18**

Please note that dates are subject to change.

**This class will take place at PTC headquarters in Needham, Massachusetts. Please contact us for travel recommendations if needed.*

***Location to be determined. Please consult www.keppure.com/training for the training facility location.*

Contact

Please call +1 888-KEPWARE x155 or email training@keppure.com with any questions.



I really enjoyed this class, and would say that it is probably one of the best technical classes I've taken. Well put together with knowledgeable and friendly staff."

-Kepware 2017 Training Attendee

How to Find Us

Location: Kepware is located in the Maine PTC office, in the Old Port district of downtown Portland. It is a 10 minute drive from the Portland airport and convenient to many downtown hotels.

Address: 400 Congress St, Portland, Maine. The building is on the corner of Congress and Temple.

Entrance: The main door is marked "Post Office." Enter and turn right into the elevator lobby. Take an elevator to the fourth floor.

Office: The elevator doors will open to the Kepware lobby. Enter the glass doors on the left and tell the receptionist you are there for the Kepware Product Training.

Kepware Product Training Course Agenda

Day	Module	Name	Length	Lab
One	1	Introduction to Kepware and Course Overview	1/2 hr	No
	2	Installing and Licensing KEPServerEX®	1/2 hr	Yes
	3	Device Connectivity (PLCs and more)	1 1/2 hrs	Yes
	4	Connecting with Other Drivers	1/2 hr	Yes
	5	Simulating Devices	1/2 hr	Yes
	6	OPC	1 1/2 hrs	Yes
	7	OPC UA and Tunneling	1 1/2 hrs	Yes
	8	Client Connectivity	1 hr	Yes
Two	9	KEPServerEX Essentials	1 1/2 hrs	Yes
	10	KEPServerEX Diagnostics	1 1/2 hrs	Yes
	11	Optimization Solutions	2	Yes
	12	Tag Calculations and Tag Linking	1	Yes
	13	Database Connections	1	No
	14	Redundancy	1/2 hr	Yes
Three	15	Industrial Internet of Things	1	No
	16	Web Connectivity	1 1/2 hrs	Yes
	17	ThingWorx Connectivity	1/2 hr	Yes
	18	Connectivity Summary	1 hr	No
	19-22*	Optional Modules	-	-

Optional Modules

Day	Module	Name	Length
Three	19	Custom Device Connectivity	1 hr
	20	ThingWorx® Manufacturing Apps	1/2 hr
	21	Configuration API	1 hr
	22	Low Bandwidth and Telemetry Networks	1 hr

Kepware is a software development business of PTC Inc. located in Portland, Maine. Kepware provides a portfolio of software solutions to help businesses connect diverse automation devices and software applications and enable the Industrial Internet of Things. From plant floor to wellsite to windfarm, Kepware serves a wide range of customers in a variety of vertical markets including Manufacturing, Oil & Gas, Building Automation, Power & Utilities, and more. Established in 1995 and now distributed in more than 100 countries, Kepware's software solutions help thousands of businesses improve operations and decision making.

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