



## **Introduction to the Know-How Hub and the Developer's ToolBox for EtherNet/IP**

**Matthew Frazer and Stacey Anttila**  
**ODVA, Inc.**

**February 22, 2017**

## Mission: Advance

## Market-leading EtherNet/IP Products



# Mission: Advance

## Market-leading EtherNet/IP Products



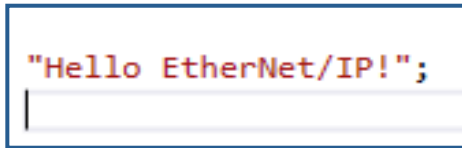
# Need For an Integrated Learning Environment



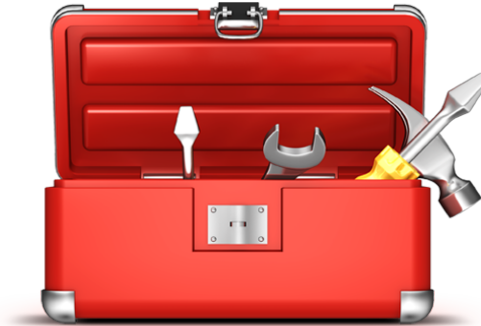
Reference Designs



Online Community

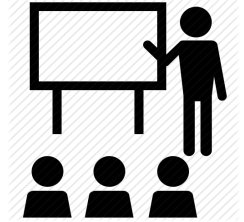


Working Examples



## EtherNet/IP™

Integrated  
Specification



Training



Development Workflow

## Developer's ToolBox for EtherNet/IP

### Developer's ToolBox for EtherNet/IP is Now Available!



**New to EtherNet/IP?  
Get the digital, Integrated  
Learning Environment  
designed to accelerate your  
Know-How!**

## Developer's ToolBox for EtherNet/IP

- A self-guided course in EtherNet/IP
- Connects main concepts directly to the applicable content in the Specification
- Provides real-life examples
- All within an “Integrated Learning Environment”

## Developer's ToolBox Components

- Developer's ToolBox Framework
- EtherNet/IP Short Course (integrated with The EtherNet/IP Specification)
- CIPengine
- Virtual Devices
- Virtual Lab
- ...and Online Community Access in the Know-How Hub



## Tour of Developer's ToolBox

# Developer's ToolBox for EtherNet/IP



**Let's take a  
quick tour!**



## Introducing: the Know-How Hub

Designed to connect developers with the information and resources they need to make and sell products using ODVA technologies:

- Get Started
- Resources to CIPCelebrate
- Obtain DOC
- Market Your Product



## Purpose of the Know-How Hub

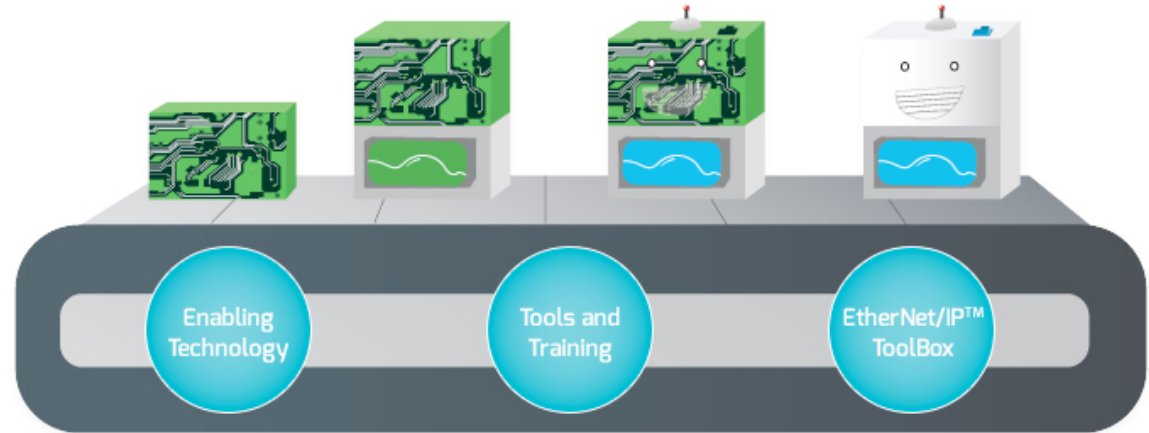
- Light the path
- Simplify the process
- “Hot-Connect” directly from the Hub to the content:
  - Must-read publications
  - Terms of Usage Agreement
  - Order forms



***Getting Started***

## Purpose of the Know-How Hub

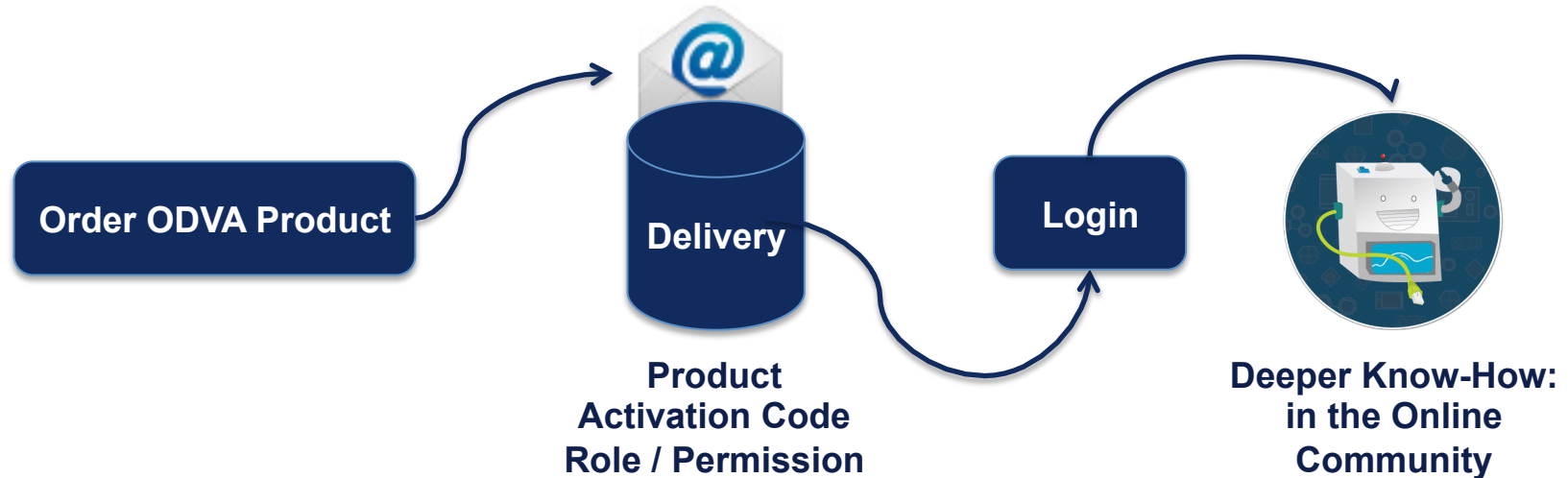
- CIPcelerate resources:
  - Enabling Technology Providers
  - Tools and Training
  - Developer's ToolBox for EtherNet/IP

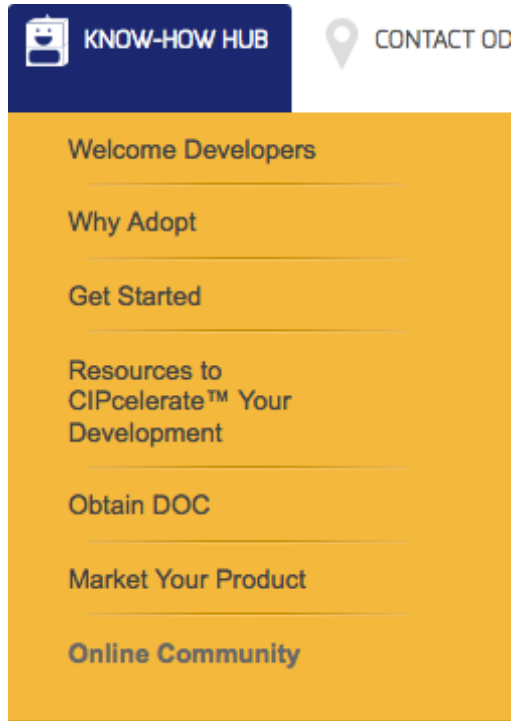


***Resources to CIPcelerate™***

# New Subscription Management System

- Improving the user experience for vendors and ODVA Members
- Streamline fulfillment and update process





## Know-How Hub's Online Community

- Private area where developers can get information and answers about ODVA products and services
- Single sign-on
- Tied to ODVA's new subscription management system
- Designed for growth

## Behind the Login: Online Community Content

### Know-How Blog

- Emerging trends
- Implementation approaches
- Roundtable report
- Enabling tech. provider point of view . . . .

### Product Tool Tips & Instructions

- Dedicated self-serve content for each product
- Searchable library of tips, FAQs

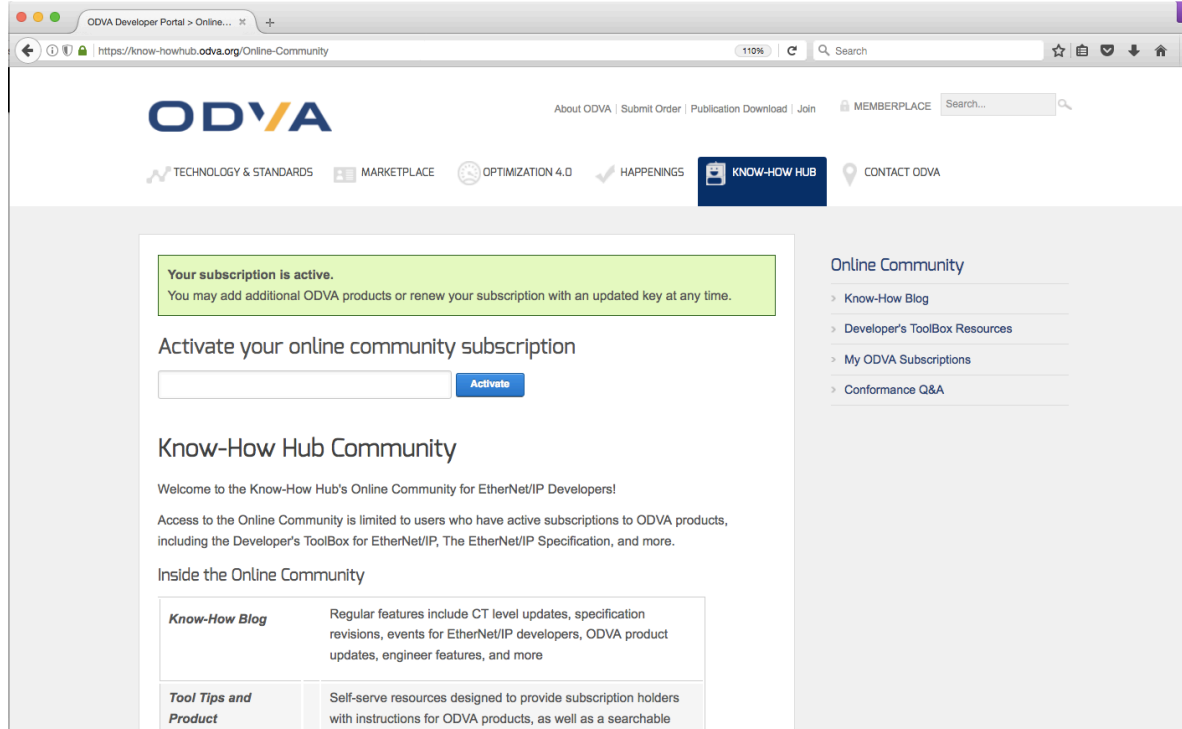
### Conformance Q&A

- Common questions and tips from CA
- Searchable library
- Integrated contact form

### My ODVA Subscriptions

- Licenses for your current products
- Activations to those licenses
- Integrated contact form

# Behind the Login: Online Community Home



The screenshot shows a web browser window with the URL <https://know-howhub.odva.org/Online-Community>. The page features the ODVA logo and a navigation bar with links: About ODVA, Submit Order, Publication Download, Join, MEMBERPLACE, and a search bar. Below the navigation bar, there are icons for TECHNOLOGY & STANDARDS, MARKETPLACE, OPTIMIZATION 4.0, HAPPENINGS, KNOW-HOW HUB (highlighted), and CONTACT ODVA.

**Your subscription is active.**  
You may add additional ODVA products or renew your subscription with an updated key at any time.

**Activate your online community subscription**

[Activate](#)

**Know-How Hub Community**

Welcome to the Know-How Hub's Online Community for EtherNet/IP Developers!

Access to the Online Community is limited to users who have active subscriptions to ODVA products, including the Developer's ToolBox for EtherNet/IP, The EtherNet/IP Specification, and more.

**Inside the Online Community**

<b>Know-How Blog</b>	Regular features include CT level updates, specification revisions, events for EtherNet/IP developers, ODVA product updates, engineer features, and more
<b>Tool Tips and Product</b>	Self-serve resources designed to provide subscription holders with instructions for ODVA products, as well as a searchable

**Online Community**

- > Know-How Blog
- > Developer's ToolBox Resources
- > My ODVA Subscriptions
- > Conformance Q&A

## Know-How Hub Blog

[Current Articles](#) | [Archives](#) | [Search](#)[PRESS RELEASES](#) | [ODVA ANNOUNCEMENTS](#) | [INDUSTRY NEWS](#)

POSTED ON JANUARY 10, 2017

### Roundtable for EtherNet/IP: 2017 Schedule

At ODVA's Roundtable for EtherNet/IP events, ODVA Members and invited experts engage in peer-based exploratory discussion and collaboration aimed at h...

[Read More »](#)

POSTED ON DECEMBER 20, 2016

### EtherNet/IP and DeviceNet CT Level Updates

Each ODVA test comprises a suite of tests that are collectively released as a Composite Test (CT), followed by a revision level. In December 2016, ODV...

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#### Online Community

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# Dedicated Resources for ODVA Products





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## EtherNet/IP Developer's ToolBox

### Installation Instructions

#### Download and Activation Information

ODVA distributes the URL where the Developer's ToolBox software can be downloaded via email directly from ODVA's software subscription system. If you have a question about your subscription or need the download URL sent to you again, please contact ODVA via the Manage My Subscription link, available on the [My ODVA Subscriptions](#) page.

#### Software Installation Requirements

Installation of the Developer's ToolBox for EtherNet/IP requires a Windows 7 or later PC and Java runtime engine -- the installer will notify and prompt you if it detects the need for Java runtime on your PC.

#### The EtherNet/IP Specification Integration

The Specification integration feature of the Developer's ToolBox allows you to link directly from specific references within the ToolBox learning environment to the relevant sections of the Specification. The integration requires the latest version of The EtherNet/IP Specification, including Volume 1, edition 3.21 and Volume 2, edition 1.22 of The CIP Networks Library. You will be prompted to enable The EtherNet/IP Specification links by mapping the ToolBox software to the directory where your Specification volume PDF files are located. You may [order The EtherNet/IP Specification](#) and map it to the ToolBox after the software

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[Developer's ToolBox Resources](#)

[Tool Tips for Developer's ToolBox](#)

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## Tool Tips for Developer's ToolBox for EtherNet/IP

[Current Articles](#) | [Archives](#) | [Search](#)



### Getting an "Activation Code is Not Valid" Error?

If your Developer's ToolBox software is not accepting the activation code sent to you, ODVA offers these tips: Check the accuracy of the...

[Read More »](#)

### Need to Install or Reinstall ToolBox?

A single-user subscription to Developer's ToolBox entitles you to up to three activations of the software, so if you need to install ToolBox on more t...

[Read More »](#)

### Subscription Expired? Subscription Changed? Here's How to Renew

Subscriptions to ODVA's Developer's ToolBox for EtherNet/IP have a one-year term. Trial versions of the product are also available. If your Develop...

[Read More »](#)

### Map The EtherNet/IP Specification to Developer's ToolBox

## Online Community

> [Know-How Blog](#)

> [Developer's ToolBox Resources](#)

[Tool Tips for Developer's ToolBox](#)

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## Search Tool Tips

# My ODVA Subscriptions



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**Your subscription is active.**

You may add additional ODVA products or renew your subscription with an updated key at any time.

## Add additional activation codes

Activate

## My ODVA Subscriptions

Based on the login, show the primary technical contact what's been activated and what licenses they have in the knowhow-hub. For now this is just for ToolBox, but other products would be added as we bring them into the new activation system. For example, here's what I envision showing on this screen, all of which would be pulled from the admin/software\_subscriptions:

### ODVA Special Reserve

Stacey Anttila  
santtila@odva.org

Subscription: 02/08/2017 - 02/28/2017

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## Conformance Q&A

Search our articles library for conformance testing tips and answers to the most common questions addressed by ODVA's Conformance Authority. Or filter our Conformance Q&A library by category. The most frequently asked questions include:

- [Why conformance test?](#)
- [How much will my test cost?](#)
- [Does my device need to be conformance tested?](#)
- [How do I fill out the Test Service Order form?](#)
- [What is the difference between a Product Family test and a Single Product test?](#)
- [How do I maintain the Declaration of Conformity?](#)
- [Should I attend my test?](#)

**My product uses another vendor's stack. The stack has already been tested and has an ODVA DOC. Do I need to conformance test my product to obtain a DOC?**

**I am only implementing a part of one of the CIP technologies (e.g. EtherNet/IP) to be able to communicate with a specific product (e.g., a scanner). Do I still need to conformance test my product?**

### Online Community

- > [Know-How Blog](#)
- > [Developer's ToolBox Resources](#)
- > [My ODVA Subscriptions](#)
- > [Conformance Q&A](#)

### Search Q&A

### Network

- ☐ EtherNet/IP (17)
- ☐ CIP (18)

### Question Type

- ☐ Conformance Policy (12)
- ☐ Technology (6)



**THANK YOU**