Getting Started with PI at your University

First Semester Tools for Success

Presented by **Dr. Erica Trump**

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ACADEMIC PROGRAM

TRANSFORM YOUR CLASSROOM
RESEARCH
CAMPUS

Many resources to help you get started

OSIsoft learning Channel

PI Square
The OSIsoft Community

OSIsoft Small Private Online Courses

OSIsoft WEBINARS

Community Library

OSIsoft Tech Support

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Classroom Training

Get some face time

Attend a class at one of our OSIsoft learning centers

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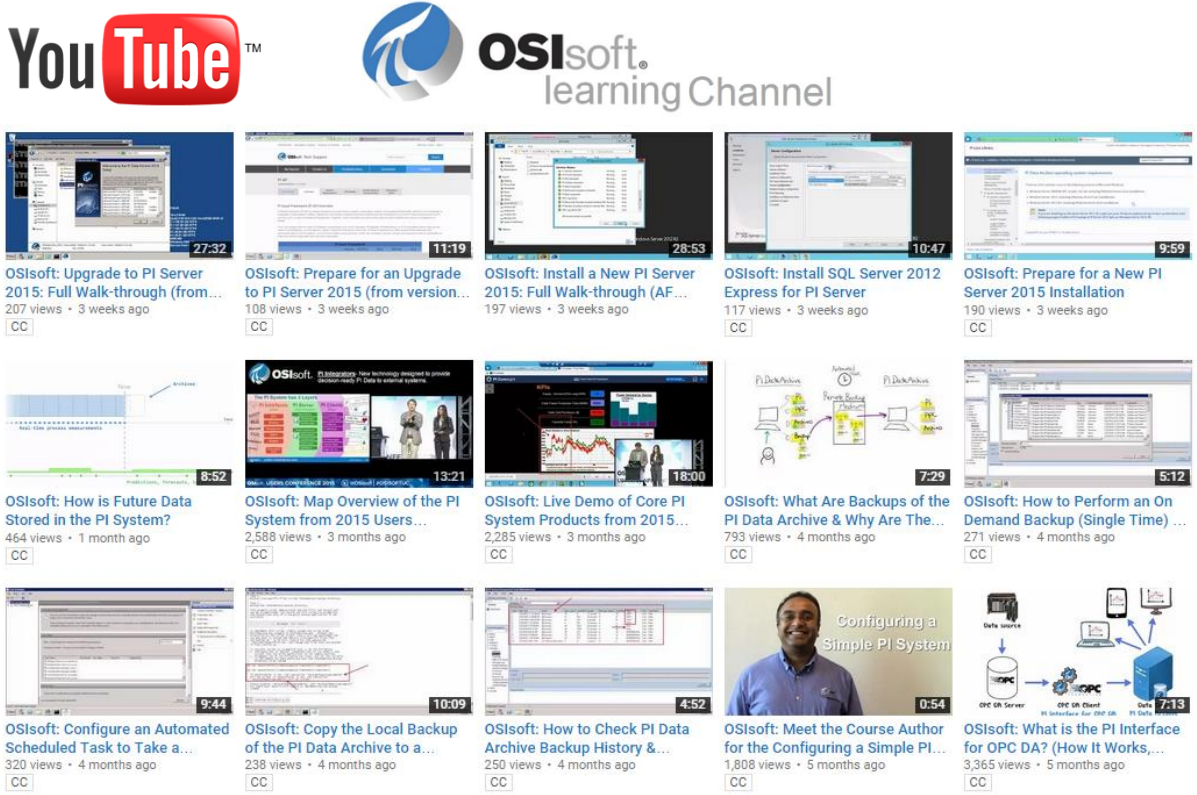
On-Demand Learning



Learn on the go!

Watch any of our 1000+ free videos on YouTube

Learn about industry uses cases

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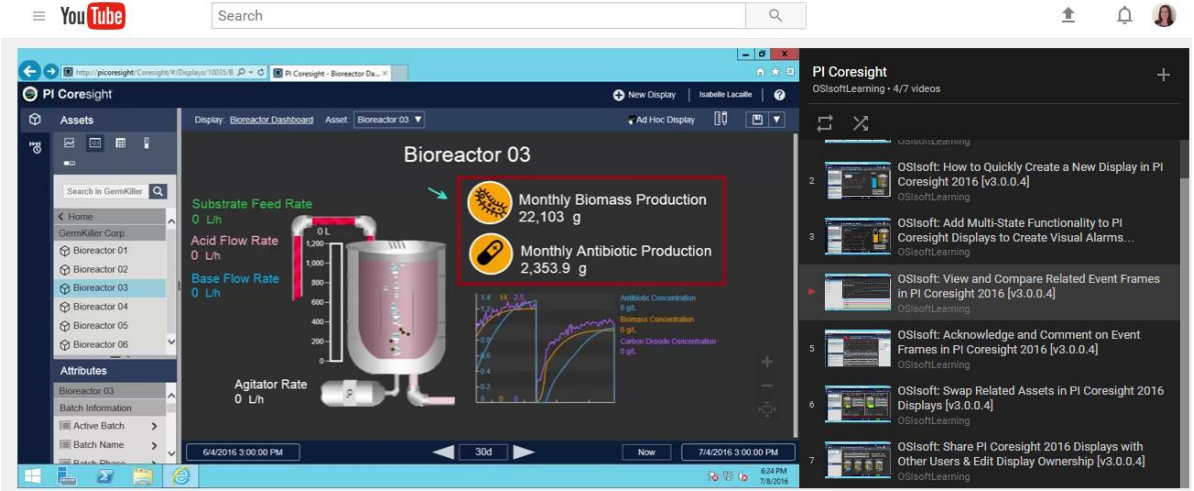
On-Demand Learning

OSIsoft learning Channel

Playlists for easy product learning

PI System Basics, **PI Coresight**, PI DataLink, PI Integrator for Business Analytics, PI Integrator for ESRI, PI Interface for UFL, PI Cloud Connect, Configure PI Server Security, PI System Installation Walk-Through, … and many more



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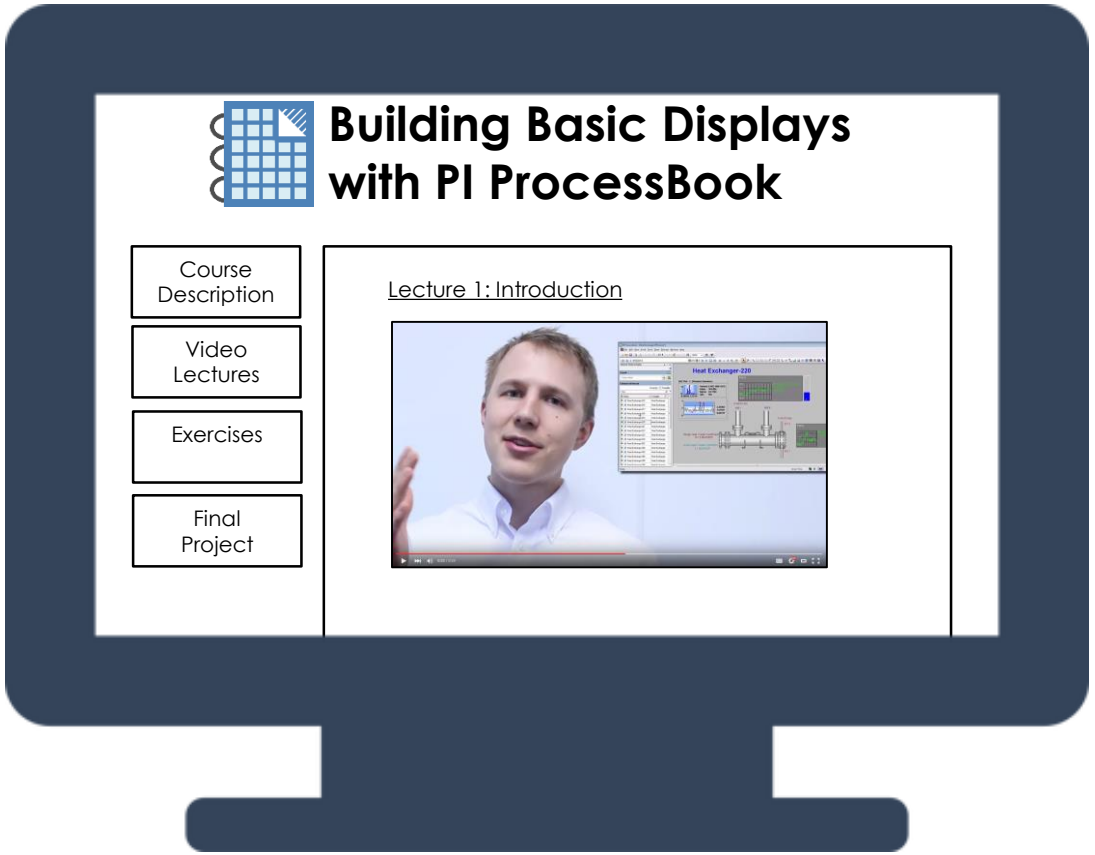
Small Private Online Courses



Learn at your own pace

Courses tailored to the specific skills you need

Community support and feedback

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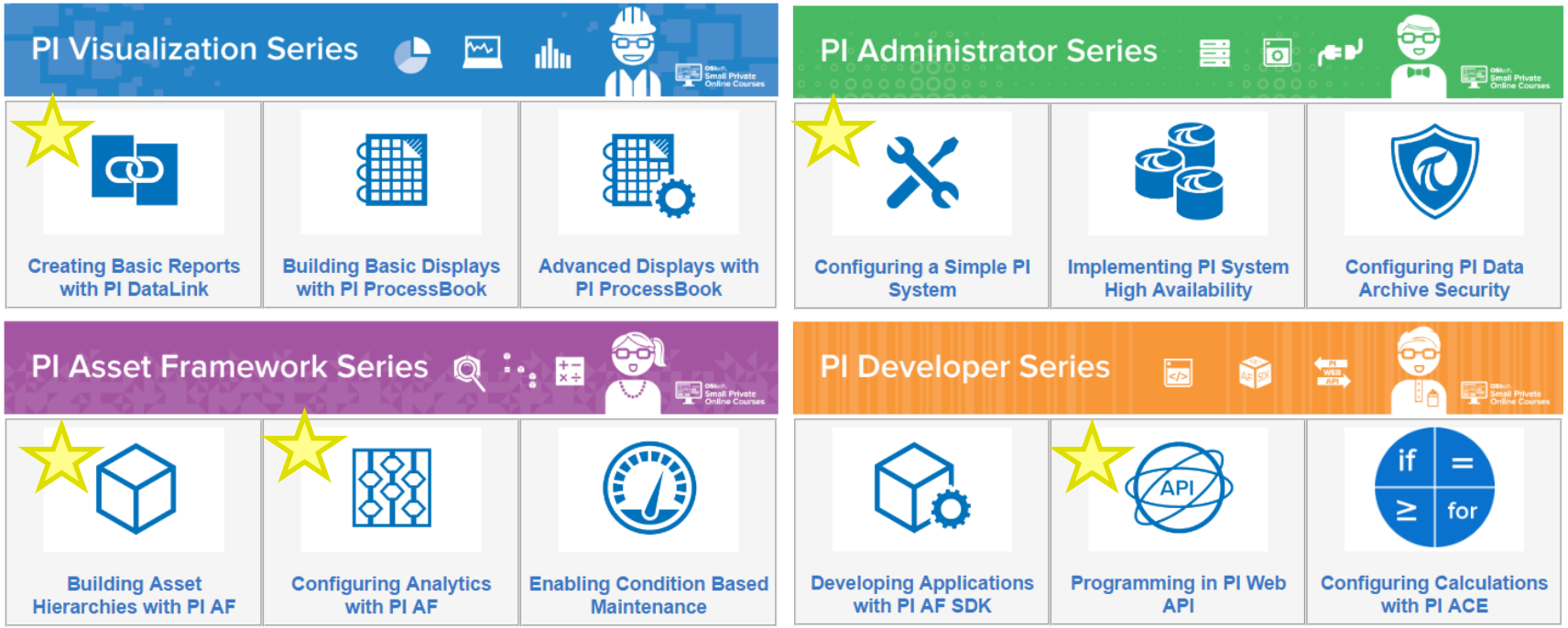
Small Private Online Courses



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The elements and attributes help you successfully organize assets into hierarchies and unify data from multiple sources, such as real-time data from the PI Data Archive; metadata from relational sources; or calculated data from PI AF formulas. Additionally, you learn how to templatize elements and add units of measurement (UOM) to standardize models across different assets or units of an organization. Then, you will learn to leverage templates to scale models out and compare like assets using OSIsoft client tools. This course also covers tag creation through PI AF.

This course is self-paced for your convenience. Thus, there are no live components to the course, nor are there are required login hours. Please use the video lectures for instruction along with the course exercises to gain hands-on experience working with key concepts. Most importantly, get involved in the discussion forums here on the PI Square community and interact with your peers and experts both at OSIsoft and other organizations, post questions, answer questions posted by others, and overall help each other learn as you would in a classroom environment.

If you're enrolled in a facilitated session of this course, you also have the opportunity to earn a certificate of completion by submitting a final project to your course facilitator. Please see the final project for details.

IS THIS COURSE FOR ME?

This course is for beginning users of PI AF, but is open to anyone who wishes to learn more about building assets and hierarchies in PI AF, and asset-based data organization. This course is primarily suited for folks who are responsible for managing the PI AF database, since the tasks involve building elements and defining data to be associated with them.

However, any user who has read / write access to a PI AF database (even if it is a "sandbox" environment) will benefit. In fact, having a good knowledge of the equipment and processes involved will lead to more meaningful models; so participation by process engineers and other subject matter experts is highly encouraged.

VIDEO LECTURES

Below are the video lectures for this course. We have placed the topics in the same order as they would be presented in a live instructor-led course. However, feel free to view the videos in any order, spread over any interval. You can also rewind and rewatch parts of the videos that you need to view again. Also be sure to check out the Online Course Videos - Tips and Tricks if your videos look fuzzy!

Introduction to PI AF
- Introduction to PI Asset Framework (AF)

PI System Explorer Basics
- Navigate in PI System Explorer (PSE)
- Connect to and Search a PI System
- Connect to, Create, and Share PI AF Databases

Introduction to PI AF Modeling
- Details About HVAC Syste
- Modeling Approaches in PI
- Create Elements and Attrib

Attribute Data References
- Create Attributes with PI Pc
- Use Alternative Value Retri
- Create Attributes with Table
- Use Linked SQL Tables in I
- Create Attributes with Form
- Create Attributes with Strin

Create Templates in PI AF
- Introduction to and Advanta
- Convert an Element to a Te
- Use Substitution Parameter
- Group Attributes to Build a
- Use PI Builder Tool to Crea
- Introduction to Derived Tem
- Build Derived Templates in
- Expand PI AF Hierarchy &

Build Tags in PI AF
- Use Advanced Substitution
- Revert Attributes to Templa
- Configure PI AF Templates
- Rapidly Deploy New Asset

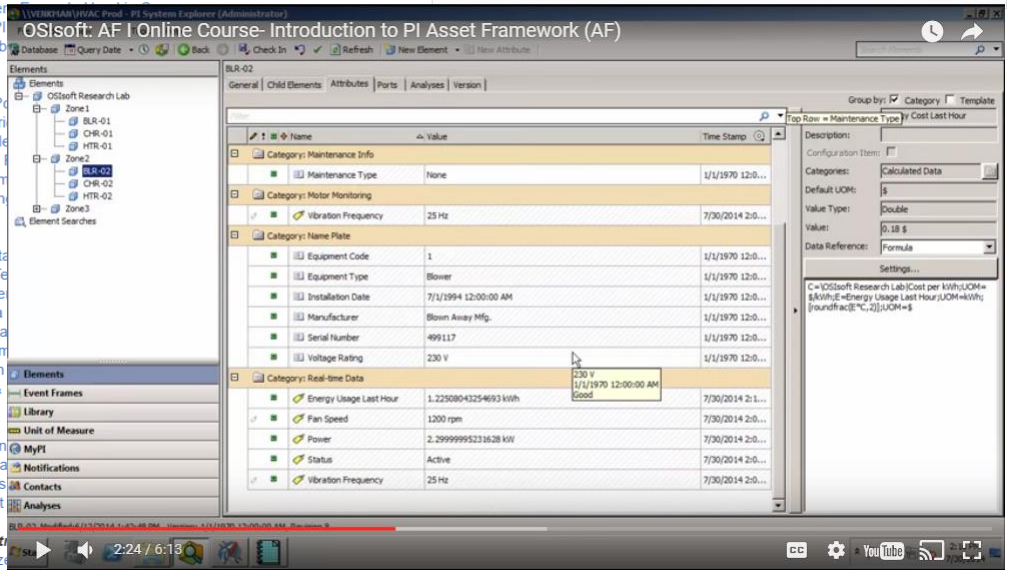
Organize Elements and Att
- Use Categories to Organiz
- Move and Reference Elements in PI AF

RECENT CONTENT

Filter by Categories & Tags

- Re: How to Relate AF Assets
- Re: Problems with Virtual Learning Environment
- Re: Building Asset Hierarchies with PI AF (Jan 30th 2016 -> Feb 17 2017) - Introduce yourself...
- Re: Eventframes and Value Type:Elements

More



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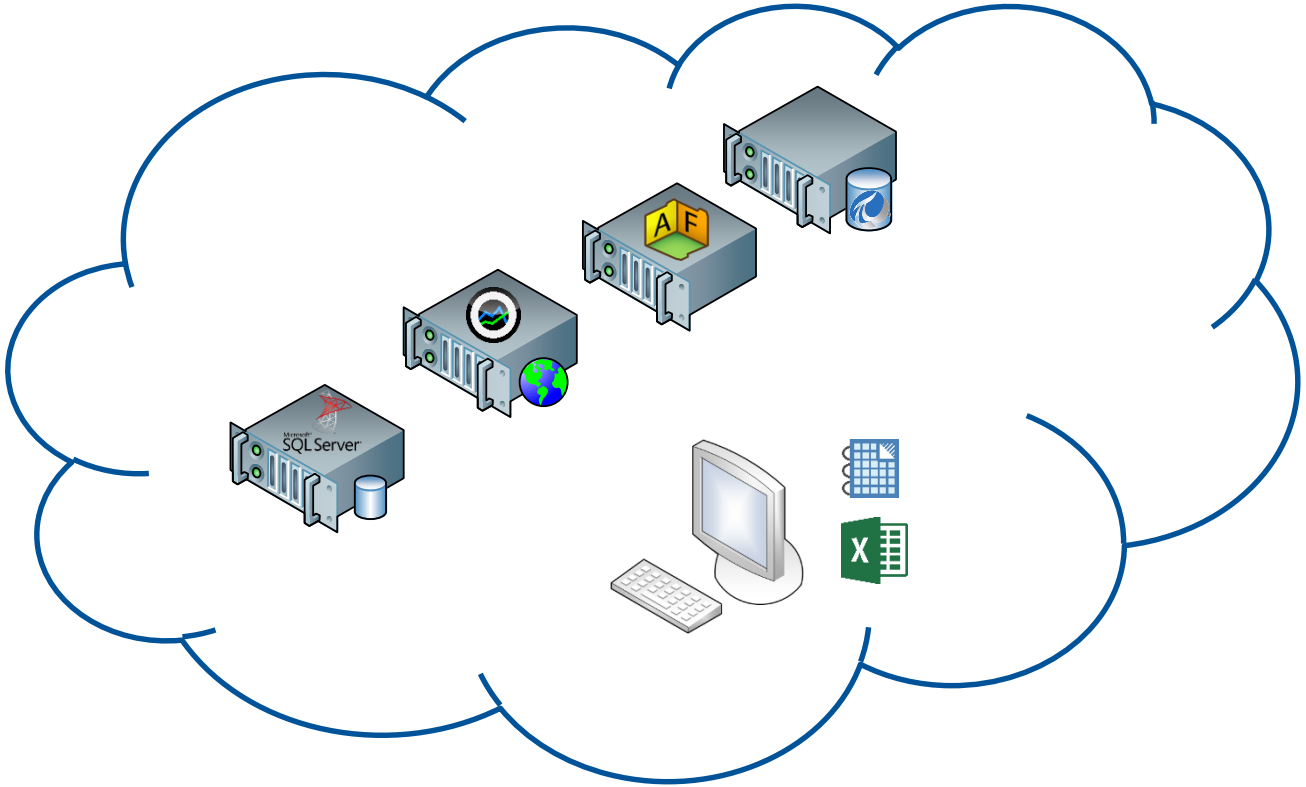
Virtual Learning Environment



Learning Sandbox

The Virtual Learning Environment (VLE) is a fully functional PI System running in our Microsoft Azure cloud, letting you try anything without fear of damage to your own production data.

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Have a question or technical issue?

Ask The Community on

PI Square
The OSIsoft Community

Ask an Engineer from

OSIsoft Tech Support

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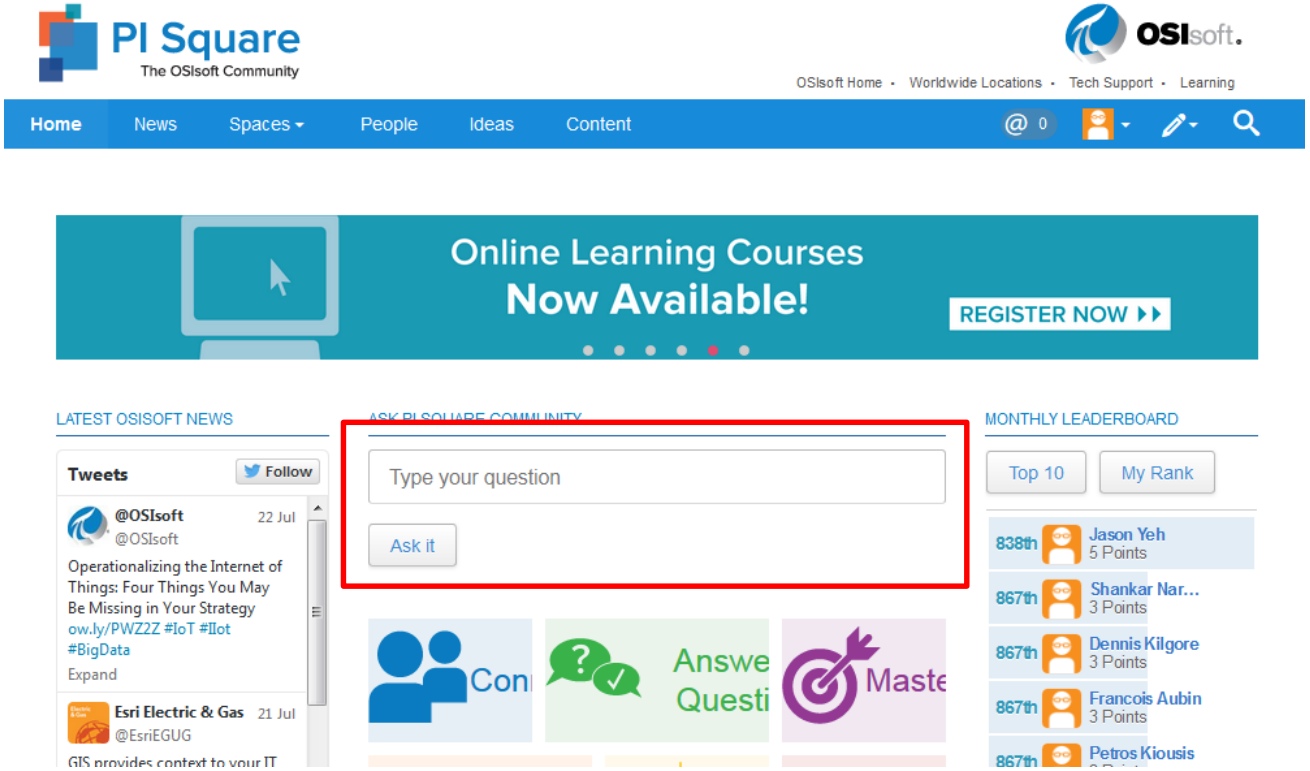
PI Square



Make friends!

Connect with the OSIsoft community in PI Square

Share knowledge with other users of the PI System

Find answers to your questions

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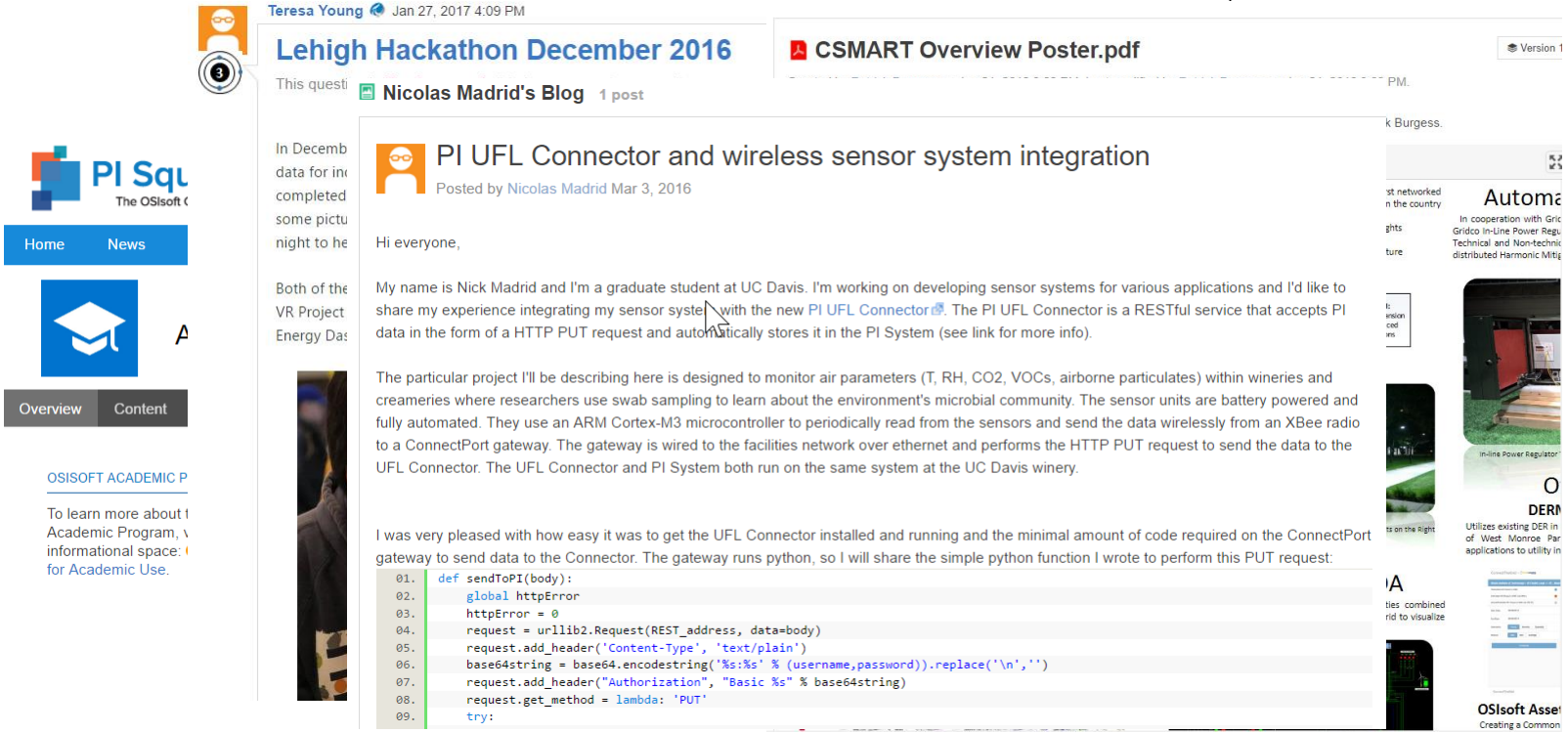
Academic Users Group

Join the conversation!



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12 supported languages

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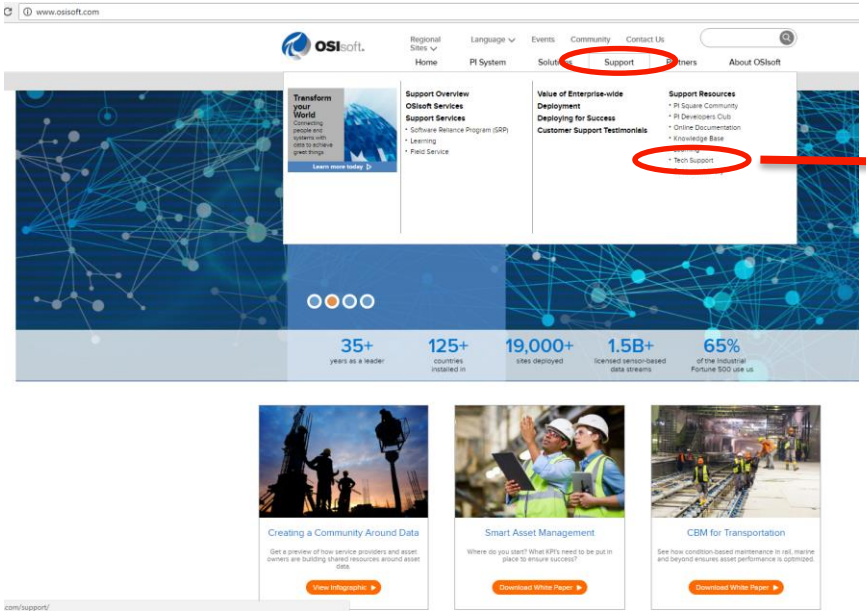

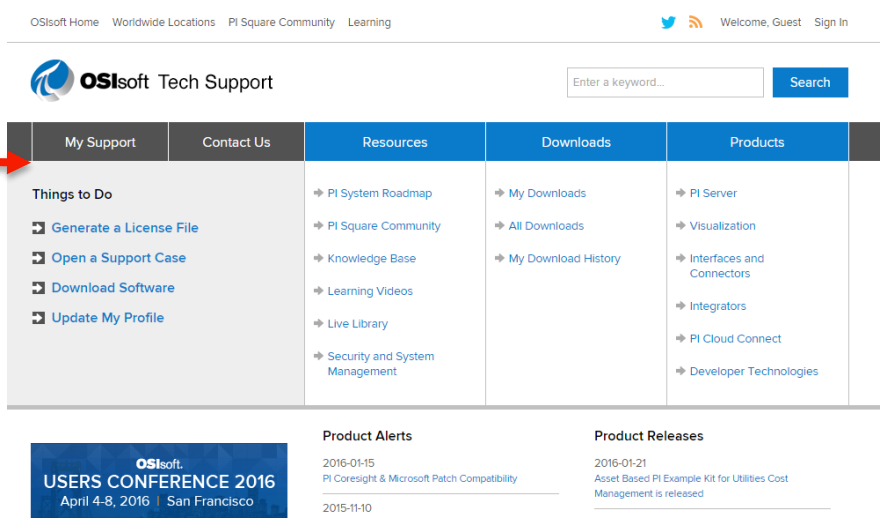

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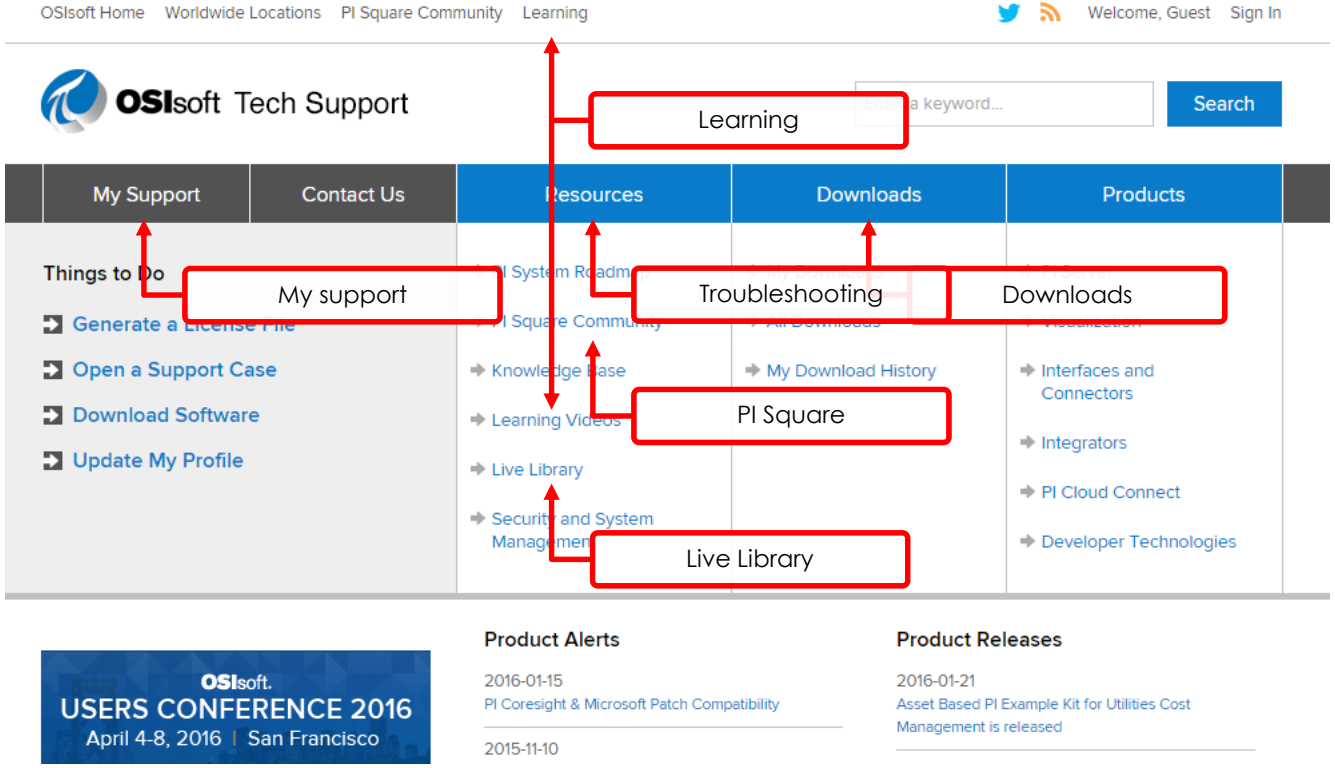
Tech Support Website

Tech Support

- My support
- Live Library
- PI Square
- Learning
- Downloads
- Troubleshooting



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What information does Tech Support need?

1. A clear description of the issue
2. Product and version information
3. Relevant information (e.g. logs, steps to reproduce issue, OS version)
4. Urgency and Impact
5. PI Server Serial #: Customer Server Number

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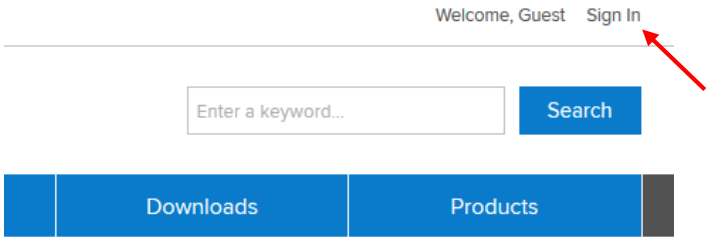
Register to Tech Support

This is your OSIsoft single sign-on (SSO) account. Use it for all OSIsoft websites including Technical Support, Learning, and PI Square.



- Reminder: Fill the registration form using your business email address!

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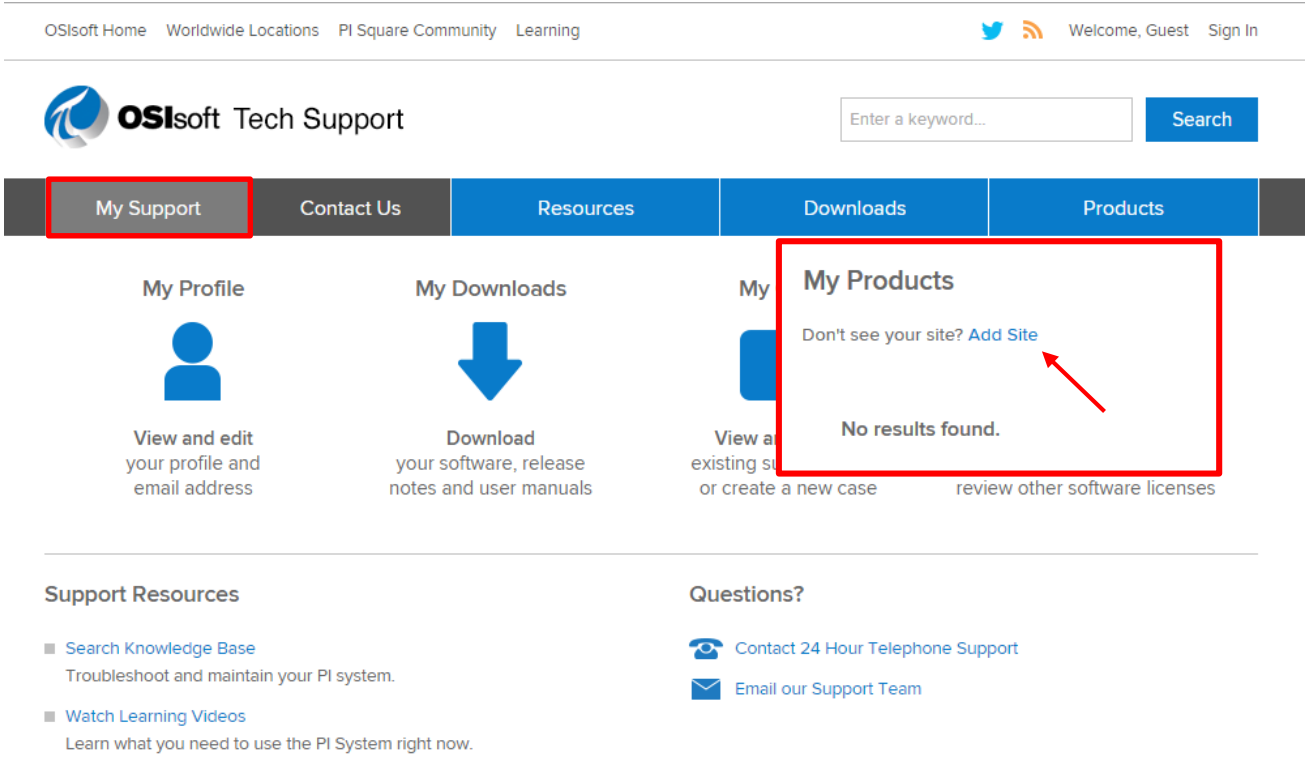
Adding your Site



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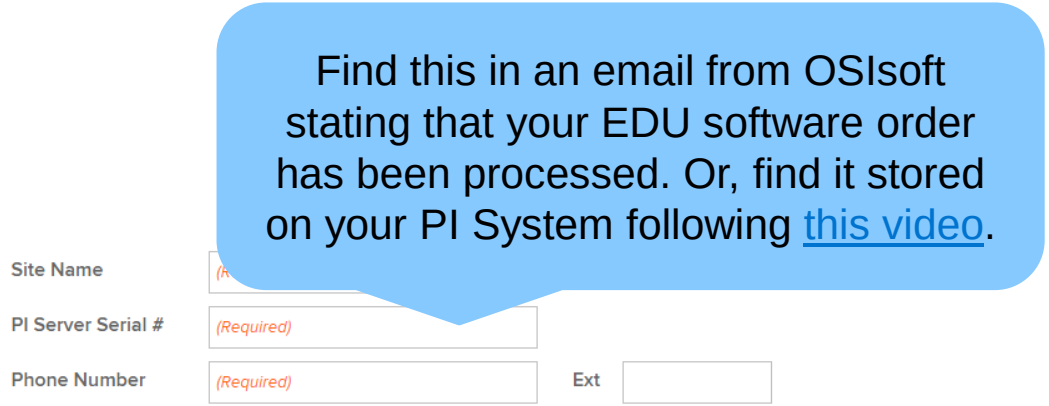
What's my site name and PI Server Serial #?



- Site Name: Customer Site Name
- PI Server Serial #: Customer Server Number

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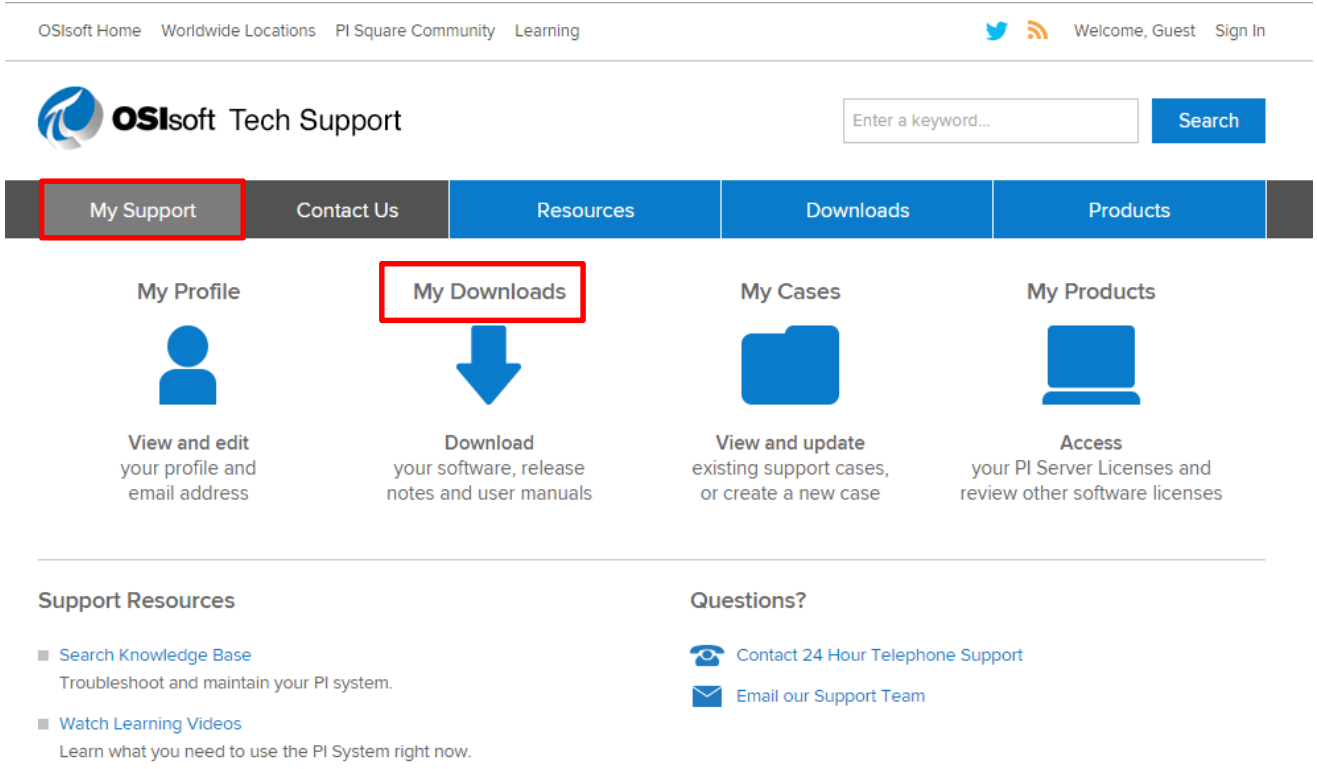
Downloads



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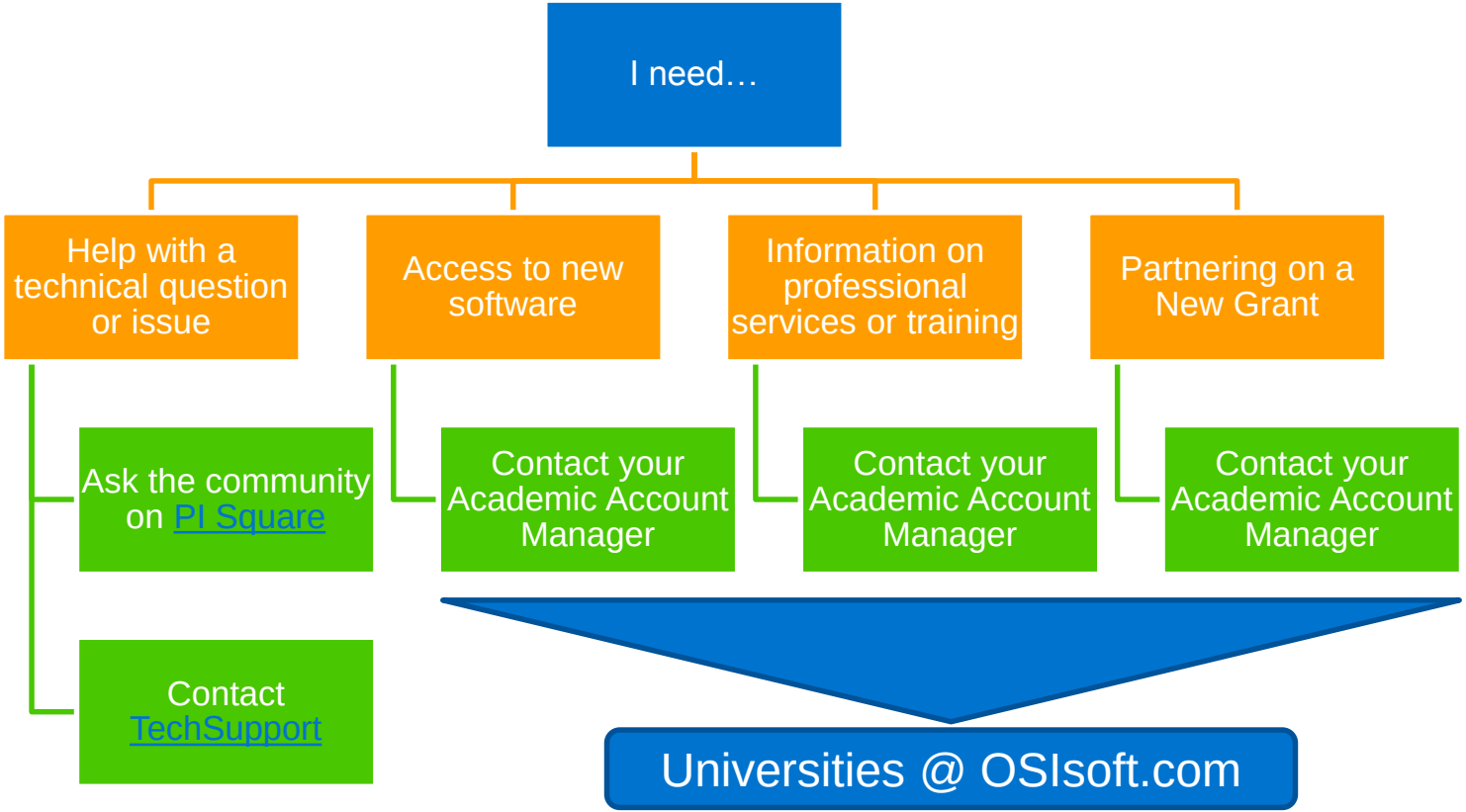
Who should you contact?



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State your **name & company**

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감사합니다

谢谢

Danke

Merci

Gracias

Thank You

ありがとう

Спасибо

Obrigado

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