

OSIsoft®

USERS²⁰¹¹ CONFERENCE



Turning **insight** into **action**.



OSIsoft vCampus: The Community at Your Service

Presented by **Ahmad Fattahi**, OSIsoft, LLC.
Lonnie Bowling, DST Controls
Rhys Kirk, RJK Solutions

OSIsoft vCampus Mission

Community

Personal development PI System

New ideas and brainstorming

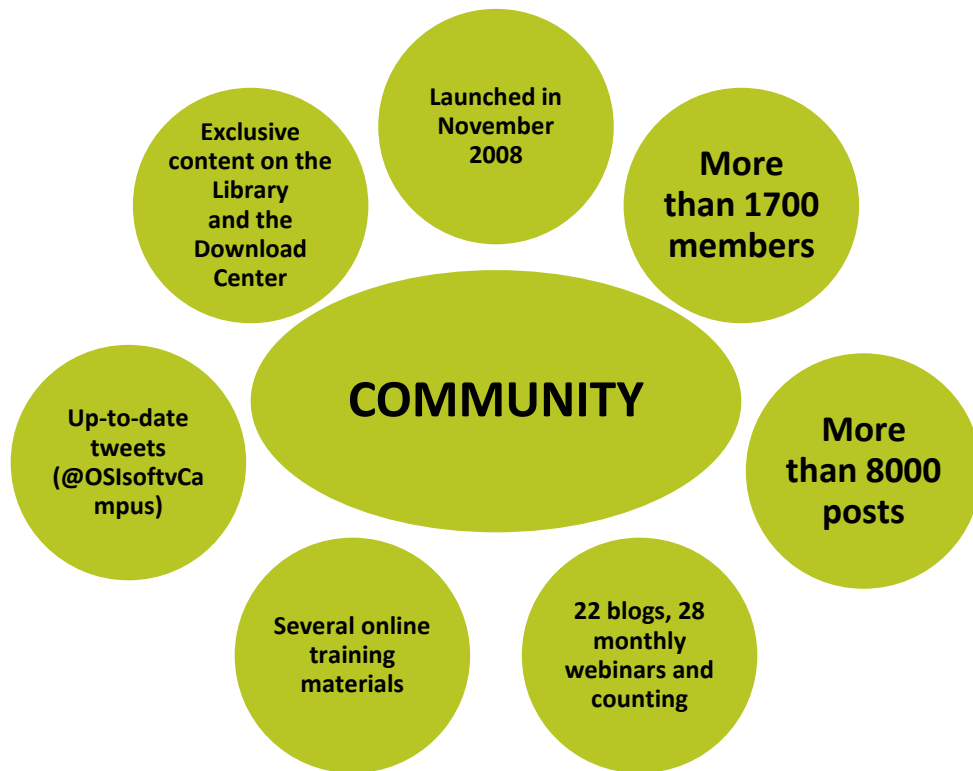
Who?

- PI System developers
- PI System integrators
- PI System architects

Why? Saving *time* and *money*



Where are we?



Geographical Distribution of the Visitors

	United States
	Unknown
	European country
	Canada
	Germany
	Australia
	Great Britain
	Singapore
	Netherlands
	Austria
	France
	Japan
	Denmark
	China
	Norway
	Russian Federation
	Brazil
	Belgium
	South Africa
	Sweden

	Spain
	Finland
	Mexico
	South Korea
	Italy
	Morocco
	Saudi Arabia
	India
	Chile
	Yugoslavia
	Puerto Rico
	Hong Kong
	Switzerland
	Bahrain
	Norway
	New Zealand
	United Arab Emirates
	Czech Republic
	Colombia
	Peru

	Hungary
	Malaysia
	Uruguay
	Brunei Darussalam
	Ireland
	Egypt
	Israel
	Jamaica
	Portugal
	Indonesia
	Argentina
	Ghana
	Greece
	Oman
	Philippines
	Lebanon
	Thailand
	Slovak Republic
	Panama
	Turkey

	Luxembourg
	Kuwait
	Taiwan
	Ukraine
	Pakistan
	Romania
	Kenya
	Lithuania
	Nigeria
	Venezuela
	Netherlands Antilles
	Ecuador
	Papua New Guinea
	Latvia
	Croatia
	Qatar
	Iran

Community Projects

Great Collaboration Opportunity

- Feedback and visibility in the Community

Hosted 5 Community Projects

- Matrix View for PI ProcessBook
- PI AF Symbol Drop
- LinqToPI
- Smart Table Lookup
- PDI Preview Handler

New ones coming up

Do you have any ideas?

Be the first to know!

Community Technology Previews (CTPs) and Release Candidates:

- **PI System 2010, PI ACE 2010, PI System Adapters for StreamInsight, PI Event Frames, PI Web Services, PI OLEDB Enterprise, PI JDBC**

Exclusive to OSIsoft vCampus!

- **OSIsoft vCampus is the exclusive conduit for pre-release products**

Turning **insight**
into **action.**



OSIsoft vCampus User Story: PI Notifications

Presented by **Lonnie A. Bowling, DST Controls**

Objectives

- **The Challenge**
- **How OS/soft vCampus resources were used**
- **The Results (yes it was good)**

The Story - Background



- Replace an old alarm system
- Existing PI System
- Access through SharePoint
- PI Notifications to be used



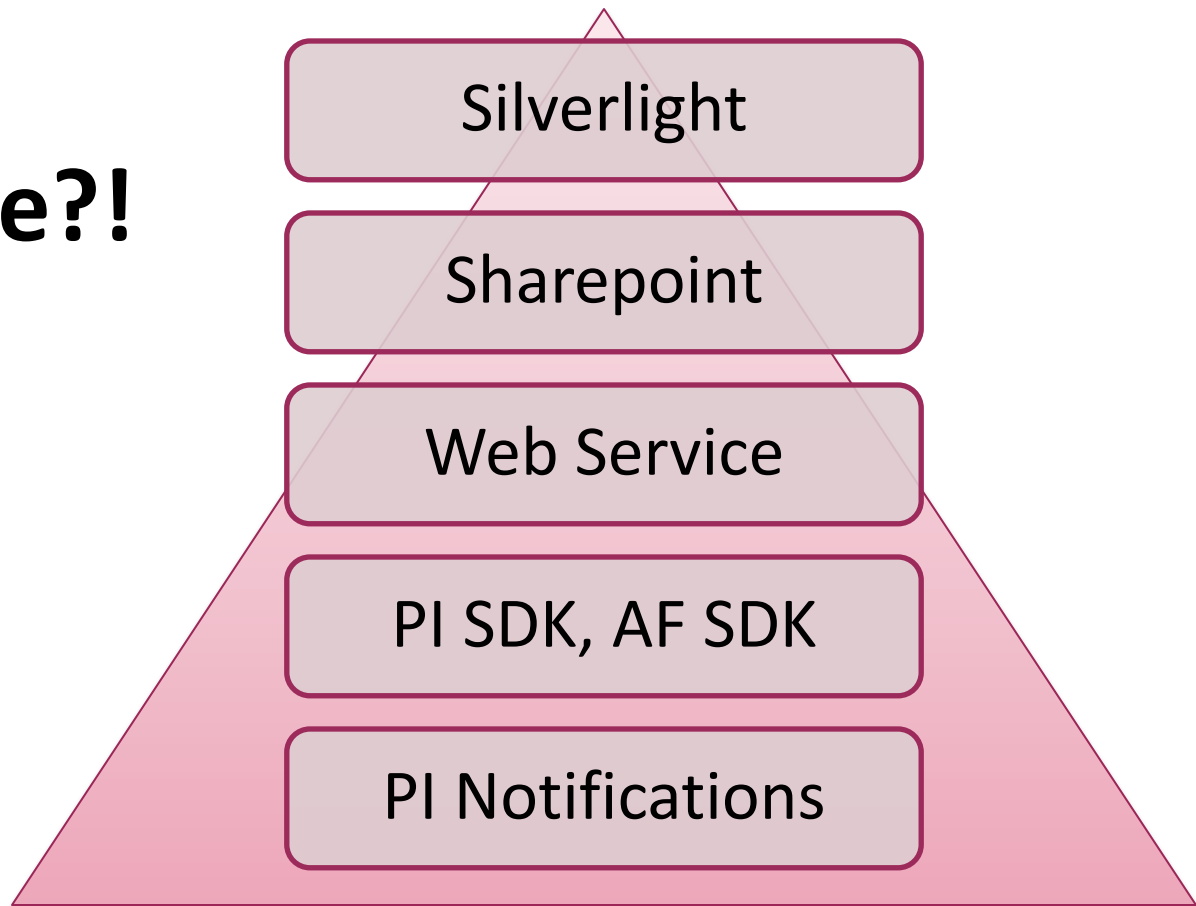
The Story... Add Drama

- **No “out of the box” functionality to duplicate requirements for UI in SharePoint**
 - **Needed a grid view**
 - **Filtering and Sorting**
 - **Acknowledgement**

The Story...

It can be done?!

- **Easy! Right???**



OSIsoft vCampus – Enter stage right

- New to the boards, **download** SDKs, get to work
- Posting question after question on the **Forums**
- **Community** pitched in
- OSIsoft staff provided guidance
- Things are getting better!!

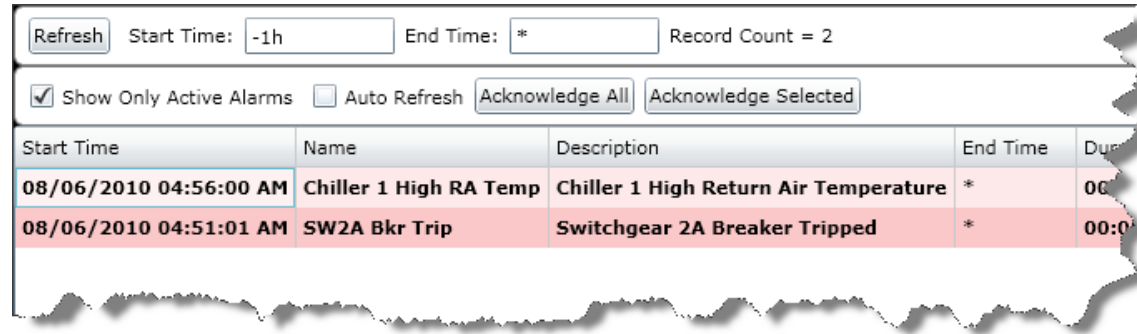
The Results – A Notifications Web Part

Refresh Start Time: -1h End Time: * Record Count = 2

☒ Show Only Active Alarms ☐ Auto Refresh Acknowledge All Acknowledge Selected

Start Time	Name	Description	End Time	Duration
08/06/2010 04:56:00 AM	Chiller 1 High RA Temp	Chiller 1 High Return Air Temperature	*	00:00
08/06/2010 04:51:01 AM	SW2A Bkr Trip	Switchgear 2A Breaker Tripped	*	00:00

OSIsoft vCampus



The screenshot displays the OSIsoft vCampus interface. At the top, there is a 'Refresh' button, a 'Start Time' dropdown set to '-1h', an 'End Time' dropdown set to '*', and a 'Record Count = 2' indicator. Below these are checkboxes for 'Show Only Active Alarms' (checked) and 'Auto Refresh' (unchecked), along with 'Acknowledge All' and 'Acknowledge Selected' buttons. The main part of the interface is a table with the following data:

Start Time	Name	Description	End Time	Dur
08/06/2010 04:56:00 AM	Chiller 1 High RA Temp	Chiller 1 High Return Air Temperature	*	00
08/06/2010 04:51:01 AM	SW2A Bkr Trip	Switchgear 2A Breaker Tripped	*	00:0

- Got feedback on approaches *before* starting work
- Access to vast amounts of documents
- Fast answers from both OSIsoft and community members
- Direct conversations with those who developed the software

Conclusion – OSIsoft vCampus is critical!

- Delivered our promises
- Met many great people along the way
- OSIsoft vCampus seems like home, it is a *community*
- Is now the #1 resource I use when working on any PI System project, no matter how simple or complex



OSIsoft vCampus: Batman, cloaking devices, hijackers & baby geniuses...

Presented by Rhys Kirk, RJK Solutions Ltd
vCampus All-Star ★



“Community - a group of interacting people living in a common location”

Since the advent of the Internet, the concept of community no longer has geographical limitations, as people can now virtually gather in an online community and share common interests regardless of physical location.

Our common interest is PI System

Our community is vCampus.





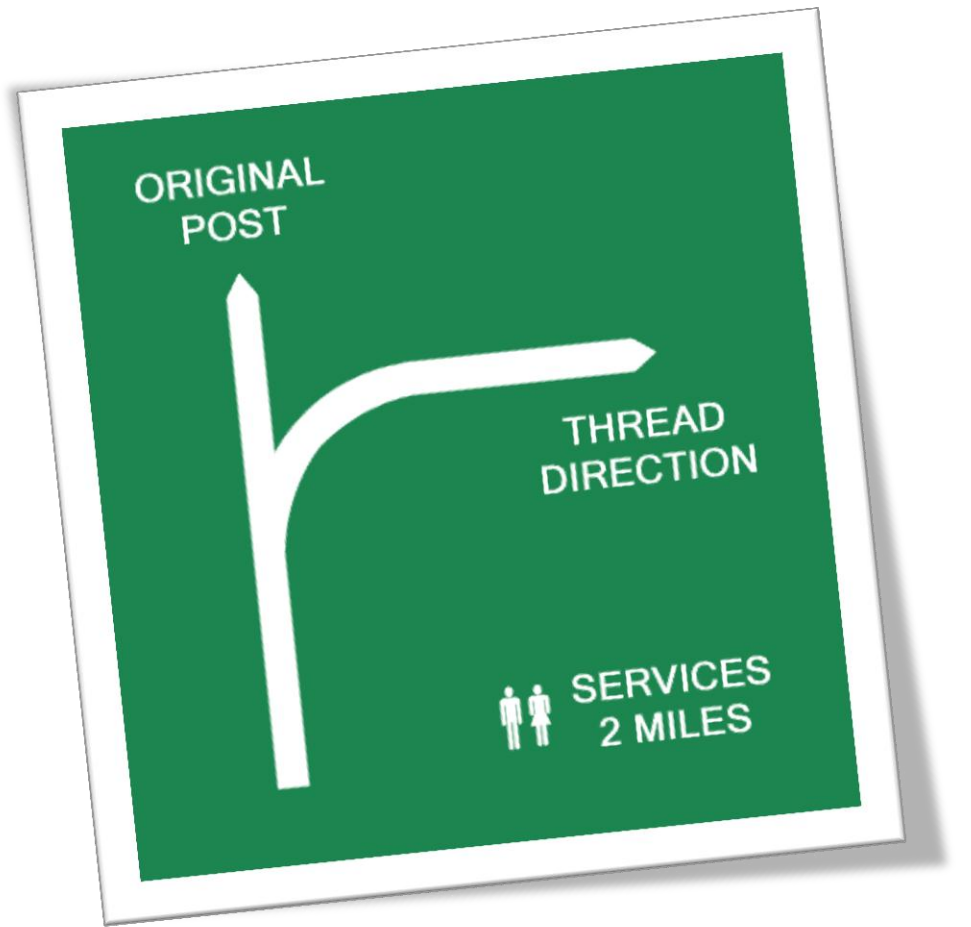
Why Batman?

After answering a community request for advice on a PI System programming issue from a community member, I promptly responded and was soon referred to as the caped crusader.
(thanks Kenneth)

Why cloaking devices?

A number of posts on OSIsoft vCampus were answered by numerous community members but the original posters always posted “thanks Rhys” at the end – even though I hadn’t posted on their question! Other community members were soon suspicious I was using a cloaking device.

(thanks Andreas/Michael)



Why hijackers?

After giving input to a number of posts from a community member, I seemed to divert the conversation from the original question each time and inherited the title of “thread hijacker”.

(thanks Wolfgang)

Why baby geniuses?



Ethan Kirk

OSIsoft vCampus is a community and as part of your profile you can have your own avatar. My avatar has been of my son (18 months old) growing up - I was told that I am the youngest PI System user after my son joined in on one OSIsoft vCampus telephone conference!

Why OSIsoft vCampus?



- Reach out to other PI System users, share ideas, success stories and common programming issues.
- Get the right solutions to your PI System programming problems.
- Connect better with OSIsoft developers and Product Managers.
- Community Technology Previews.

OSIsoft Developers and Product Managers

There are some very active OSIsoft staff using OSIsoft vCampus helping community members, seeking product feedback, identifying common issues to be fixed in future releases and much, much more.

With OSIsoft vCampus I have learned about:

- the next generation visualisation application from the Product Manager, **Laurie Dieffenbach**.

OSIsoft Developers and Product Managers

- The exciting PI Event Frames product from Product Manager **Chris Coen**.
- Various enhancements, resolved issues and much more on PI Data Access from Product Manager **Steve Pilon**.
- Many PI AF SDK programming issues resolved with input from PI AF developers **Chris Manhard** and **Paul Combellick**.
- Endless input on the very core of the PI Server from Product Manager **Jay Lakumb**.
- Invaluable knowledge of the PI SDK from the PI SDK Lead Developer **Charles Henze**.

and many other active OSIsoft staff that help build this great community.

OSIsoft vCampus Team

Our community wouldn't function as well as it does today without the OSIsoft core team members of OSIsoft vCampus in **Ahmad, Andreas** and **Han Yong**.

My recent vCampus success story...

- Required to **schedule calculations** and move data around via PI AF Server.
- Required extensive use of the **PI AF SDK**.

OSIsoft vCampus helped me to:

- Produced **efficient PI AF SDK code** by querying the community, in particular the OSIsoft PI AF developers, about various PI AF SDK methods.
- Set up a **development environment** for PI AF using the OSIsoft vCampus subscriber product downloads.

My recent OSIsoft vCampus success story...

- **Understood** PI AF structure in much deeper detail.
- Spotted **existing issues** that other community members had already encountered.
- Learned about a future product “**Configured Analytics**” that will provide similar functionality.
- **Provided feedback** to help influence the functionality of “Configured Analytics”.
- **Saved costs** by planning an upgrade path to “Configured Analytics” by not over engineering my solution.



OSIsoft. virtual campus



So much more...

There are too many other benefits to squeeze in to this presentation, sign up now to OSIsoft vCampus and start benefitting!

Learn more...



MARCH 28-30
SAN FRANCISCO, CA

REGISTER NOW ►
to Get the Latest PI System Information

WHAT IS OSIsoft VIRTUAL CAMPUS?

OSIsoft vCampus is a **subscription-based**, online offering that consists of providing everything people need to **develop applications** on the PI System. Focusing on "doing it right", this **community-oriented** program provides each of its subscribers with:

- Personal development **PI System**
- **Community** experience with discussion **forums** and **blogs**
- Online **library** and **courses**
- Technical, interactive **webinars**

OSIsoft vCampus is intended to facilitate and encourage communication around PI programming and integration between OSIsoft partners, customers and employees.

We invite you to **take a "tour"** of the OSIsoft Virtual Campus - also feel free to consult our **FAQ** or **contact us** for more details.

EVENTS

[27-Apr-11] vCampus webinar: **PI Event Frames - Infrastructure to find data relevant to your Events** (Register here)

[23-Mar-11] vCampus webinar: **PI ACE 2010 R2 in action** (Register here)

[23-Feb-11] vCampus webinar: **PI WebParts, What's New since version 2.2?**

[26-Jan-11] vCampus webinar: **PI System 101 - Security**

[22-Dec-10] vCampus webinar: **PI System 101 - What makes time-series data and PI special**

[30-Nov-10] vCampus webinar: **PI Web Services 2010 and Beyond**

[27-Oct-10] vCampus webinar: **What's New in PI SDK 2010 CTP**

[29-Sep-10] vCampus webinar: **PI System Tuning and Optimization**

[25-Aug-10] ... more

NEWS

[13-Jan-11] Official OSIsoft Facebook and Twitter can be accessed via <http://tinyurl.com/OSIsoftFacebook> and @OSIsoft_News.

[28-Mar-11] OSIsoft annual Users Conference will hold Mar 28-30, 2011 in San Francisco. Submit papers or register now!

[17-Nov-10] A video tour of the OSIsoft vCampus has been posted here and is accessible to the whole Internet. Please don't hesitate to share it with **anyone** interested.

[16-Nov-10] PI Asset Framework (AF) 2010 R2 CTP is now available on vCampus Download Center.

[10-Nov-10] Cast your vote now ... more

Contact

- Forums for technical matters
- vCampus@osisoft.com for nontechnical issues
- Twitter @OSIsofTVCampus

Questions?



Thank you

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