



Regional Seminar Series Chicago, Illinois, USA



Training & vCampus at OSIsoft

Kumar Bangalore
Marketing Manager
OSIsoft

October 12, 2010



Worldwide Locations
Tech Support | Training | OSIsoft vCampus

Software & Support Value Partnering Events Resources Company

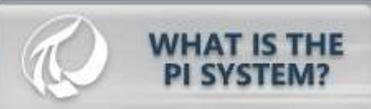
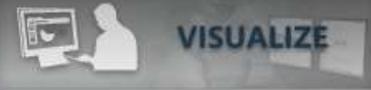
Search Go

WHAT IS THE PI SYSTEM?

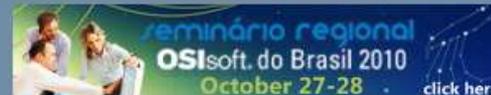
The PI System, the industry standard in enterprise infrastructure, for management of real-time data and events.

Empowering Business in Real-time.

[More Information](#)



Register Here for the Brazil Regional Seminar:



Upcoming Events

- ISA Automation Week (2010), Houston, TX, Oct 4-7
- Bulgaria Regional Seminar 2010, Sofia, Bulgaria, Oct 5
- Poland Regional Seminar 2010, Warsaw, Poland, Oct 7
- Ireland Regional Seminar 2010, Cork, Ireland, Oct 7
- 2010 SAP UK Utilities Information Exchange,

Latest News

- OSIsoft Announces Its Selection by NTUA for AMI Integration with SAP
- OSIsoft Announces Its Participation with SAP in the Korean Jeju Smart Grid Test-bed Project
- OSIsoft Launches PI System® 2010
- Geek Dad Author Ken Denmead to Appear at OSIsoft vCampus Live 2010
- OSIsoft Announces Its Selection by AGL Energy for AMI Integration with SAP
- "Getting Smarter" - A Sustainable Smart Grid Panel
- OSIsoft PI System® - An Integral Part of Monitoring the Grid

Featured Links

A Message from the CEO



Watch the Video

5 Ways to Learn

Welcome

5 WAYS TO LEARN **Classes**

- [Public Courses](#)
- [Computer Based Training](#)
- [Private On-site Classes](#)
- [Training Webinars](#)
- [Self-Paced Study](#)

OSIsoft currently features a wide range of classes available at training locations throughout the US and Canada. Many of our classes have equivalents in our Computer Based Training (CBT) Series. We also offer training on-site at your location.

[Class Descriptions](#)

To see a list of classes OSIsoft offers check out the class list and descriptions.

[Training Webinars](#)

These interactive seminars given over the web allow users to learn topics that they might not otherwise get exposed to. Each of the training webinars will focus on a specific topic, and will guide you through that topic in an interactive environment.

[Courses on CD](#)

We currently offer a series of Computer Based Training discs that cover both the PI Server and common Client applications. The discs feature voice and video demonstrations.

[On-site Training](#)

Onsite training is available from OSIsoft. The same team who provide OSIsoft PI Server system installation and consulting services also performs onsite training.

[Self-Paced Study](#)

Here you can find the materials used in class for review at your own pace. Included are current versions of the presentation, exercise, and example files used in the live course.

5 ways to learn at OSIsoft

1. Instructor-led Classroom training
2. On-site Training
- 3. Computer-Based Training (CBT) /
On-Demand Streaming training**
4. Webinars
5. Self-study

Learn anywhere with **CD/DVD-based** training.

1. [System Manager I: Essential Skills \(CBT\)](#)
2. [RtWebParts User and Administration Class \(CBT\)](#)
3. [PI ProcessBook, PI DataLink, and RtWebParts \(CBT\)](#)
4. [PI ACE \(CBT\)](#)
5. [Batch & Event Framing for Process Analysis \(CBT\)](#)
6. [MCN Health Monitor \(CBT\) ***](#)
7. [IT Monitor Server and Interface Class \(CBT\)](#)
8. [PI Manual Logger \(CBT\)](#)
9. [PI Client Advanced ActiveX Scripting \(CBT\)](#)
10. [Using PI Real-Time SQC \(CBT\) ***](#)
11. [PINet for PI3 \(CBT\)](#)



\$ 500
***** \$ 250**

- 10 CBTs are available as **online, streaming** training.
- Same content as CBTs



Instead of PINet for PI3 ->

PI System AF: Essential Skills (coming soon)



\$ 99 /month
\$ 549 /year

**CONTACT YOUR
ENTERPRISE PROJECT MANAGER
(EPM)**

Training

Welcome

TRAINING

- [Schedule & Registration](#)
- [5 Ways to Learn](#)
- [Downloads](#)
- [Locations](#)
- [Help](#)

Which Class Should I Take?

It is the most common question we get. And it's a good one. If you are new to the PI System or just unsure of which class you should take first or next, check out the [Training Paths page](#) (the link is also in the right margin of each page).

News In Training

On-Demand Computer Based Library version 3.0 Released

(06-Aug-10) OSIsoft announced today *PI ProcessBook*, *PI DataLink*, *PI WebParts CBT v3.0*, which featuring all-new performance-criteria based videos, and a larger variety of test questions. The 12 hours

Training Paths Page



Role

System Manager



Windows Server



PI System Manager I: Essential Skills



PI System Manager II: High Availability and Complex Architectures



Connecting to Relational Databases.



Windows Security in PI Server 3.4.380



The PI Server Performance Monitor Kit plus more



PI System AF: Essential Skills



PI Advanced Computing Engine (PI ACE)

Training Paths Page



Role

Visualizing Data



PI ProcessBook, PI DataLink, and RtWebParts



Batch & Event Framing for Process Analysis



Make Better Displays and Reports Using the Module Database



PI Datalink Reports that use the Module Database



SharePoint Server



RtWebParts User and Administration Class



SQL Knowledge

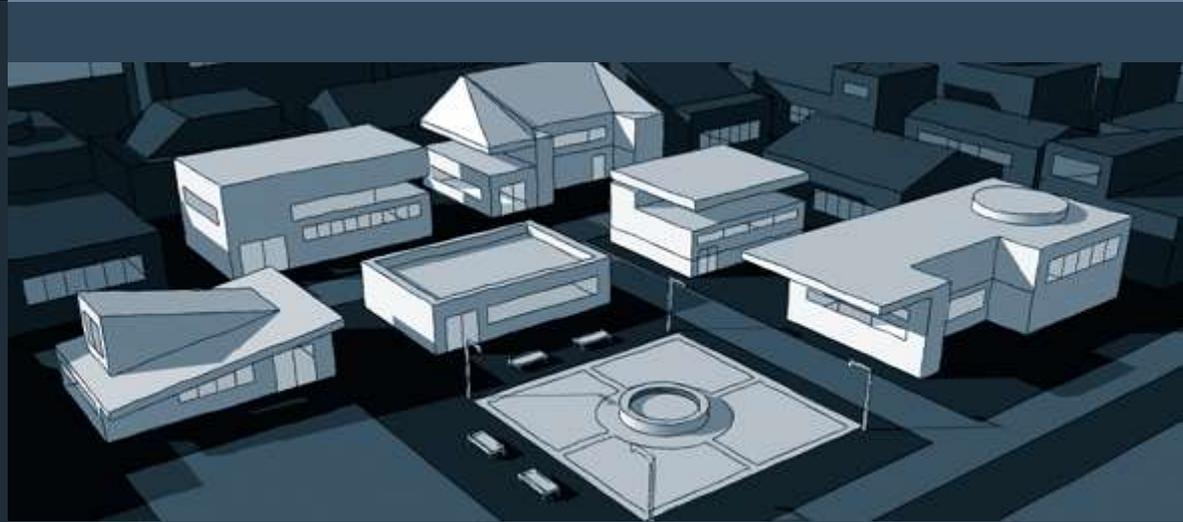


Using PI Real-Time SQL (CBT)

Online Learning Labs....



OSIsoft Virtual Campus (vCampus)



- Next generation DevNet
- **Online, virtual community** for **PI developers** that provides everything needed to build applications on the PI System
 - Development PI System
 - Resources
 - Support/Collaboration in various ways
- For all PI developers and integrators
 - Customers
 - Partners
 - OSIsoft



What's in the Box ?

Servers

- PI Server
- AF Server + Event Frames
- PI Notifications
- PI ACE

Clients & Interfaces

- PI ProcessBook
- PI DataLink
- PI WebParts
- PtoPI Interface

Data Access

- PI SDK
- AF SDK
- PI OLEDB
- PI OPC
- PI JDBC
- PI OPC UA
- PI Web Services

Online Resources

- Forums & Blogs
- Webinars
- Documentation
- Technical Articles
- Demos/Labs

Community

- Peers
- vCampus Team
- Many other OSIsoft people



Servers

- PI Server
- AF Server + Event Frames
- PI Notifications
- PI ACE



Resources

What's in it for you ?



- Faster time to market
 - Resources
 - Collaboration (Others did it... others know it...)
- Closer relationship with OSIsoft
 - Developers, Product Managers
 - Get heard (Feedback → Development)
- Be the first to know
 - CTP, Beta, RC, exclusive contents



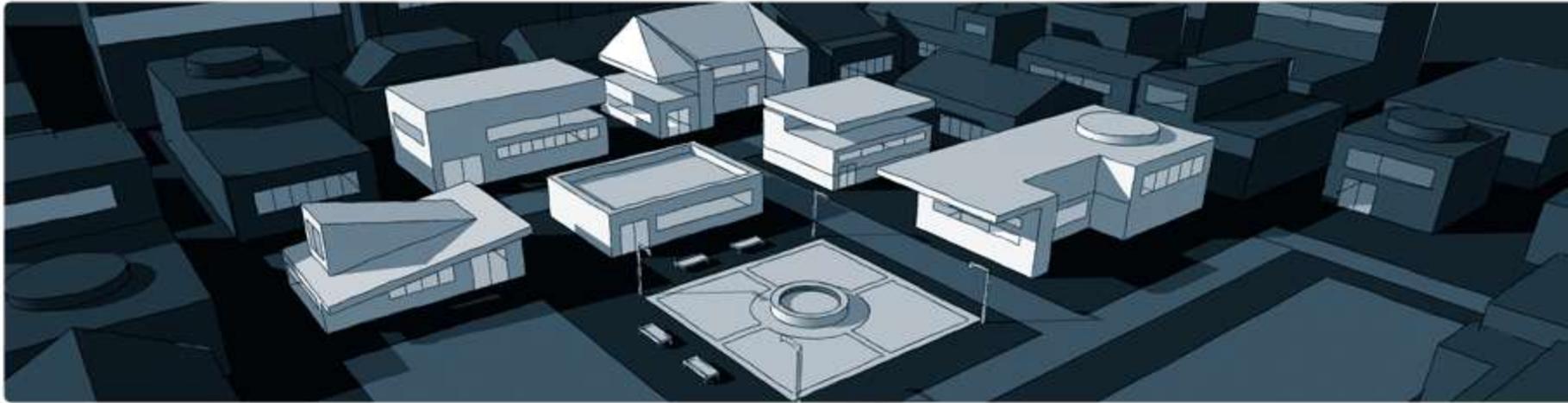
Where are we at ?

- Launched in November 2008 (Amsterdam UC)
- >1000 registered users
- >6500 posts on the discussion forums
- 14 blogs
- 20 monthly webinars (with recordings)
- 5 online courses
- Exclusive content in the Library and the Download Center
- >160 tweets



- Online Application
 - <http://vCampus.osisoft.com> > Apply Now
- Subscription Types
 - Individual
 - Team (10 seats)
 - Enterprise (unlimited seats)





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

EVENTS

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

[25-Aug-10] vCampus webinar: **Your Personal PI System 2010**

[28-Jul-10] vCampus webinar: **PI OLEDB Enterprise 2010 - Accessing AF through SQL Queries**

[13-Sep-10] **OSIsoft vCampus Live! 2010:** Annual PI Technology Event in San Francisco ([read more and register here](#))

NEWS

[06-Oct-10] The **OSIsoft vCampus Live! 2010 presentations** are now available for attendees!

[21-Sep-10] Congratulations to **Asle, Michael, and Rhys** for being chosen as the **2010 All-Stars!**

[09-Sep-10] The vCampus website will be unavailable Saturday September 18, 2010 from 8am to 5pm Pacific Daylight Time (GMT -7) due to maintenance.

[20-Aug-10] The recording of the **PI OLEDB Enterprise 2010** webinar is available



LIBRARY

- vCampus Library
 - Legacy DevNet Content
 - Newsletters and Announcements
 - 2008-11-08 - Announcement - The Virtual Campus Opens Its Doors!
 - 2008-12-11 - Newsletter - Recent Changes and Upcoming Events
 - 2009-01-16 - Newsletter - 2009, The Content Year
 - 2009-05-26 - Newsletter - New Arrivals For This Season
 - 2009-11-16 - Newsletter - First-Year Anniversary
 - 2010-04-20 - Newsletter - More, Together
 - 2010-05-14 - Announcement - Product Updates on the Download Center
 - OSIsoft - Microsoft Accelerators
 - Dynamic OBA with SharePoint 2007 Enterprise
 - Add PI Point Trend Actions to the Business Data Catalog
 - Find and Display PI Points with SharePoint Enterprise Search
 - Integrate PI DataLink for Excel Services with RtWebParts
 - Provide PI Module Contexts to PI DataLink for Excel Services
 - Surface PI Point Data in the SharePoint Business Data Catalog
 - View and Edit PI Point Data with InfoPath 2007 Forms
 - Streaming BI with PerformancePoint Server 2007
 - vCampus PI Products Kit
 - Client Products
 - Data Access Technologies
 - Server Products
 - White Papers and Tutorials
 - Miscellaneous
 - PI ACE

Virtual Campus Library

Welcome to the vCampus Library, great source of information for PI System developers! The Library contains different types of documents including documentation, user and programmer guides on all the PI products provided with vCampus. To find what you want you can simply browse the hierarchical index on the left, or perform a search with the desired keywords (located at the top-right corner of the page).

While the Library already contains some architectural guidelines – the "OBA Accelerators" series for instance –, the vCampus team will be working at increasing the number and type of such documents: how-to's, best practices, guidelines, tutorials, etc. In the mean time, check out these OBA (Office Business Applications) Accelerators, designed to make easier development/integration of PI in Microsoft Office applications, notably Microsoft SharePoint.

Also keep in mind that as a member of vCampus, you can play a big role in how the Library evolves: your feedback on the current contents, especially suggestions on potential topics and articles are more than welcome! We encourage you to forward any ideas or feedback you have to the vCampus team, at vCampus@osisoft.com Happy reading!


[Home](#) > [Discussion Hall](#)

DISCUSSION HALL

Personalize

GENERIC FORUMS

	Latest post	Threads	Posts
 Generic vCampus Discussions This forum is for generic discussions about the Virtual Campus, typically not programming-related.	Re: PI Server 2010... by Steve Pilon 10-08-2010 2:03 PM	146	943
 General .NET Development This forum is for any generic .NET development question, not necessarily related to PI.	Re: Difference UpdateValue... by Andreas 09-02-2010 2:07 AM	42	277
 PI System Integration This forum is for questions on integration of the PI System with other systems - not necessarily programming-related.	Re: Using AF Linked... by Steve Pilon 10-08-2010 7:19 AM	97	563
 Training & Online Courses This forum is dedicated to non-technical discussions around the Online Courses - or CBTs, Computer-Based Training - provided on vCampus.	Re: Comparing On... by Cristobal Escamilla 07-12-2010 8:54 AM	16	55

DEVELOPMENT WITH OSISOFT SDKS

	Latest post	Threads	Posts
 PI SDK Development This forum is for questions regarding development with the PI SDK.	Re: PI Event Time by Steve Pilon 10-09-2010 12:26 PM	175	1,095

RSS FEED



Subscribe to the Forums feed

SHORTCUTS

- View all users
- Posts you have not read
- Forum Subscriptions
- Who is online

TAG CLOUD

.NET ProcessBook Add-Ins **AF** AF 2.X
AF SDK Builders' Café Webinars
 Series Event Frames HA **OSIsoft**
vCampus Live! **PI ACE** PI
 DataLink PI ModuleDB PI Notifications
PI OLEDB **PI**
ProcessBook PI ProcessBook .NET
 Add-In **PI SDK** **PI Web Services**
 PI WebParts ProcessBook Automation


Discussion Hall > Development with OSIsoft SDKs > PI SDK Development
PI SDK DEVELOPMENT

This forum is for questions regarding development with the PI SDK.



 Page 1 of 9 (175 items) [1](#) [2](#) [3](#) [4](#) [5](#) [Next >](#) ... [Last >>](#)
TOPICS

	Replies
 PI Event Time Latest post by Steve Pilon , 10-09-2010 12:26 PM	10
 Error on PISDK.PIModule.AddPIUnitBatch Latest post by Ahmad , 10-07-2010 4:39 PM	2
 Filter Expression in Datalink Latest post by Steve Pilon , 10-07-2010 12:38 PM	1
 Issues With PI-SDK Snapshot high data sampling Latest post by Steve Pilon , 10-06-2010 3:25 PM	5
 IIS Windows Authentication - PI SDK Latest post by Ken Coates , 10-06-2010 1:57 PM	14
 PI Tag Permission/Security using PISDK Latest post by Steve Pilon , 10-05-2010 12:41 PM	4
 PI API or PI SDK Latest post by Jay Lakumb , 10-04-2010 4:11 PM	7
 Authentication of client's applications in Windows Domain Latest post by Ahmad , 09-29-2010 1:42 PM	3
 .NET addin code, strange runtime error	8

SHORTCUTS

- [View all users](#)
- [Posts you have not read](#)
- [Forum Subscriptions](#)

TAG CLOUD

.NET Annotations Async
C# Collective Digital State
 Enhancement Request **Event**
GetPoints ListData Mult
Threading Performance Equ
 (Deprecated) PI DataLink PI M
OLEDB PI Points Databas
SDK PI SDK Buffering
PointAttributes Security
 ServerManager **Summarie**
 TechSupport vs. vCampus Wind



Auditorium > vCampus > Tools > Builders' Café Webinar Series - PI OLEDB Enterprise 2010



Builders' Café Webinar Series - PI OLEDB Enterprise 2010

posted by [Andreas](#)
08-19-2010



[Download](#)

[Email replies to me](#)
[Add file to favorites](#)
[Add gallery to favs](#)

Downloads: 46
File size: 11.8kB
Views: 120

Embed
`<script type="text/ja`

Filed under: vCampus PI Products Kit, PI OLEDB, AF 2.x

This is the recording for the vCampus-exclusive webinar titled "**PI OLEDB Enterprise 2010**" (part of the "**Builders' Café**" webinar series) that was held on July 28th, 2010.

The webinar presents PI OLEDB Enterprise 2010, a brand new product which exposes PI Asset Framework (AF) data in a relational way, making it accessible through SQL queries and in any OLE DB consumer application.

UPCOMING WEBINARS

Builders' Café Webinar Series

[29-Sep-10] PI System Tuning Optimization.

TAG CLOUD

AF AF 2.x AF HA AF SDK AF

AFSDK **Builders' Café Webinar Series CT**

Web Part Daemon Tools DVD em

Frames Event Pipe GUID HA ID

OPC DA/HDA Server PI DataL

DataLink for Excel Services PI

ProcessBook PI Server 2010

WebParts **SharePoint**

vCampus PI Produ



Home > Bloggers' Place

BLOGGERS' PLACE

All Blog Posts

	Author	Blog name	Views	Date	Rate
Video Recordings Available for OSIsoft vCampus Live! 2010	Steve Pilon	OSIsoft vCampus Live! Blog	15	10-06-2010	
Got Energy?!	Ahmad	Ahmad's Blog	51	10-05-2010	
Welcome to my brand new vCampus blog!	Rhys @ RJK Solutions	Rhys' blog	50	10-01-2010	
Exporting to SVG	Andreas	Andreas' Blog	30	09-23-2010	
Performing optimization on PI data using PI DataLink and Microsoft Excel Solver - Complete solution	Ahmad	Ahmad's Blog	51	09-22-2010	
OSIsoft vCampus Live! 2010 recap - ALL-STAR members - OSIsoft vCampus Live! 2011	Ahmad	OSIsoft vCampus Live! Blog	62	09-21-2010	
OSIsoft vCampus Live! 2010 is over - 2011 version is on its way!	Ahmad	Ahmad's Blog	49	09-15-2010	
OSIsoft vCampus Live! 2010 is over... already!	Cristobal Escamilla	OSIsoft vCampus Live! Blog	69	09-14-2010	
Want to talk future data, Silverlight and web services?	Steve Pilon	Steve's Blog	67	09-11-2010	
Less than a week before the big event!	Steve Pilon	OSIsoft vCampus Live! Blog	8	09-07-2010	
InsertPIData following					

RSS FEED



Subscribe to the Blogs feed

TAG CLOUD

Alliance BI Business Int

CTP DevCon DOBA Events

Microsoft MOSS OPC U

OSIsoft vCampus

Partner PerformancePoint PI A

OLED B PI ProcessBook PI W

Services PI WebParts

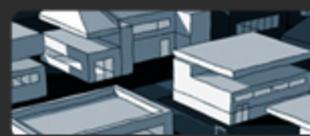
RtWebParts Security

SharePoint Technology R

Users Conference vCampus

BLOGS ON THIS SITE

OSIsoft vCampus Live!

[Home](#) > [Training Center](#)

TRAINING CENTER

Online Courses

You can now access our traditional **Computer Based Trainings (CBTs) online!** Cost- and time-efficient, these are a great way to learn: just like an instructor-led training, they offer several hours of "speech over presentation", with quizzes and exercises.

A [discussion forum](#) is also available to provide feedback or ask questions to the Training Department.

PI Application Development Training Course

This **instructor-led training** course is part of our standard training catalog and is scheduled to take place in various OSIsoft training facilities. It teaches the participants how to make use of the Data Access technologies available through OSIsoft vCampus. Whether you want to develop custom PI applications or integrate PI with other systems, this class will show you how to do so and what the best practices are.

Should you wish to go through the course yourself, you can download the material [here](#). If you would like to provide feedback to the Training department, you can use the "[Training & Online Courses](#)" [discussion forum](#). And do not hesitate to post technical questions on the other [discussion forums](#).

If you wish to find out more about this course or attend the instructor-led version, please consult the [course description page on our the Training website](#) for additional information on the course, the schedule and to register.

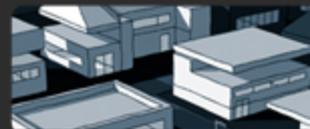
Online Virtual Labs - Coming in 2010

[29-Sep-10] vCampus webinar
System Tuning and Optimiz

>>

[06-Oct-10] The **OSIsoft vC**
Live! 2010 presentations are
available for attendees!

[21-Sep-10]< >>

[Home](#) > [Training Center](#) > [Online Courses](#) > [PI ProcessBook, PI DataLink, and RtWebParts](#)

PI PROCESSBOOK, PI DATALINK AND RTWEBPARTS

Audience:

This course is for beginning users of PI, and is often an individual's first look at OSIsoft's products. These include System managers of the PI system, members of a PI project team, or system integrators who work with OSIsoft customers. These individuals may be engineers, production managers, process operators, instrument technicians, PI project team members, information system analysts and computer support personnel. This is also an excellent course to take if you are considering buying PI and want to eventually implement all of its features.

[Launch Course](#)[Course Materials](#)[Course Discussion](#)

Prerequisites:

This class is taught in a Windows XP / Office 2007 environment, and is designed for students who have a good understanding of that environment. Knowing how to work in Excel is a prerequisite for this course, however no specific knowledge of PI software is required.

Class Outline:

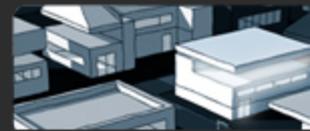
- Chapter 1.0: Introduction to PI
- Chapter 2.0: Common Dialog Windows
- Chapter 3.1: PI ProcessBook - Run Mode
- Chapter 3.2: PI ProcessBook - Build Mode
- Chapter 3.3: PI ProcessBook - Advanced
- Chapter 4.0: PI Datalink
- Chapter 5.0: PI Module Database
- Chapter 6.0: RtWebParts
- Chapter 7.0: ActiveView
- Chapter 8.0: PI Analysis Framework

COURSE RESOURCES

For comments on the content of these online courses, please contact **D'Orazio**. For technical questions, CBTs are not working properly, please contact >>

CBT SOFTWARE REQUIREMENTS

The video content presented in this course requires **JavaScript** to be enabled and a recent version of the **Macromedia Flash** player. If you are using a browser with JavaScript disabled please enable it now. For more information, please contact >>



[Home](#) > [Download Center](#)

DOWNLOAD CENTER

Provided with the vCampus membership is a complete set of PI Products to install and use as your personal development PI System. At this time, the **vCampus PI Products Kit** is available as a **DVD image**, under the form of an .ISO file. To make use of this .ISO file, one can:

- Burn it as an image to a writable DVD using any DVD burning software;
- Load it in a CD/DVD emulation software such as Daemon Tools (see links on the right-hand side).

Every new release of the vCampus PI Products Kit includes the latest versions of the included PI products at that time. Between the releases of the kit, every new version of a PI product is made available as separate download in the table below.

Just like any other regular PI System, a **PI Server License file** is required to install the PI Server component. While the kit comes with a 30-day temporary license, you will need to download the appropriate PI Server License File to use the software for the full length of your subscription (please see **the links on the right-hand side**).

Category

Name	Version	Size
» vCampus PI Products Kit (DVD Image)	May 2010	0.98 GB
» Machine Signature File (MSF) Generator	1.0.0.1	588 KB
» PI Server 2010 (32-bit)	2010 (3.4.385.59)	151 MB
» PI Server 2010 (64-bit)	2010 (3.4.385.59)	168 MB
» PI System Management Tools (SMT) 2010	2010 (3.3.3.0)	79.3 MB
» PI Asset Framework (AF) Server 2010	2010 (2.2.2.3870)	45.5 MB
» PI Asset Framework (AF) Client 2010	2010 (2.2.2.3870)	79.3 MB
» PI Asset Framework (AF) Compatibility Layer 2010	2010 (2.2.2.3870)	5.16 MB

MY LICENSE ACTIVATIONS

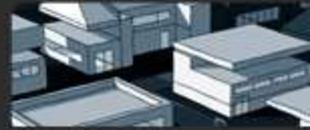
Link to the **My License Activation (MLA)** section of the **Technical website**, to obtain your license.

[Link to MLA](#)

DVD IMAGE WEBINAR

Make sure you check out this **webinar** if you are not familiar with the **DVD images**:

[Link to the "DVD Image" webinar](#)



OSISOFT VCAMPUS LIVE!



The OSIsoft vCampus Live! event is the **annual in-depth technology event** where PI System development, integration and administrative topics are being discussed. The 2010 edition was held on September 13-14, at the Palace Hotel in San Francisco.

Below are the video recordings of the sessions, as well as presentations that were used (in a PDF format). We hope you enjoy these and learn from them - and don't hesitate to ask your questions and initiate discussions on the [vCampus discussion forums](#).

Please save the date for OSIsoft vCampus Live! 2011 on the **week of September 12th, 2011**.

Day 1 - General Sessions

Introduction

John Baier, Steve Pilon
([Video](#)) ([Presentation](#))

PI System 2010



- Annual in-depth technology event
 - (next-generation DevCon)

- Week of September 12th, 2011
 - Palace Hotel, San Francisco

- Recognition of best contributors
- Announced at OSIsoft vCampus Live! 2011
- Privileges
 - Personal vCampus blog
 - Moderate vCampus forums
 - Voluntary participation to team meetings
 - Free admissions for the year to come
 - OSIsoft vCampus & OSIsoft vCampus Live!
 - Users Conference
 - A few more surprises...



"this site helps my mind run a thousand miles an hour with ideas, keep the material coming !!! "

*Kenneth Rice,
Idaho National Lab*





Thank you

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777 Davis St., San Leandro, CA 94577

11 Courses

10 Training Centers

8 Countries

Many Regional
Locations



Where and when you need it.

We come to you!



56 and counting

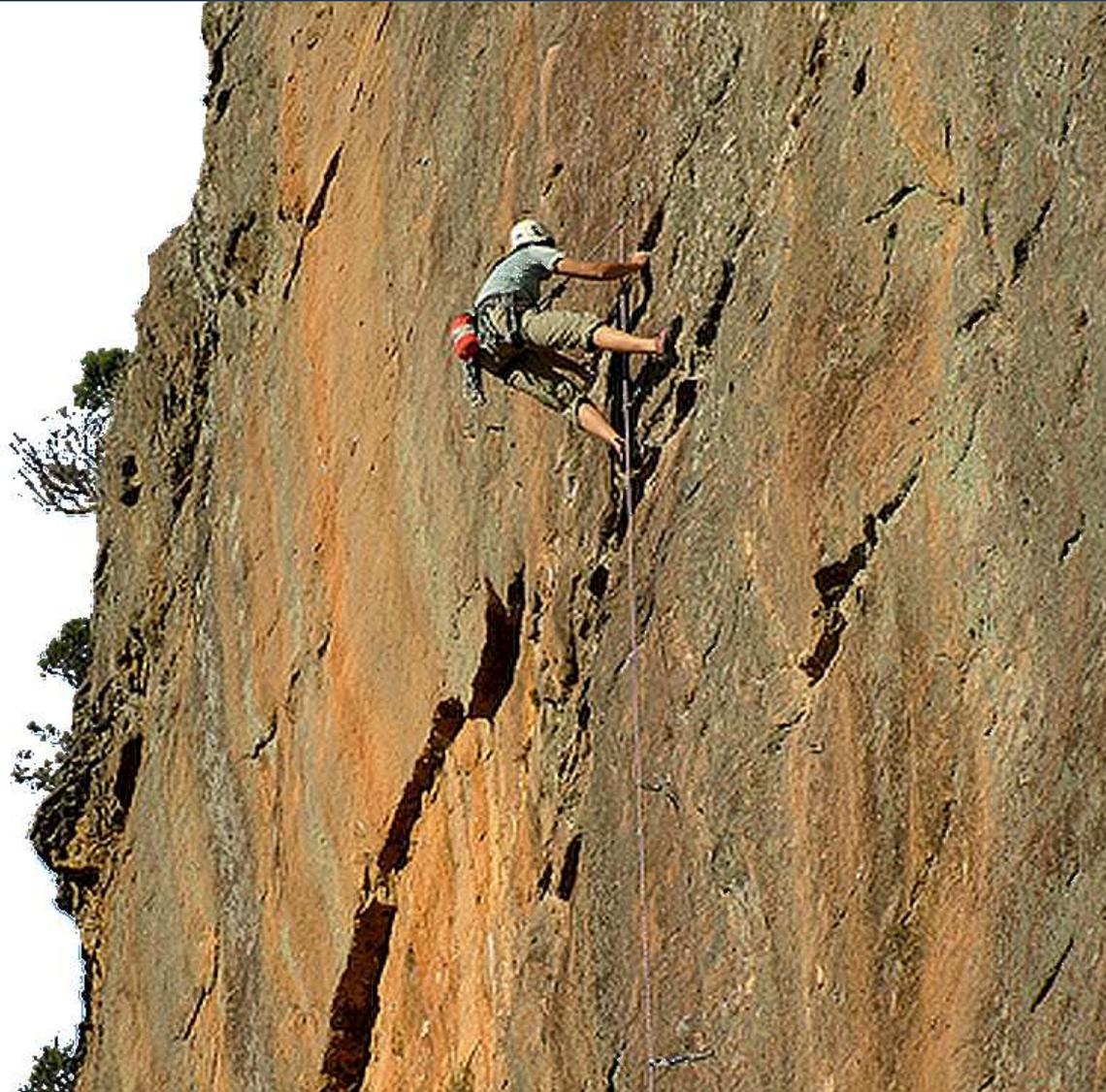


Free with SRP!

... or study
on your own

www.osisoft.com

- All training materials
- Product manuals
- vCampus materials



Supporting Slides



Key:



Prerequisite Skill



Classroom Training



Computer Based Training



Classroom / Computer Based Training



Webinar