

Real Time Information — Currency of the New Decade

Hilton San Francisco Union Square | San Francisco, CA April 26-28, 2010



OSIsoft® UC2010

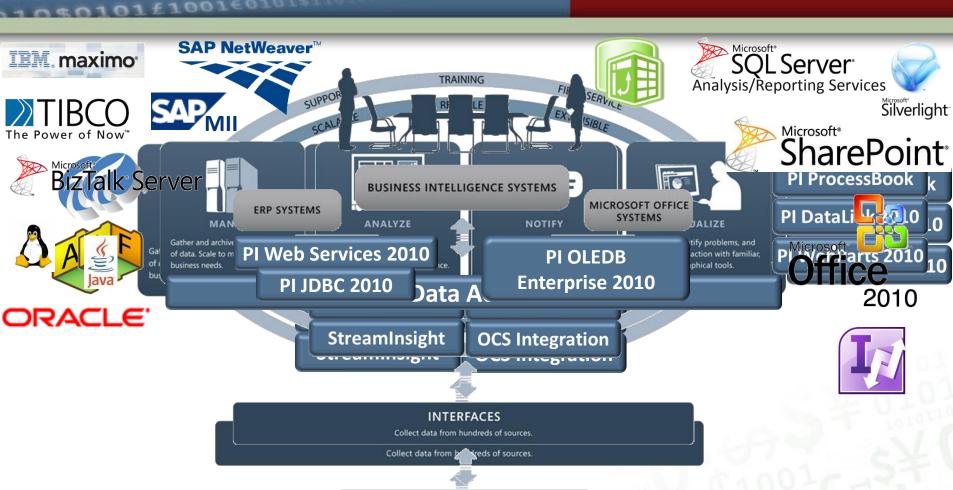
What's New with PI Data Access 2010

Steve Pilon, spilon@osisoft.com

Agenda

- The Tools
 - Value Proposition
 - What's New
 - Demonstrations

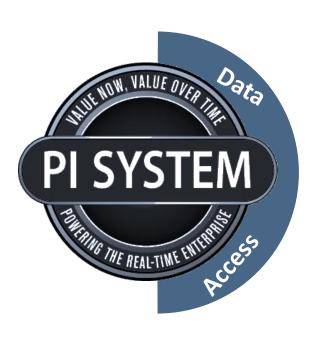
The Resources







Data Access in PI



Integration

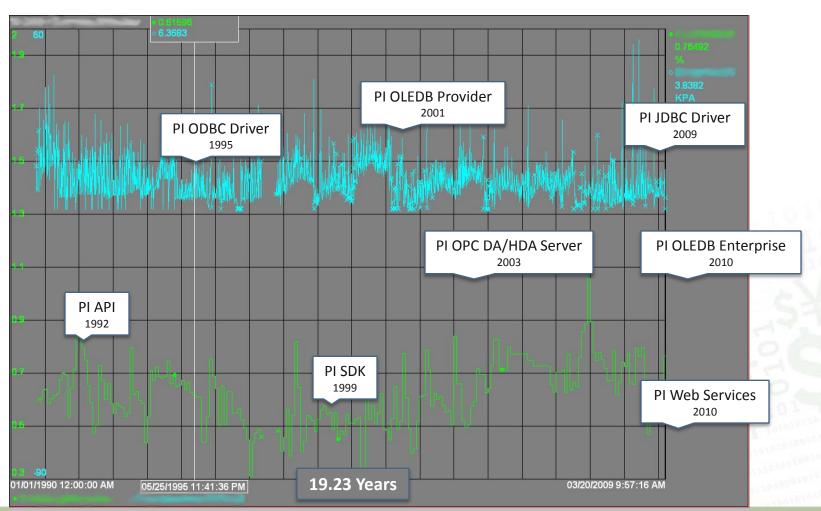
- Line-of-Business (LOB) Systems
- Orchestration/BI
- Databases
- Web Portals
- Reporting/Analysis

Custom Applications

- Domain-Specific
- Industry-Specific
- Company-Specific

Data Access: The Story

(courtesy of Jay Lakumb PowerPoint Services Inc.)



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Data Access: The 2010 Wave















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PI JDBC 2010

PI Web Services 2010 PI OLEDB Enterprise 2010 PI OPC DA/HDA Server 2010

OSIsoft SDKs



Asset Information / Metadata

Notifications

Event Frames





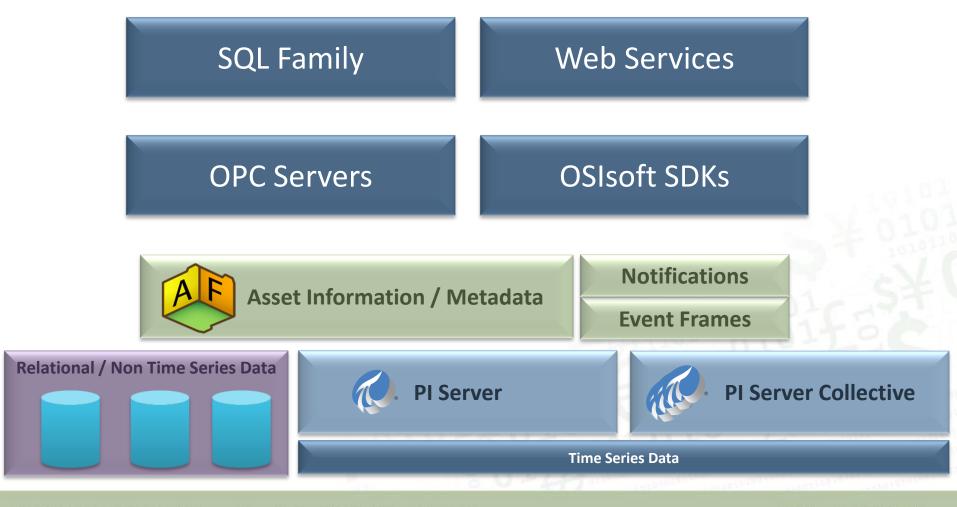


PI Server Collective

Time Series Data

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Data Access: The Products





SQL Family

Value Proposition







- Expose PI as a relational database
- Integrate with SQL-friendly tools





















SQL Family

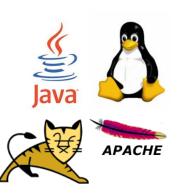
What's New







- PI JDBC 2010
 - Bring data to the Java world



- PI OLEDB Enterprise 2010
 - Access to AF





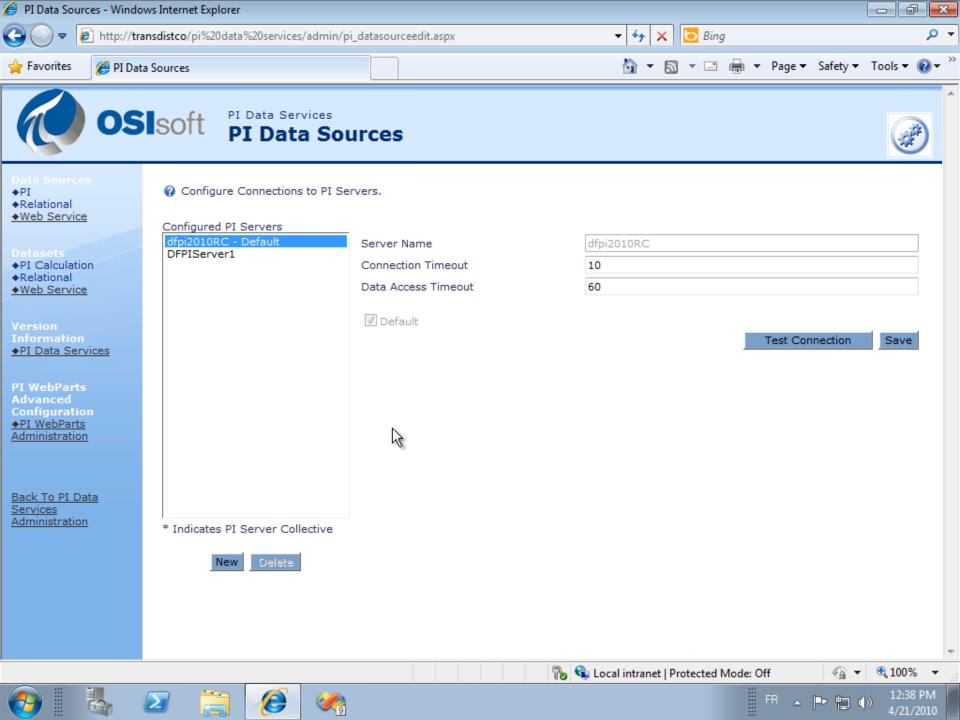


Demo

PI OLEDB Enterprise 2010
 in PI WebParts 2010







Demo

PI OLEDB Enterprise 2010
 in Microsoft Excel + PowerPivot







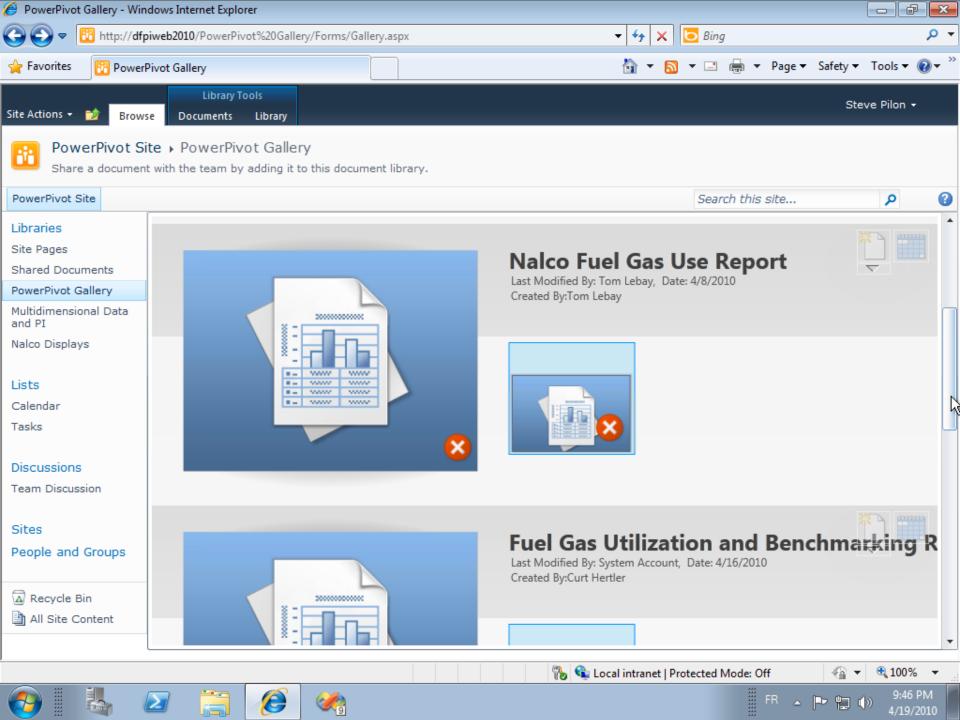
Excel 2010 Fuel Gas Report

Demo

PI OLEDB Enterprise 2010
 in SQL Server Reporting Services





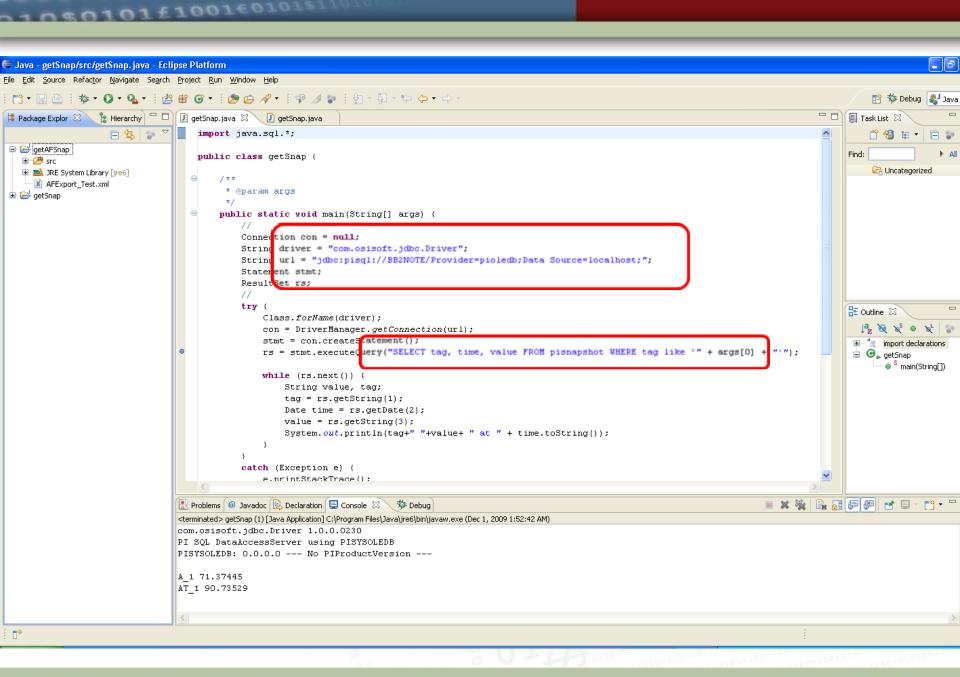


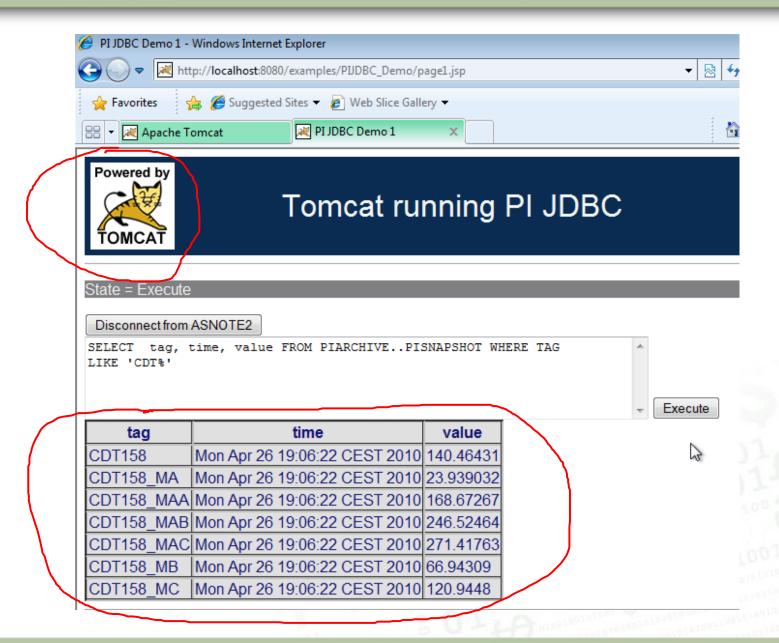
Demo

PI JDBC 2010
 in a Linux/Apache Environment











OPC Servers

Value Proposition







Talk to PI via well-known, popular standards

- Integrate with 100's of existing OPC Clients
 - Process optimization engines
 - Process analysis, calculations
 - Visualization/reporting





OPC Servers

What's New







- PI OPC DA/HDA Server 2010
 - Certified for Compliance
- Currently investigating
 - PI OPC UA Server (CTP on OSIsoft vCampus)
 - PI OPC Xi Server







Web Services

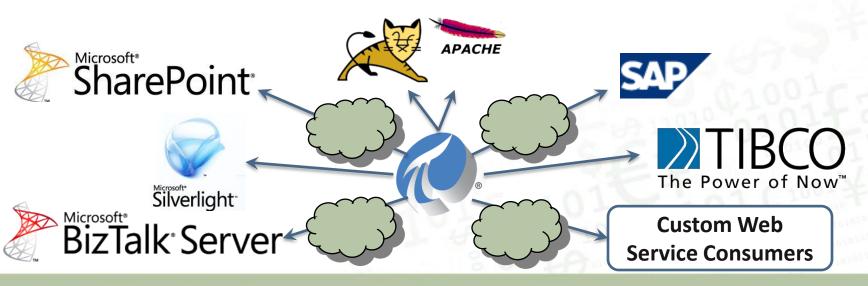
Value Proposition







- Web-based visualization
- Integration with business systems
- Friendly to IT architectures





Web Services

What's New







PI Web Services 2010



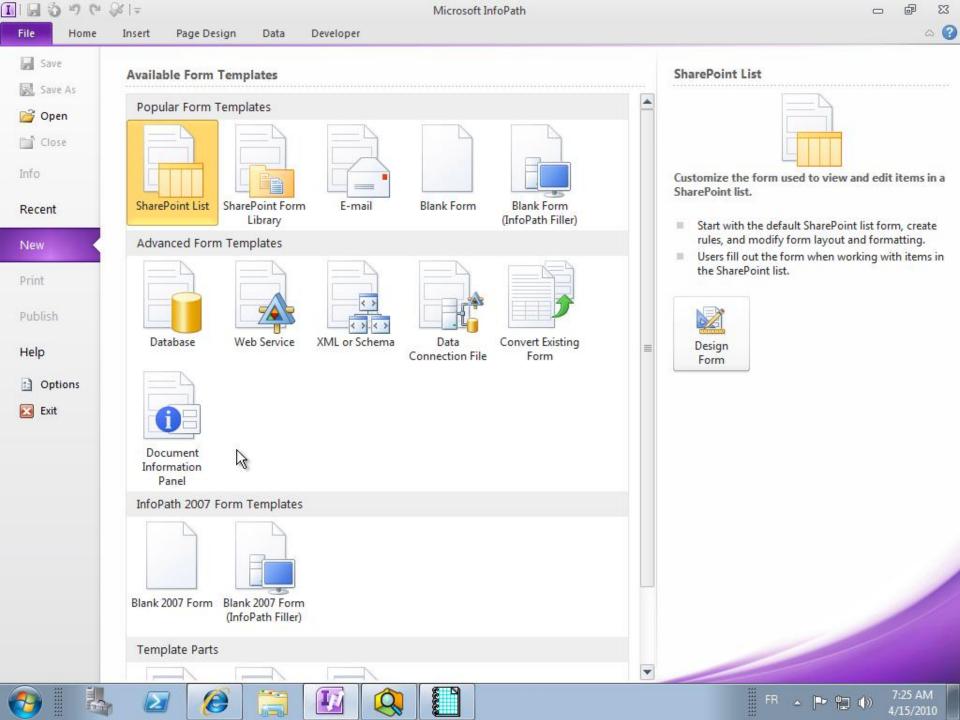
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Demo

PI Web Services 2010
 in Microsoft InfoPath Form Services





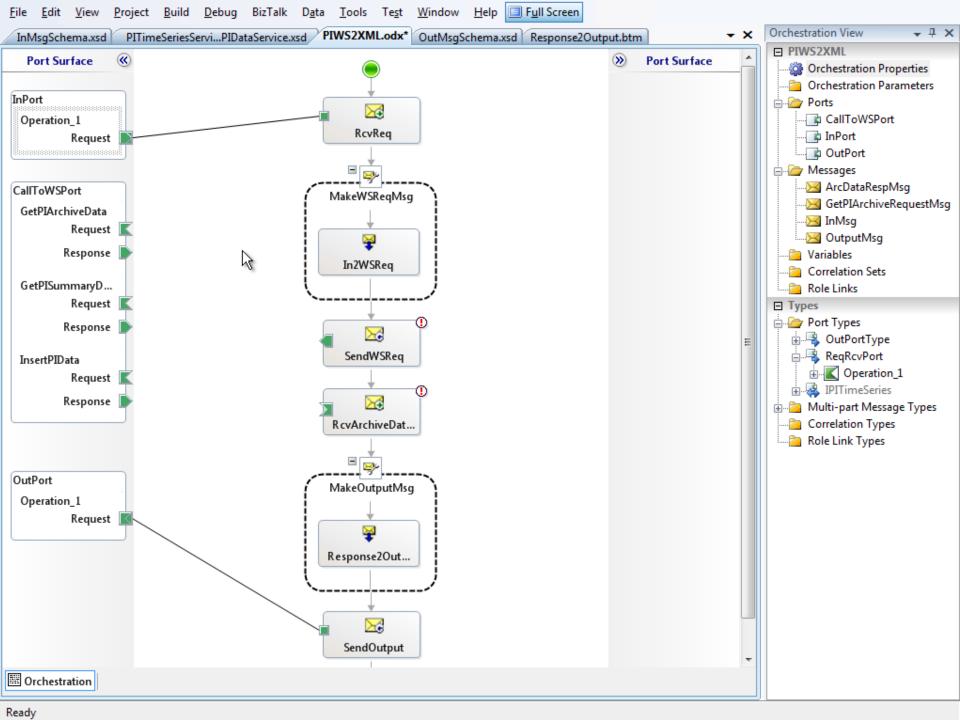


Demo

 PI Web Services 2010 in Microsoft BizTalk







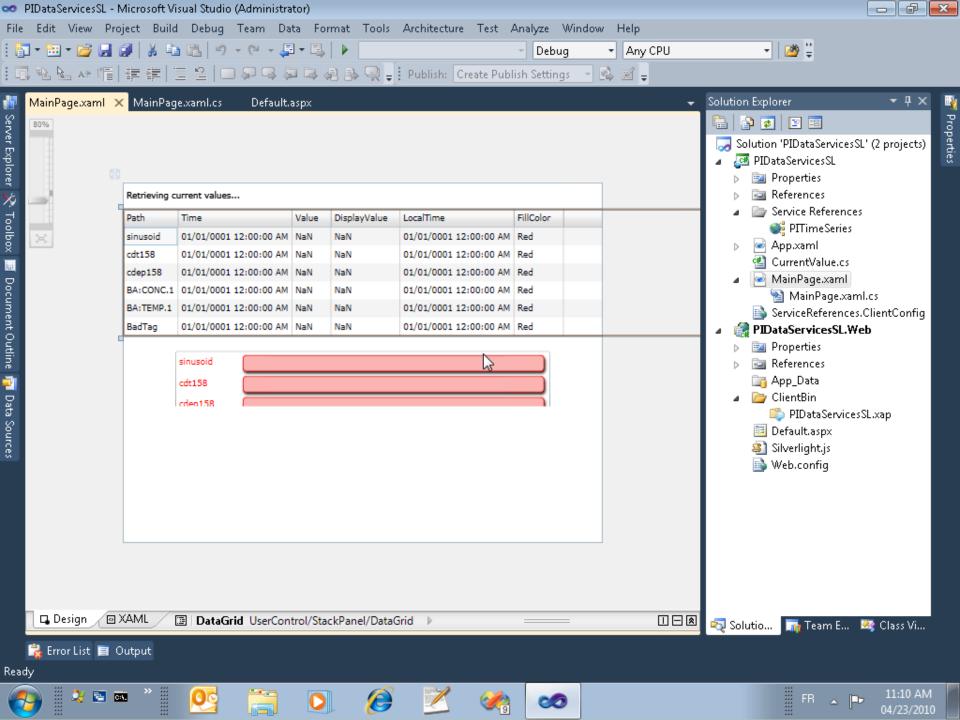
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Demo

 PI Web Services 2010 in a Silverlight control (web browser)









OSIsoft SDKs

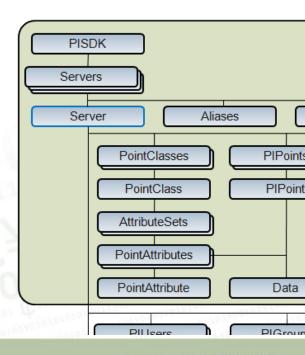
Value Proposition







- Object-oriented SDKs
 - PI, AF, Notifications
- Custom applications
 - Visualization
 - Configuration
 - Calculations
 - Analyses
 - Reports



SDK

OSIsoft SDKs

What's New



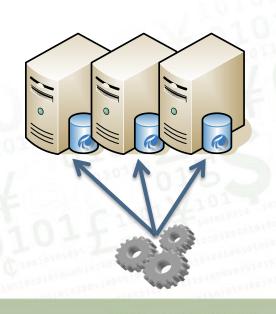




- Windows Integrated Security
 - PI SDK 1.3.6

- 64-bit
 - PI SDK 1.3.8
 - AF SDK 2.1

- Client-Side Buffering
 - PI SDK 2010 (coming)



Development -> Runtime





```
AFTimeRange tr = new AFTimeRange(new AFTime(tex AFValues vals = _afDB.Elements["Pump123"].Attri

lstValues.Items.Clear();
foreach(AFValue val in vals)
{

lstValues.Items.Add(val.Value.ToString() +
}
```

PI System Access
(PSA)





The Resources



- New Training Course
- OSIsoft vCampus
- OSIsoft vCampus Live!

New Training Course:

PI Application Development

- Focus on
 PI programming technologies
 - 4 days



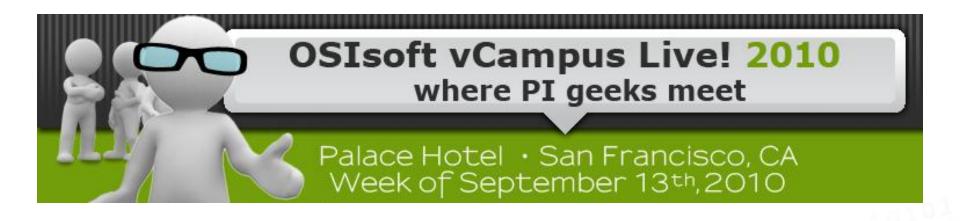
OSIsoft vCampus



Go see the "OSIsoft vCampus" Product Theater Talk

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OSIsoft vCampus Live!



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



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Thank you