



OSIsoft Product Roadmap 2010

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2009 The Year in Review



What did OSIsoft accomplish in 2009 to help you?



Security

Critical Facilities are Safe



Asset Centric PI

Define Once
Use Over and
Over



Localization

Use Worldwide



Scaling, 64 bit

Use PI for more data

Security



- PI AF 2.x uses Windows Security since the first release
- The PI Server 3.4.380 can leverage Windows authentication mechanism
- PI Notifications leverages PI AF and PI Server Security

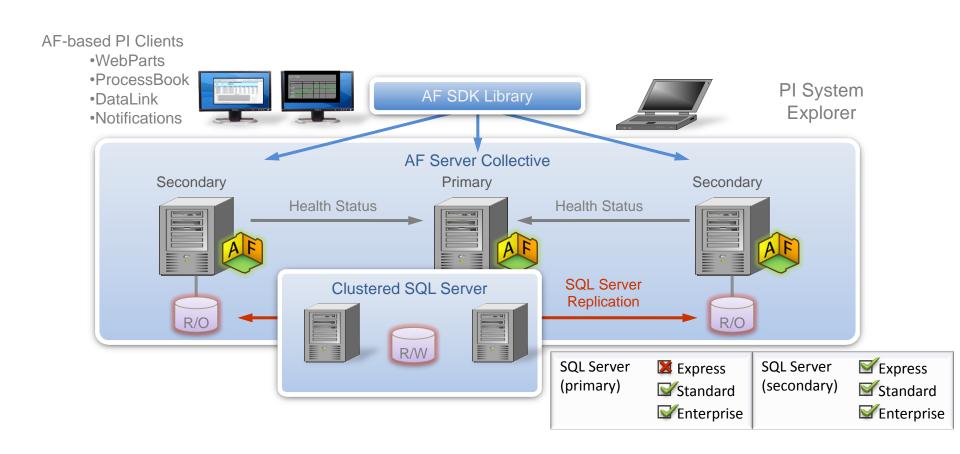






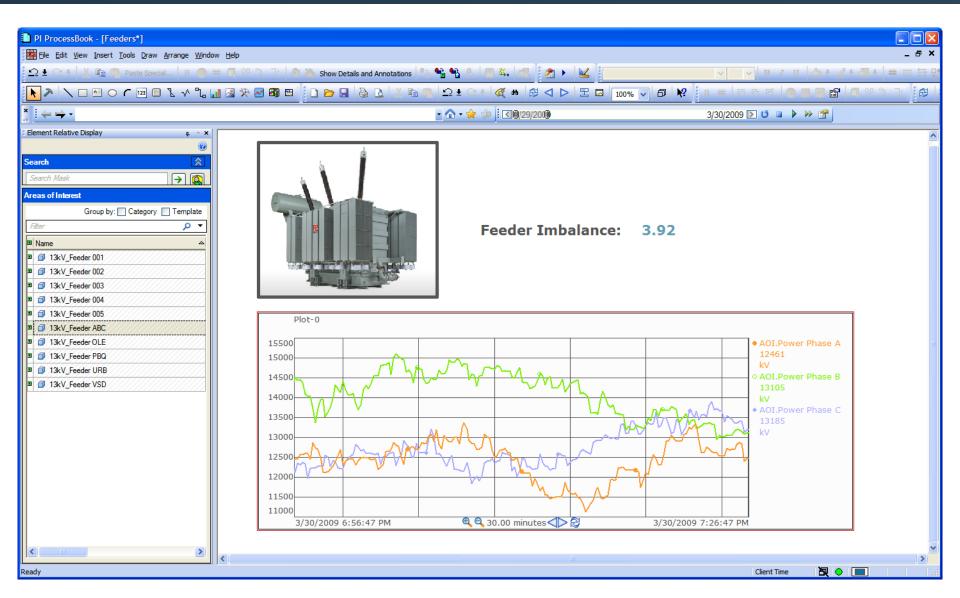
Asset Centric PI: AF HA





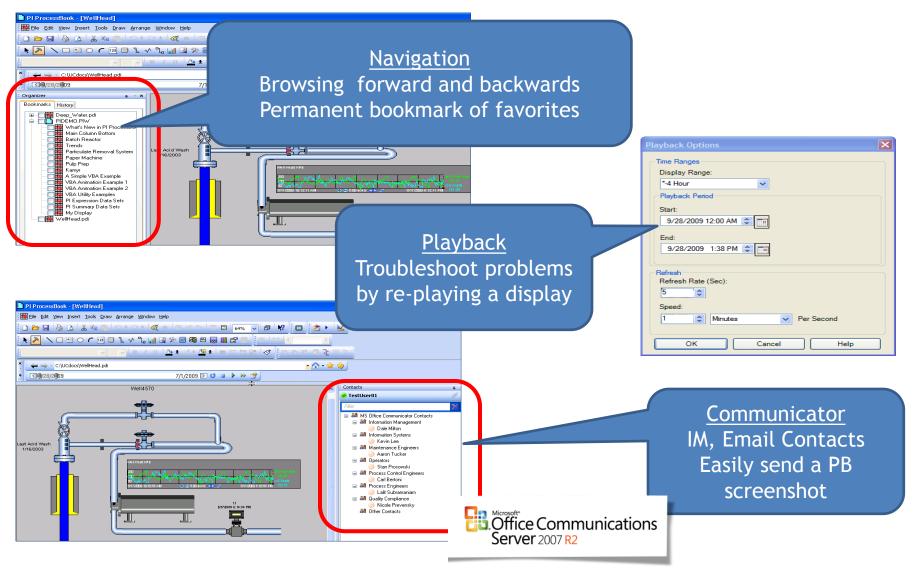
PI ProcessBook 3.2: Element Relative Displays





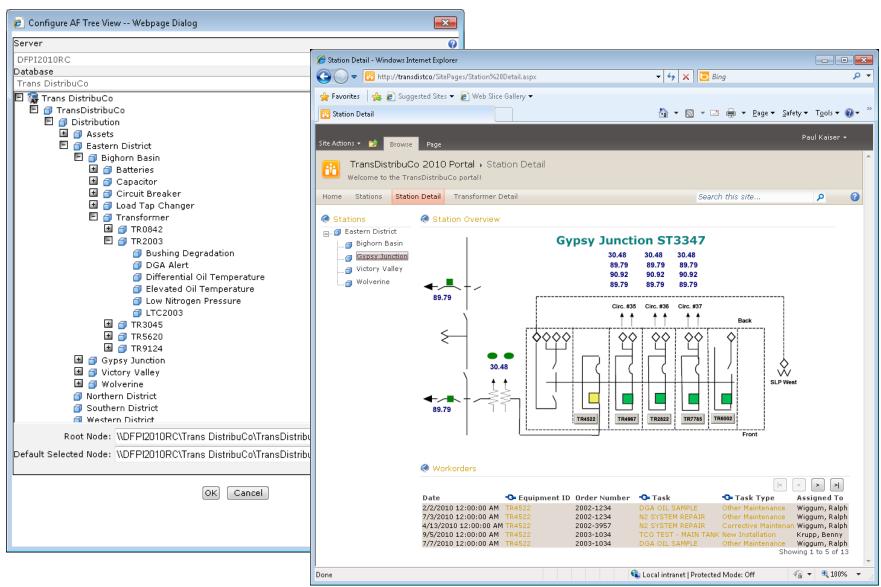
PI ProcessBook 3.2: Productivity Enhancements





PI WebParts 3.0





Interfaces: Accomplishments



- OSIsoft commitment:
 - 440 interfaces
 - 20 developers in 6 locations
 - Over 150 person years of development
 - 78 Interface releases during the past year
- PI3 380 Security for ICU and APS
- Support for Vista, 2008 Server, 2008 R2 Server, and Windows 7
- New Interfaces (Modus, ABB 800xA Batch, Wonderware InBatch, Honeywell TotalPlant Batch, GE iBatch, Siemens Spectrum Power TG)
- AMI Head-End Sytems (Trilliant UnitySuite, Silver Spring Networks UtilityIQ, Grid Net PolicyNet, Elster EnergyAxis)
- Other Interface Development (ESC StackVision, BACnet, ACS Prism on Linux, REpower OPC DA, UFL)

2009 The Year in Review



What did OSIsoft accomplish in 2009 to help you?



Security

- ✓ PI 380
- ✓ Deployment



Asset Centric Pl

- ✓ PI ProcessBook
- ✓ PI WebParts
- ✓ PI Notifications
- ✓ PI AF HA



Localization

- √ 8 languages
- ✓ 5 products
- √ 3 planned



Scaling, 64-bit

- ✓ Servers
- ✓ Data Access
- ✓ Web Access



What are the benefits of PI System 2010?



Simple

Easy to get started, system grows with you



Relevant

Delivers the most important data to right people



Collaborative

Everyone has access to the data, easy to share

What's New in PI System 2010





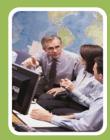
PI Clients

- PI WebParts 2010
- PI DataLink 2010
- PI for Office 2010









PI Data Access

- PI OLEDB Enterprise 2010
- PI Web Services 2010
- PI JDBC 2010



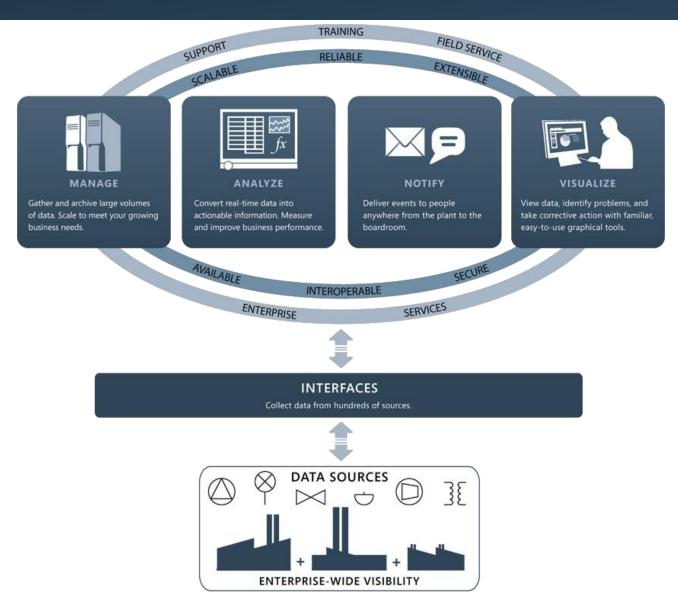


PI Server

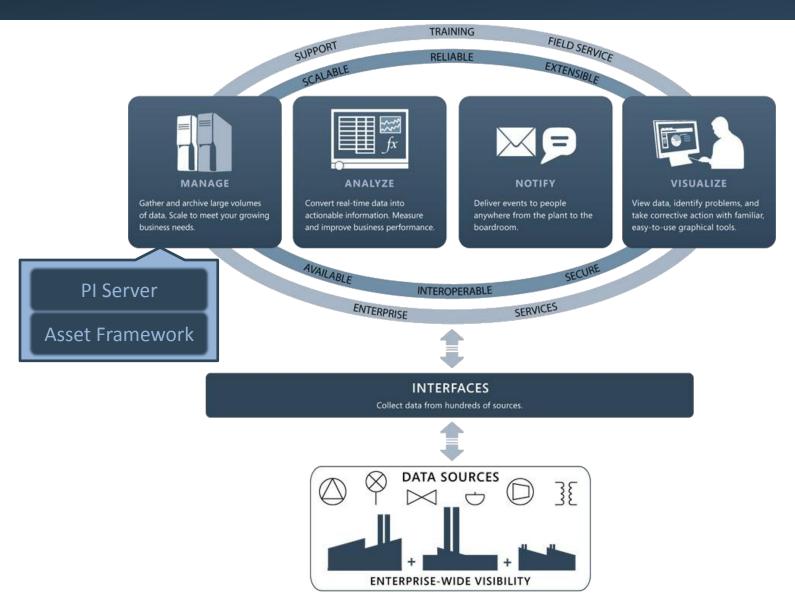
- PI Server 2010
- Assets and Tags
- PI Analytics for StreamInsight



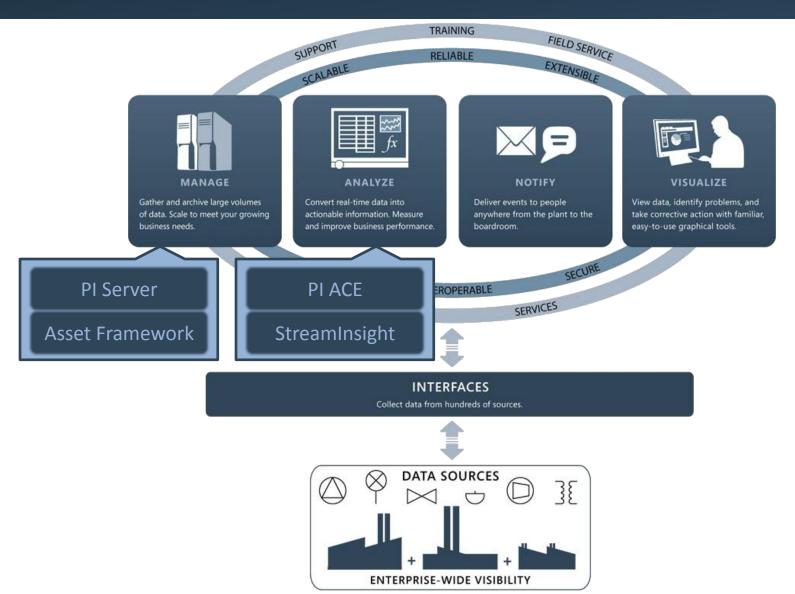




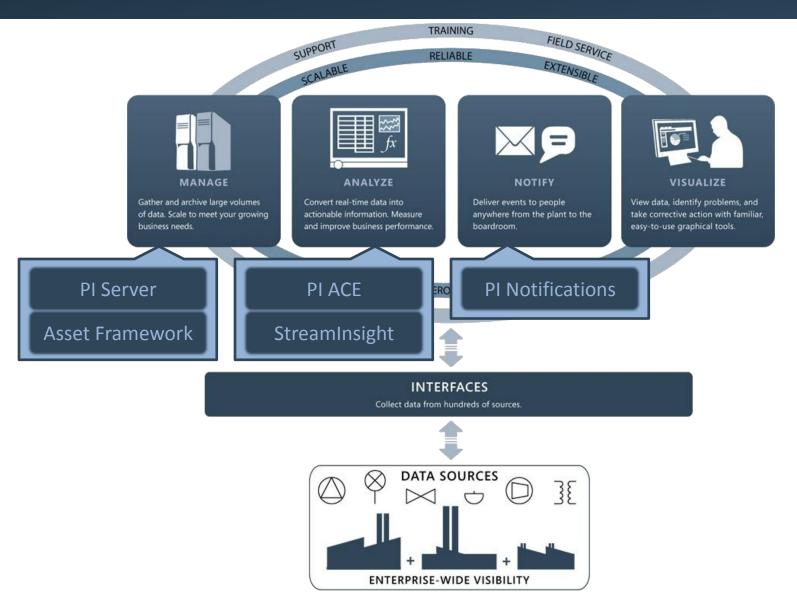




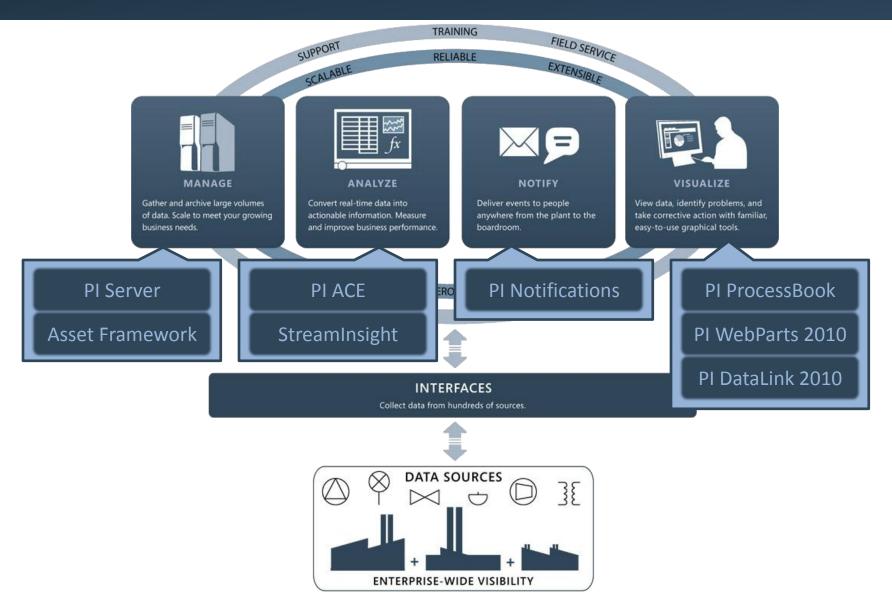




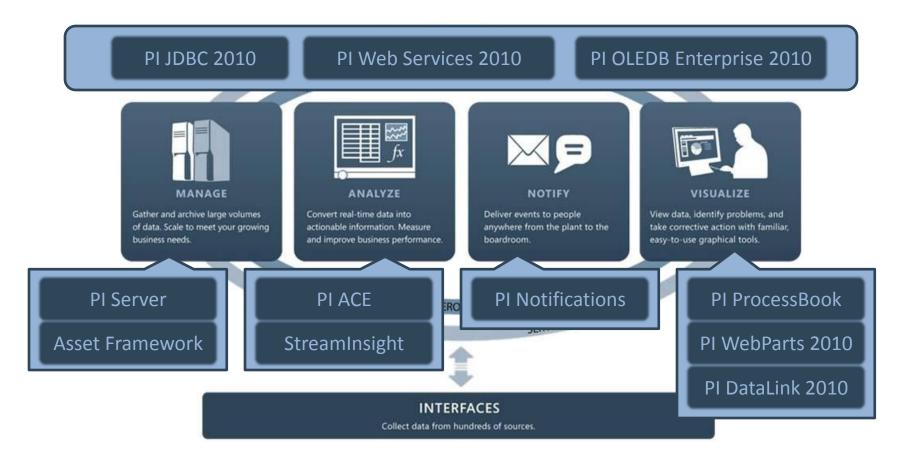




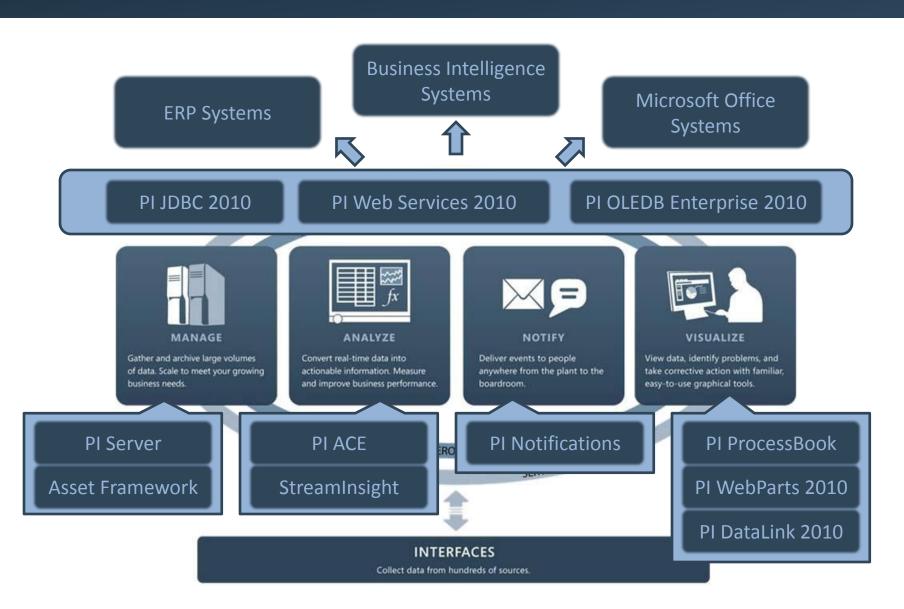






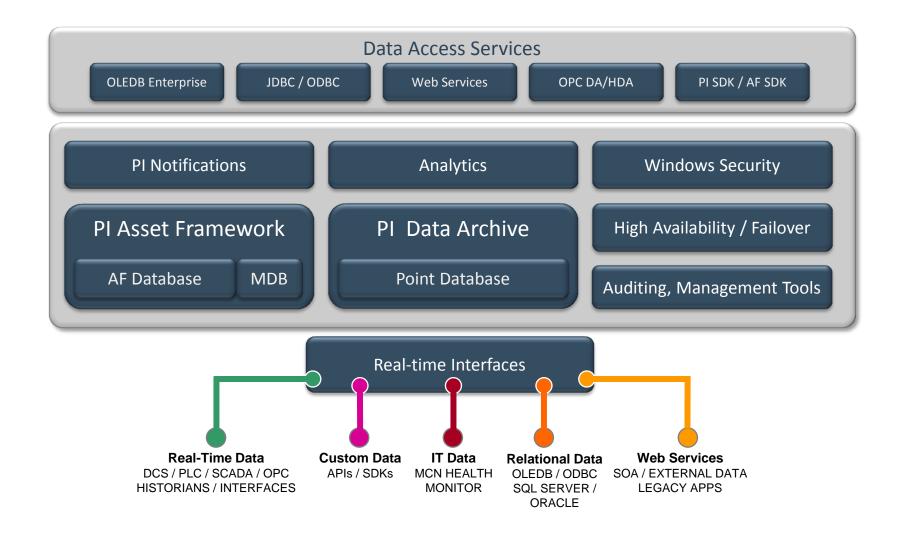






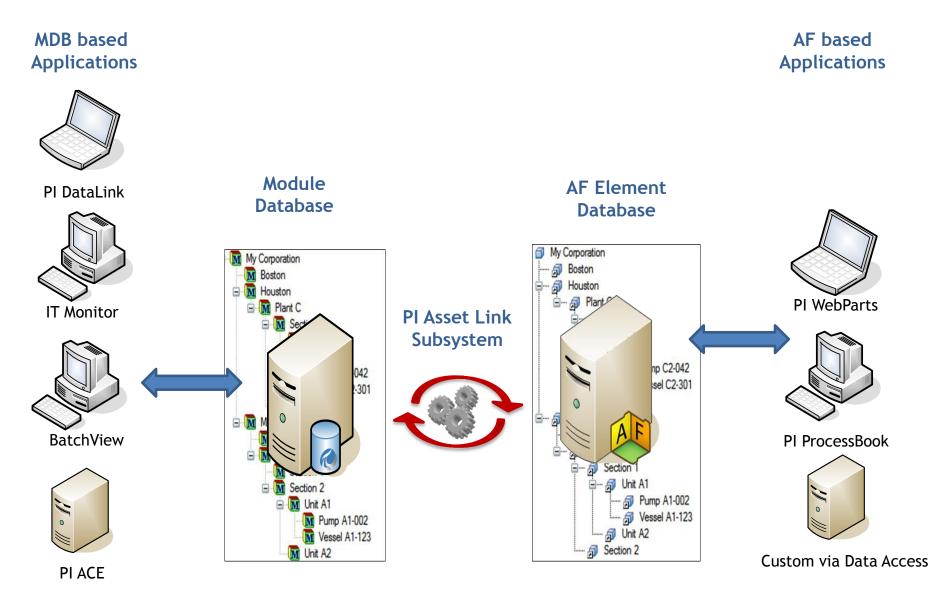
PI Server 2010





Migrating Module DB to Asset Framework (AF)





AF SDK Roadmap



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- Upcoming PI AF features in PI AF 2010 R2:
 AF Builder 1.0 Excel Add-In for Configuration
- Upcoming PI AF features in PI AF 2011
 - Event Frames
 - Configured Analytics
 - PE functions as a Data Reference

2010 Value Themes



- Scalability/Manageability/Performance
 - PI Server
 - PI Notifications
 - PLAF
- User Experience
 - PI System Search
- Analytics
 - PI ACE Performance
 - AF Analytics
 - Edge Processing

Scalability



- PI Server point database
 - Faster point creation and editing
 - Faster startup time
 - Even larger point counts
- PI Update Manager
 - More connections
 - More sign-ups
 - Faster sign-ups
- AF 2.2
 - Faster insert speed
 - Ability to traverse huge hierarchies

PI ACE



- Native support for 64-bit Windows *
- Upgrade to .NET code base
- Support for Visual Studio 2010
- Startup optimization *
- Cache enhancements *
- PI ACE Schedulers on multiple machines against a single PI Server



^{*} Performance enhancement

PI Web Services Roadmap



- Data-by-Exception
- Non-timeseries data
- PI System Search
- Bring PI AF forward
 - Full Manipulations on PI AF
 - Create
 - Read
 - Update
 - Delete

PI SDK Roadmap



Data Buffering

- Important Use Cases
 - Custom Interfaces
 - Applications that write data to PI System
 - SQL Applications, writing data to PI OLEDB
- Support for HA
 - Buffering in case of disconnection
 - "Fanning" to a Collective

PI DataLink



- Asset view of data
- PI System Search
- Better analysis via PowerPivot and BI tools
- Report building
- Publishing for others using Excel Services



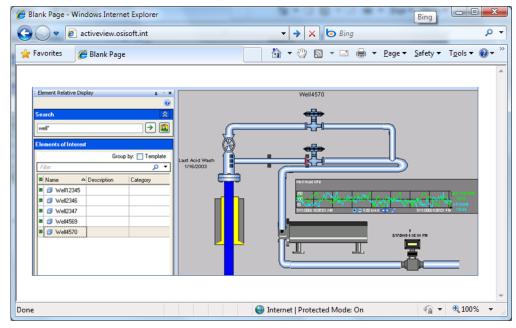




PI ProcessBook and ActiveView



- PI System search
- Docking Windows in ActiveView
- Time Management
- Multi-Language improvements
- Performance





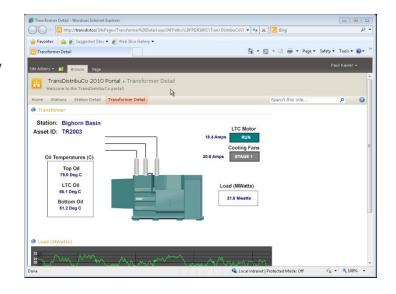




PI WebParts



- Improved access to asset data
- PI System Search
- Deployment architecture
 - Performance, Scale, Manageability
- Improve User Interaction











Thank you

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