



OSIsoft®

UC2010

Real Time Information — Currency of the New Decade

Hilton San Francisco Union Square | San Francisco, CA

April 26-28, 2010

PI Server 2010:



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PI Enterprise Server 2010

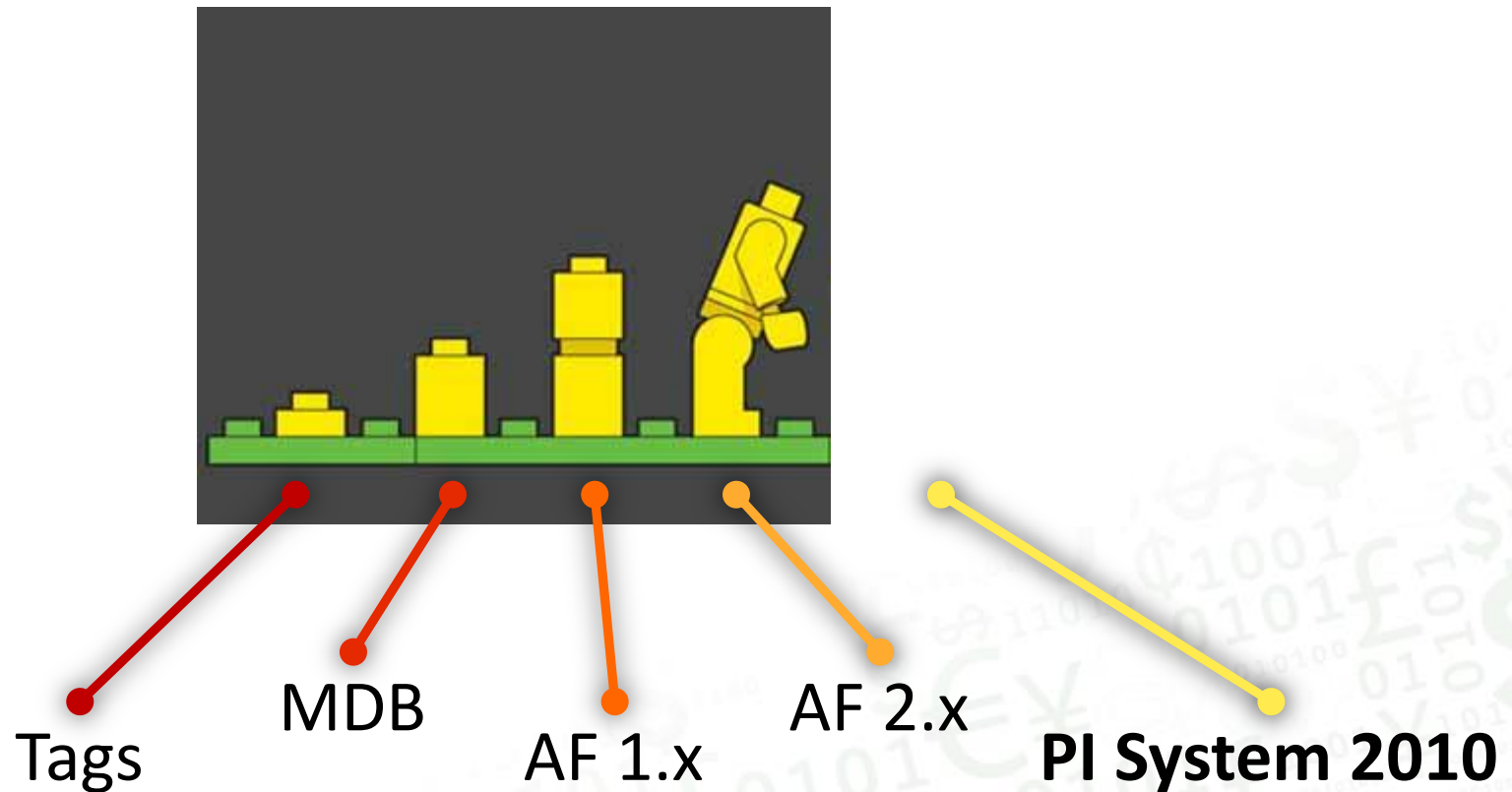
- What is PI Server 2010?
- Protecting Your Investment
- Deploying/Configuring
- Unlocking New Capabilities



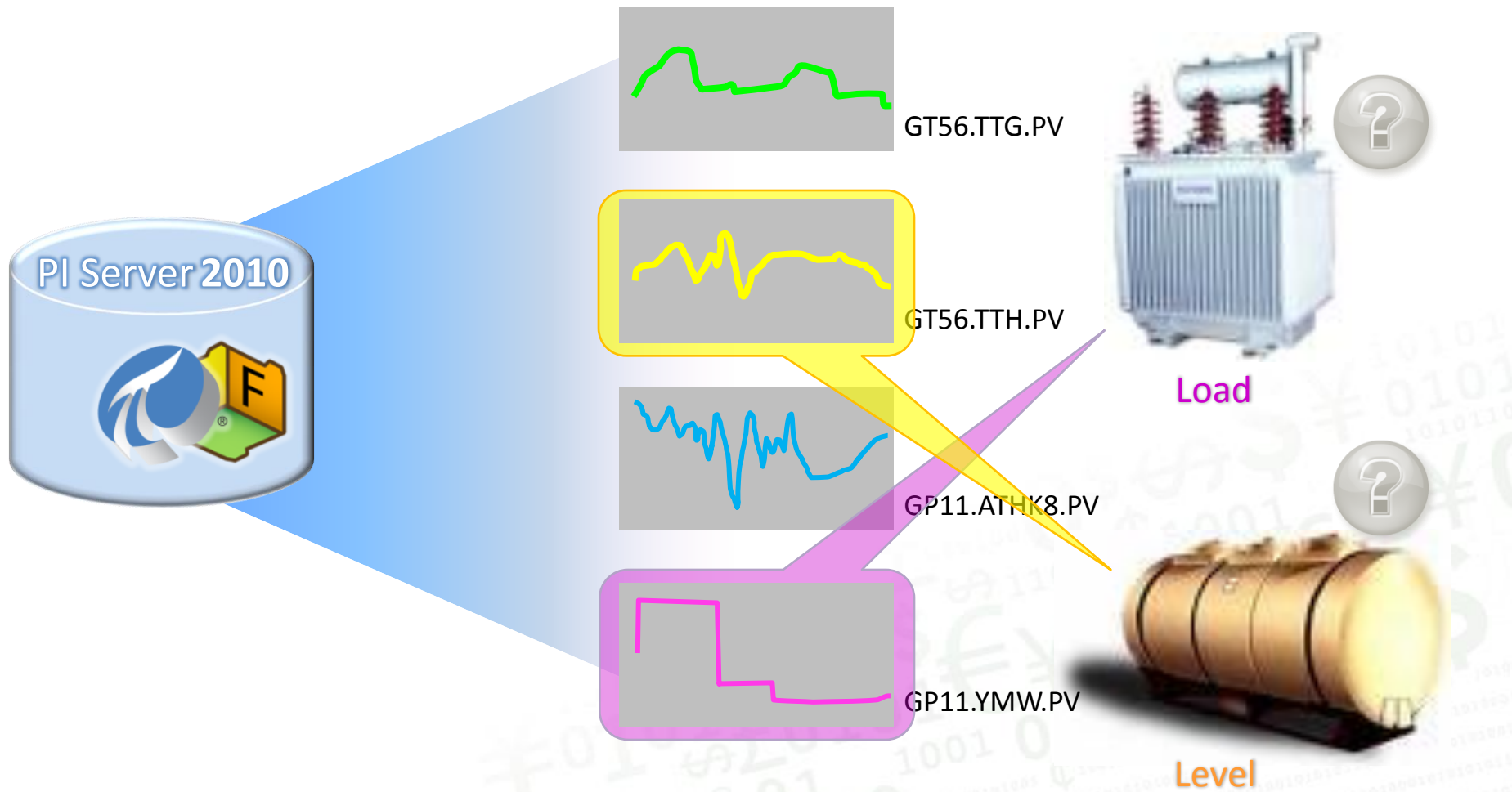
Demos!



Evolution of the PI System



AF = Asset Framework



Best of Both Worlds



Tags



Assets

Search AF in PI WebParts

DEMO



Stations - Windows Internet Explorer

http://transdistco/SitePages/Stations.aspx

Bing

File Edit View Favorites Tools Help

Favorites

Stations

Site Actions

Browse

Page

Tamara Carbaugh

Welcome to the TransDistribuCo portal!

Home

Stations

Station Detail

Transformer Detail

Search this site...

TransDistribuCo KPIs

Total System Load (MW)

Forecasted Peak Load (MW)

System Frequency (Hz)

TDCTotalSystemLoad.Value = 4848.3 ; 4/22/2010 3:00:00 PM

TDCForecastedPeakLoad.Value = 5553.9 ; 4/22/2010 3:00:00 PM

TDCFrequency.Value = 59.999 ; 4/22/2010 3:00:00 PM

Substation KPIs

Substation	Voltage (kV)	Frequency (Hz)	Substation Alarm
Bighorn Basin	512.5	60.0001	Off
Gypsy Junction	502.3	60.0002	Off
Victory Valley	505.6	60.0003	On
Wolverine	523.6	60.0001	Maintenance

Asset Search

Search

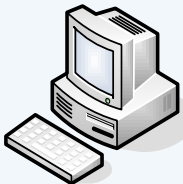
Name	Site	Path
	No Data	

Mixed Applications

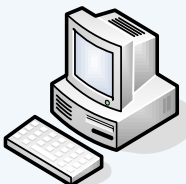
MDB based Applications



PI DataLink



IT Monitor



BatchView

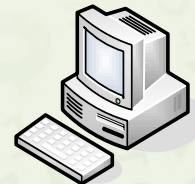


PI ACE

AF based Applications



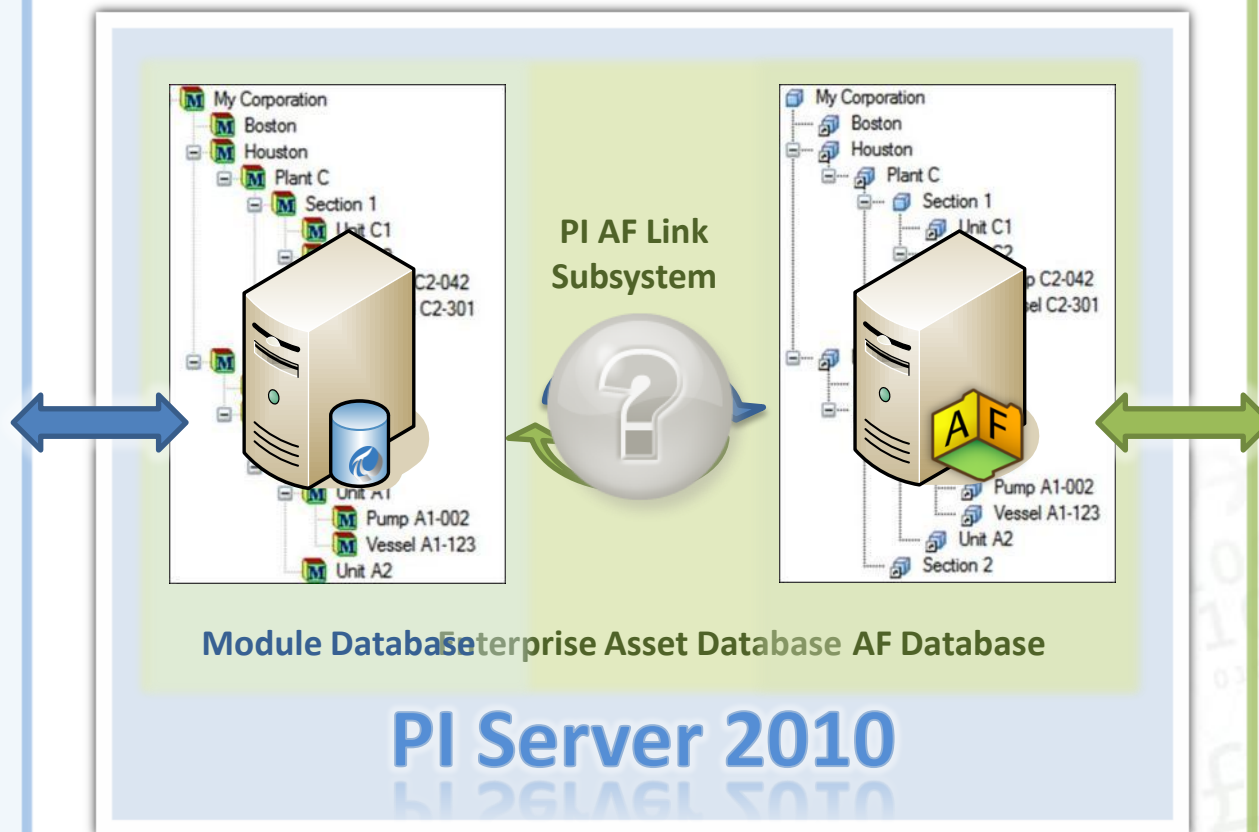
PI WebParts



PI ProcessBook



Custom App



Protecting Your Investment

- “No Customer Left Behind”
 - ✓ You can still do everything with tags
 - ✓ All Module Database apps still work
 - ✓ All Batch apps still work



PI Advanced Calculation Engine (ACE)
PI Processbook
Module Relative Display (MRD)

DEMO



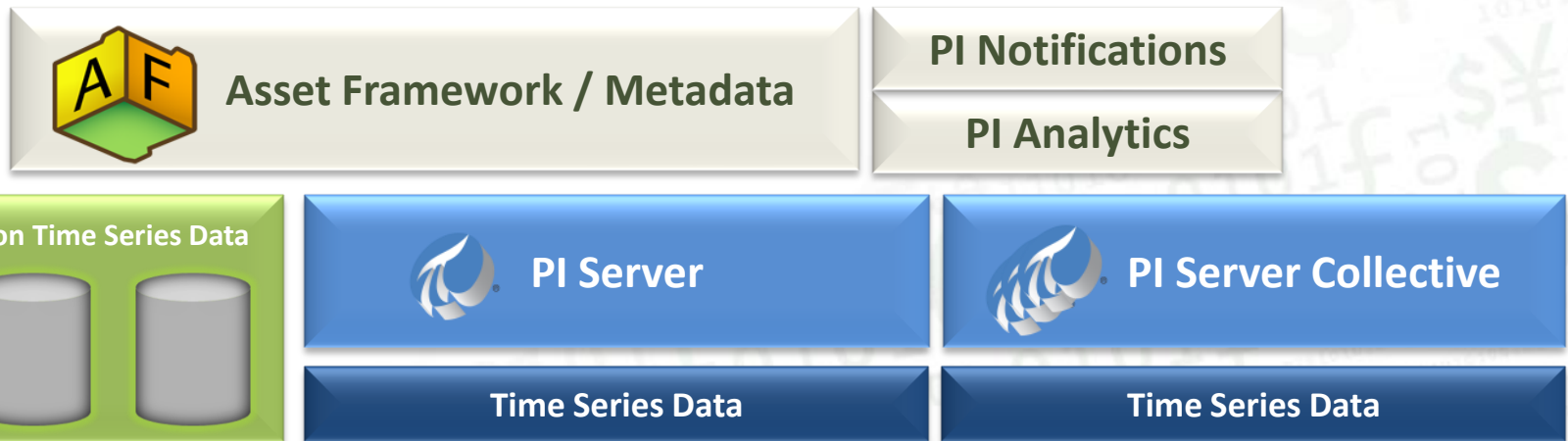


- DFPI2010RC
 - Aqua
 - BatchSim2
 - Exchangers
 - KPI
 - PumpMaintExe
 - Pumps
 - Sensors

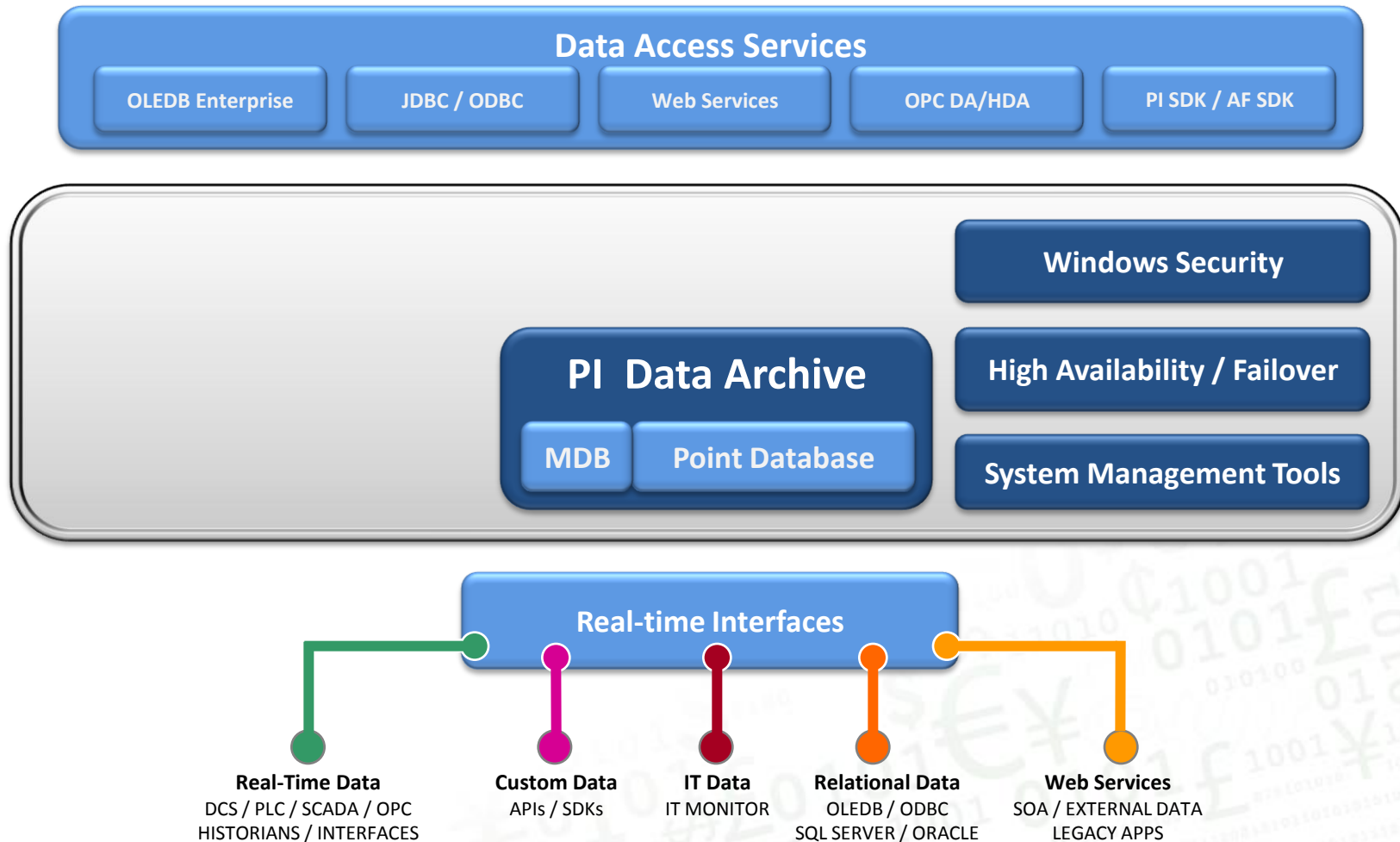
Name	Status/Value	Since	Schedule	Output Tags
Current Status	On	4/21/2010 1:04:19 PM		
Context Summary				
DFPI2010RC\Exchangers\Heat_Duty\\DFPI2010RC...	On	4/21/2010 1:04:19 PM	Clock (30, 0)	1
DFPI2010RC\Exchangers\Heat_Duty\\DFPI2010RC...	On	4/21/2010 5:34:47 PM	Clock (20, 0)	1

Unlocking New Capabilities

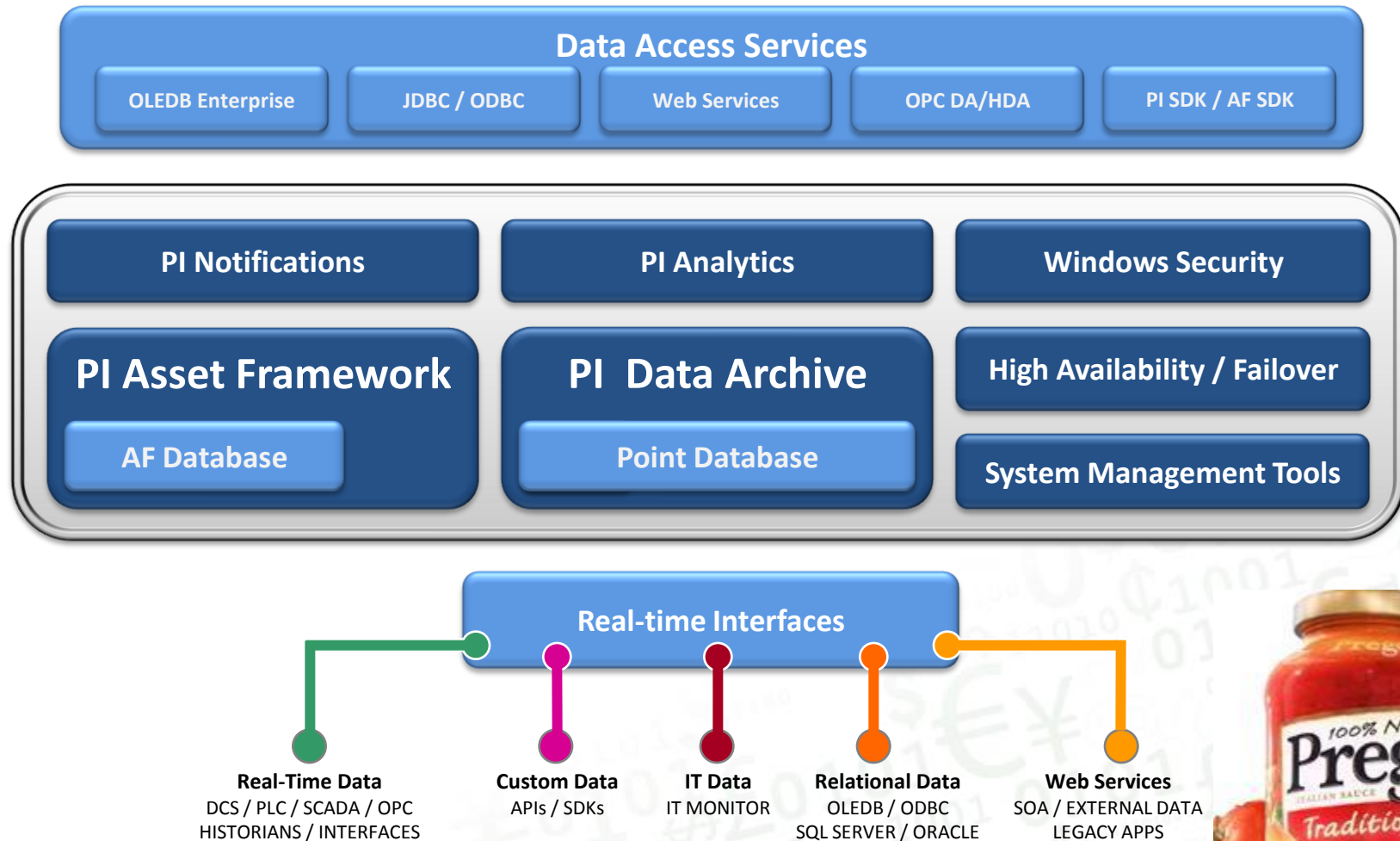
- Manage your assets in a scalable database
- Search across multiple PI Servers
- Access non time-series data
- Leverage Analytics and Notifications



PI Server Services



PI Server 2010



Create and Manage New Assets
using AF

DEMO



Library

Elements

Event Frames

Library

Unit of Measure

MyPI

Notifications

Contacts

Templates

Filter

Name

Element Templates

Event Frame Templates

Model Templates

Notification Templates

Transfer Templates

PI ProcessBook
Element Relative Display (ERD)

DEMO





NuGreen
Heat Exch...



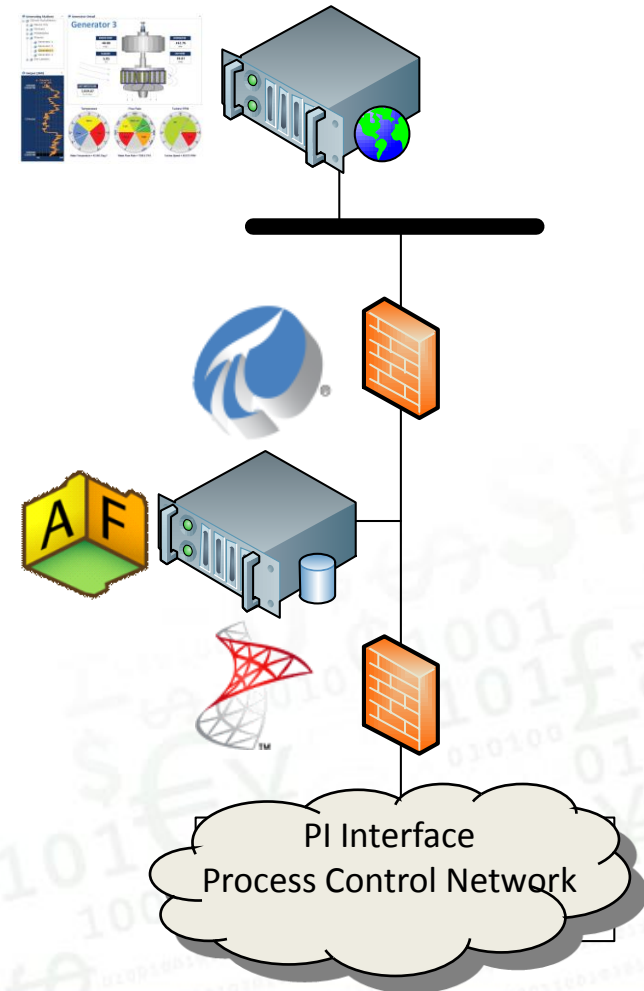
Basic Configuration

↑ Pros

- Simple
- Less hardware

↓ Cons

- Manageability
- Performance



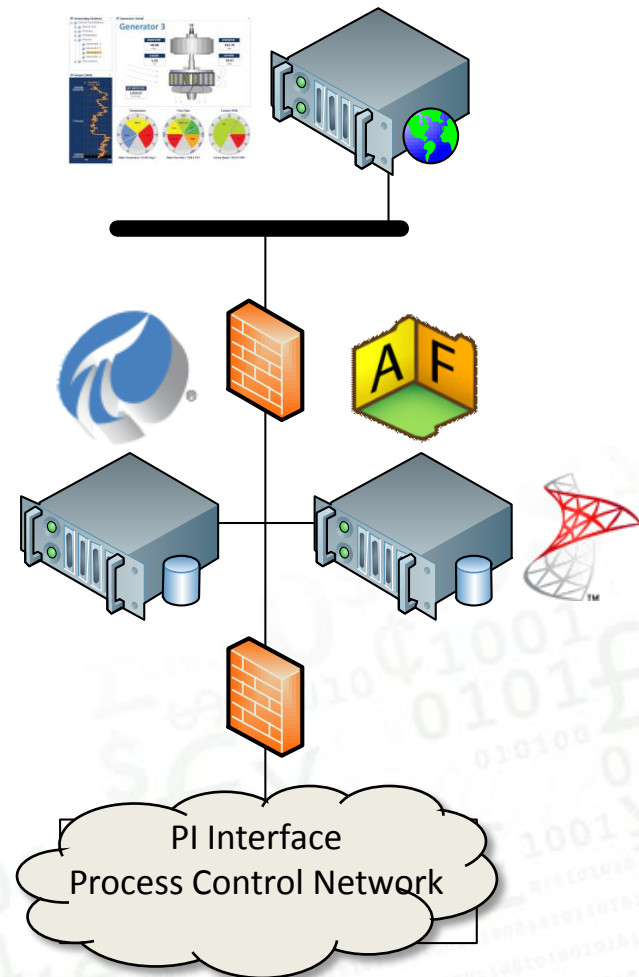
Advanced Configuration

↑ Pros

- Performance
- Least impact on existing PI Server

↓ Cons

- Additional server for upgrade



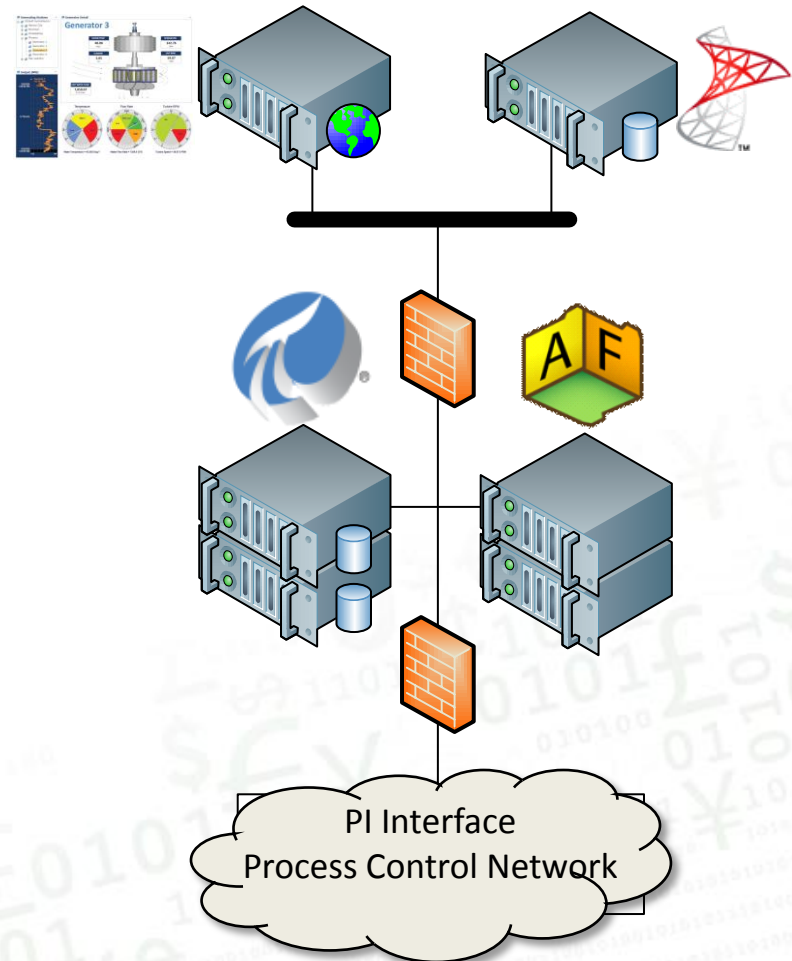
Enterprise Configuration

↑ Pros

- Performance
- Reliability, Scalability
- Security
- Leverage existing SQL Server

↓ Cons

- Integration planning



Upgrade Steps

1. Install or Access SQL Server
2. Install AF Server 2010
3. Prepare your Module Database
4. Upgrade to PI Server 2010
5. Forget MDB, Enjoy AF!





Scalability

Templates,
Models, etc.

MS SQL
Technology



Usability

Unified Data
Access

Search

Simplified
Licensing



Reliability

HA
Solutions

Windows
Security

Preserve Your Investment: Displays, Calcs, Apps

Call to Action!

1. Try PI Server 2010 RC on vCampus
2. Plan your upgrade later this quarter
3. Take advantage of new capabilities

⇒ See “Using Templates ...” AF talk
Tuesday, 6:00pm (Yosemite Room)

⇒ Come visit us at the Product Expo





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Thank you

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