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TRANSFORM
YOUR WORLD

PI Server 2016
The Modern PI System

Presented by **Janelle Minich, Product Manager**
Stephen Kwan, Product Manager

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PI Server 2015 Highlights

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Previously, on PI Data Archive 2015…

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Future Data

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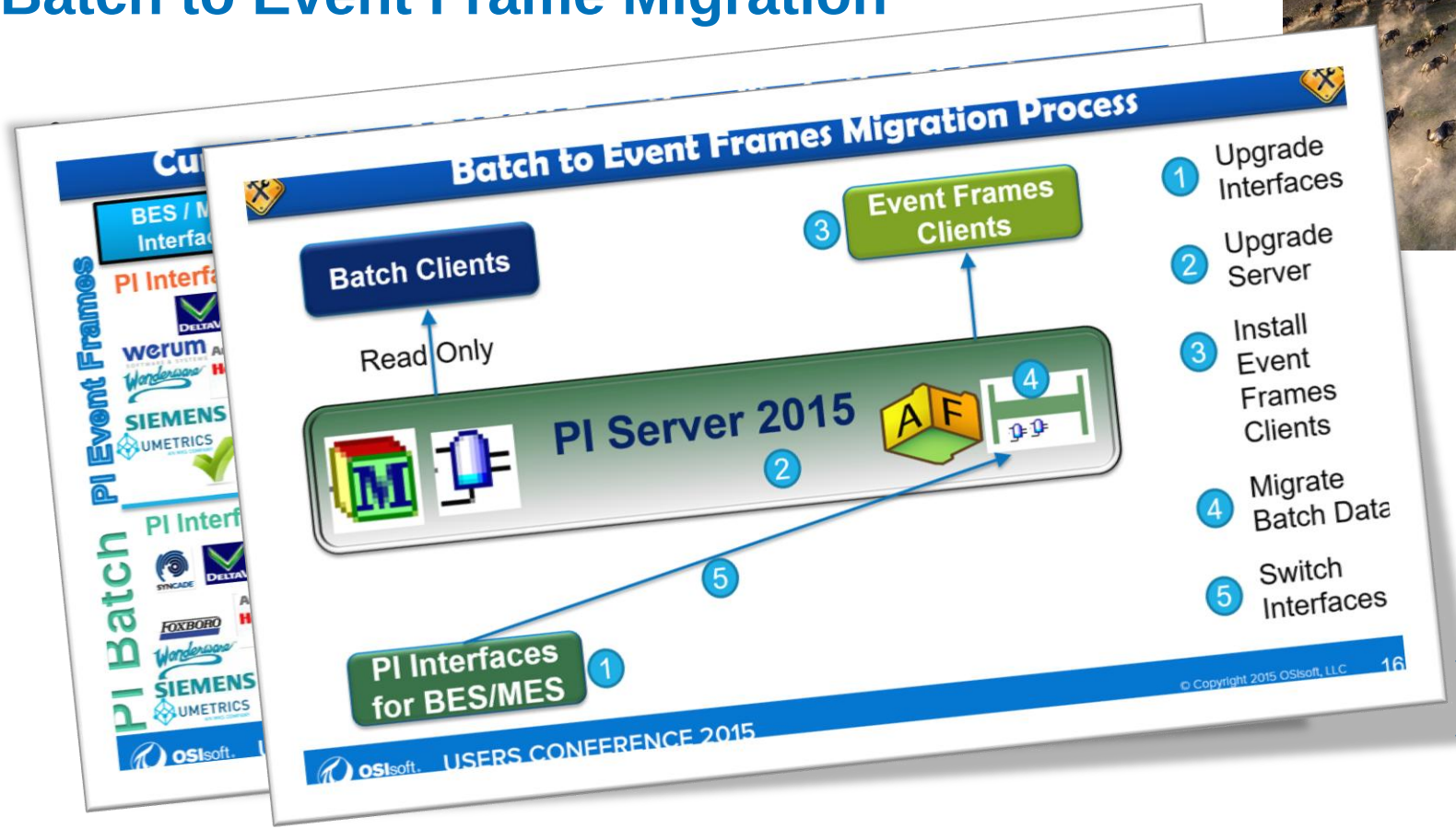
Batch to Event Frame Migration



PI Server 2015

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Future Data in PI System 2015

KEY BENEFITS

1. Staged Deployment
2. Backward Compatibility
3. Easy Configuration
4. Flexible Data Management
5. Straightforward Analytics
6. Powerful Visualization
7. Security, Scalability

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Now we present: PI Data Archive 2016

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What's new in PI Data Archive 2016?

Improved Archive Management

Detect when archive is corrupt

Enable online reprocessing of archives via PI SMT

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What's new in PI Data Archive 2016?

Improvements for other server components

Support for recalculation in Analytics (future AF release)

More efficient data retrieval by PI AF (available in 2016)

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Now we present: PI Asset Framework with Asset Analytics

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Richer Context for your Data

- Well defined traits for attributes
  - Limits
  - Forecasts
- Annotations
- Identify manual entries
- Enable better client interactions
  - PI Coresight

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More Context for your Important Events

- Event frames enhancements
  - Severity
  - Acknowledgements
  - Annotations

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Faster and Better

New search methods

- Backwards compatible

Data Access

- Asynchronous data access calls in AF SDK
- Wide Queries

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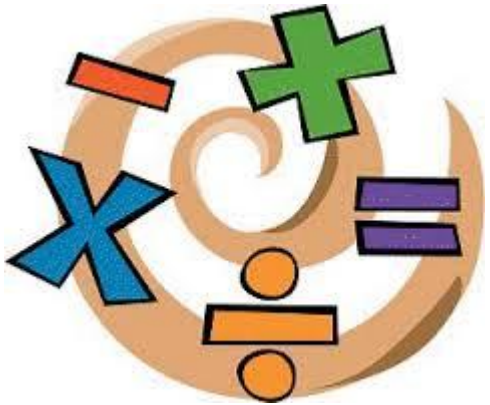
Other Improvements

- Additional functions
  - Compare with deadband
  - Rate of change
- SQC
  - Output to attribute
  - Generate event frame



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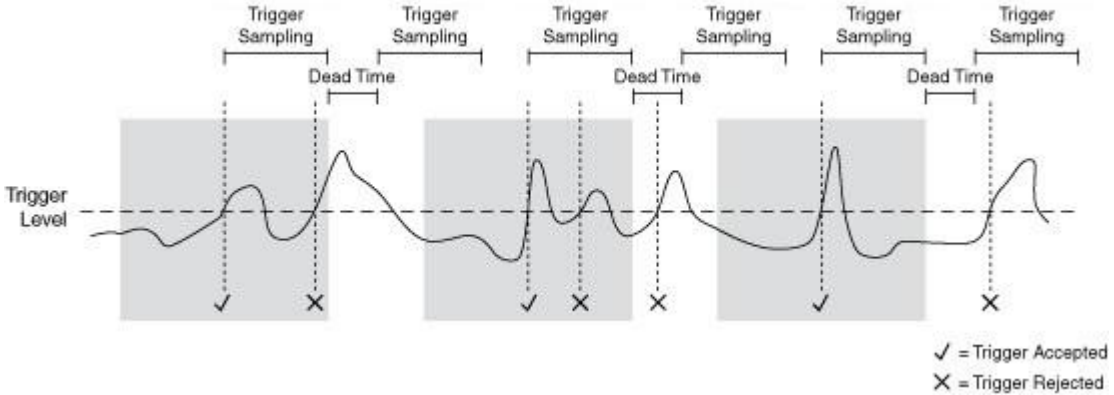
Event Frame Generation Analyses

- More flexible triggering options
  - Multiple start triggers
  - Individual time true
- Assign severity



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Coming Soon: Beyond PI Server 2016

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Beyond PI Server 2016

Manageability

PI System Health

Scalability/ Performance

Improved Client Interactions with Data

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Manageability

mangageable:

adjective man·age·able \'ma-ni-jə-bəl\

Definition:

: **easy to control or deal with**

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We hear you

"Everything seems fine, but it can be there is no data - **it's hard to tell what the problem is.**"

"Administration seems to be what sometimes slows us down, because we have to go so many places. Message logs, command line tools - all over the place. **It would be nice to have everything in a one-stop interface.**"

"**I'm not sure if I'm monitoring everything that I should**. Should I monitor backups, for example?"

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Manageability examples

- Improved Administrative experience
- Ex: Online Archive reprocessing

Administration

- Proactively let you know when the system needs attention
- Ex: You are about to run out of disk space

Health

- Tell you # of users and # of clients that are accessing your system
- Ex: Easier to manage hardware resources to allow for all of your connections

Connections

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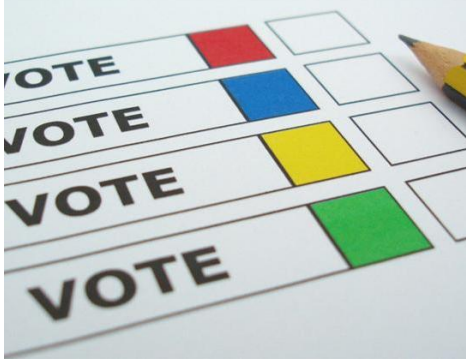
What do you think?



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  - Log in to PollEv.com/OSIsoftUC
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  - Then respond with your answer in the following polls

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PI System Manageability

- In early planning stages now
- We hear from you that managing a PI Server is hard to do
- Our goal is to continue to improve your experience with PI Server Administration

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PI System Administration

- How much time do you spend administering your PI System today?

Managing Archives	Building Assets	Configuring Security
Troubleshooting	Etc…	

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PI System Administration

- Do you do any of the following:
  - Manage multiple servers/data collection nodes
  - Have a distributed system (ex: PI AF is installed on a different server than PI Data Archive)
  - Manage multiple physical locations

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PI System Administration

- Dashboard for PI Server Management
  - In early planning stages
  - More intuitive, easy to use
  - Plan to enable PI Server Management from one unified tool.

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PI System Health

- We know it's hard to tell if your PI System is healthy
- We want to make this easier for you
- We are considering making this information available in a single pane of glass – alongside other PI System Management functions like Administration and Configuration

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Assets

- Improve installation experience
- Improve management
- Web based configuration tool
- More traits
- Performance and scalability improvements
- Backend support for next generation PI Notifications

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Managing your Analyses

- Analysis service diagnostics and debugging
- Manual recalculation
- Scalability
- Research support for failover

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Next Generation PI Notifications

- Rewrite of PI Notifications
  - Migration tool
- Based on event frames
  - Container for event information
- Improved scalability and performance
- Improved integration with the PI System
  - First class citizen in PI Coresight
- Beta available soon

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Looking for Feedback

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Contact Information

Stephen Kwan
skwan@osisoft.com
Product Manager
OSIsoft, LLC.

Janelle Minich
janelle@osisoft.com
Product Manager
OSIsoft, LLC.

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Questions

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State your **name & company**

Please remember to…

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감사합니다

谢谢

Danke

Gracias

Merci

Thank You

ありがとう

Спасибо

Obrigado

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