PI System Roadmap

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Extending your infrastructure from edge to cloud

PDC/Edge

OSIsoft
Cloud Services

Industrial IoT	Assets	Plant	Enterprise	Community
Millions of **Smart Devices**	Multiple **Sensors**	Multiple **Assets**	Multiple **Plants**	Multiple **Enterprises**

PI System

Development Program: Pervasive Data Collection

Ensuring that no matter where your time-series, operational data resides, there are OSIsoft technologies available to collect and store this data

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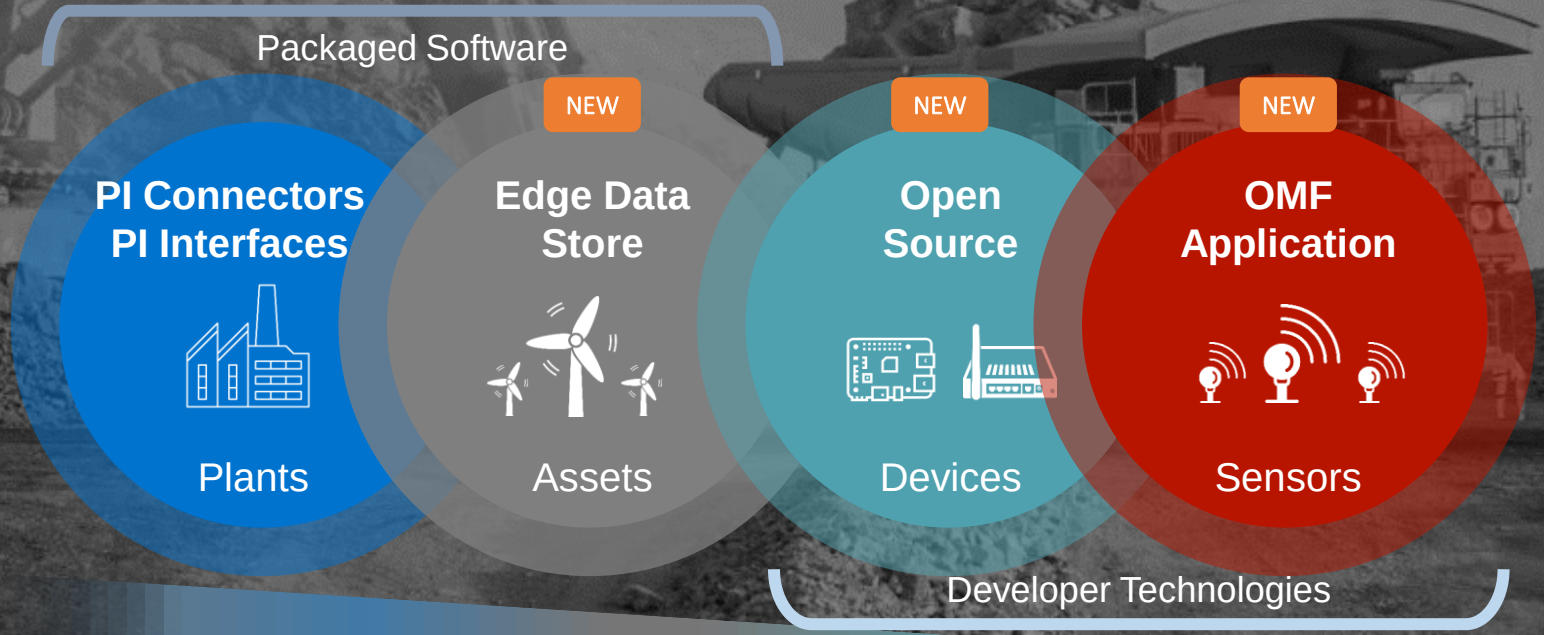
OSIsoft's Data Collection Technologies



10,000's	← Data Streams →	10's
High	← Compute Resources →	Low

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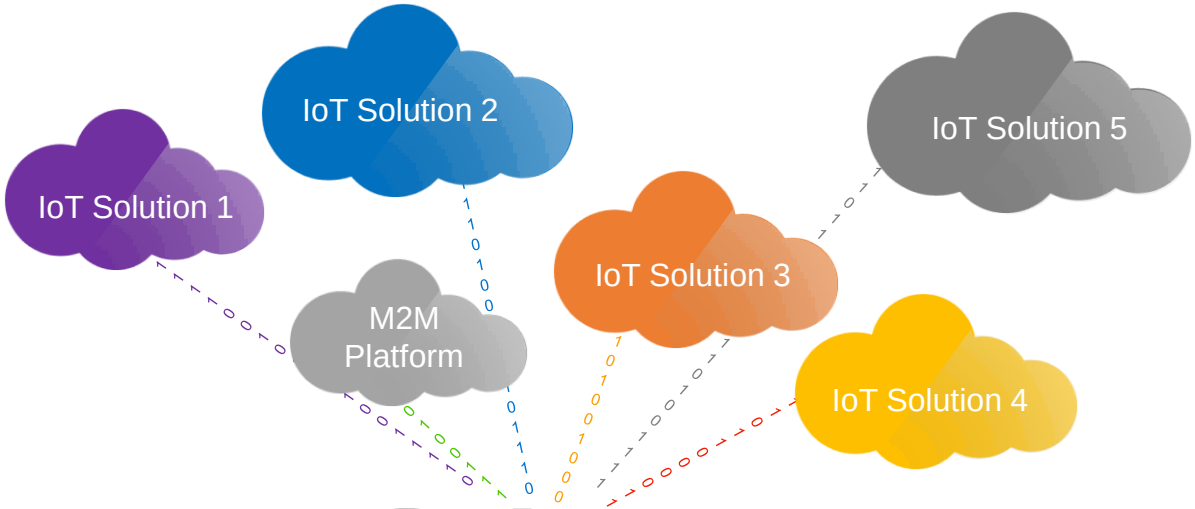

OSIsoft®

Enterprise Operations Infrastructure

Assets

Automation Systems

Edge Devices / Sensors

IoT solutions

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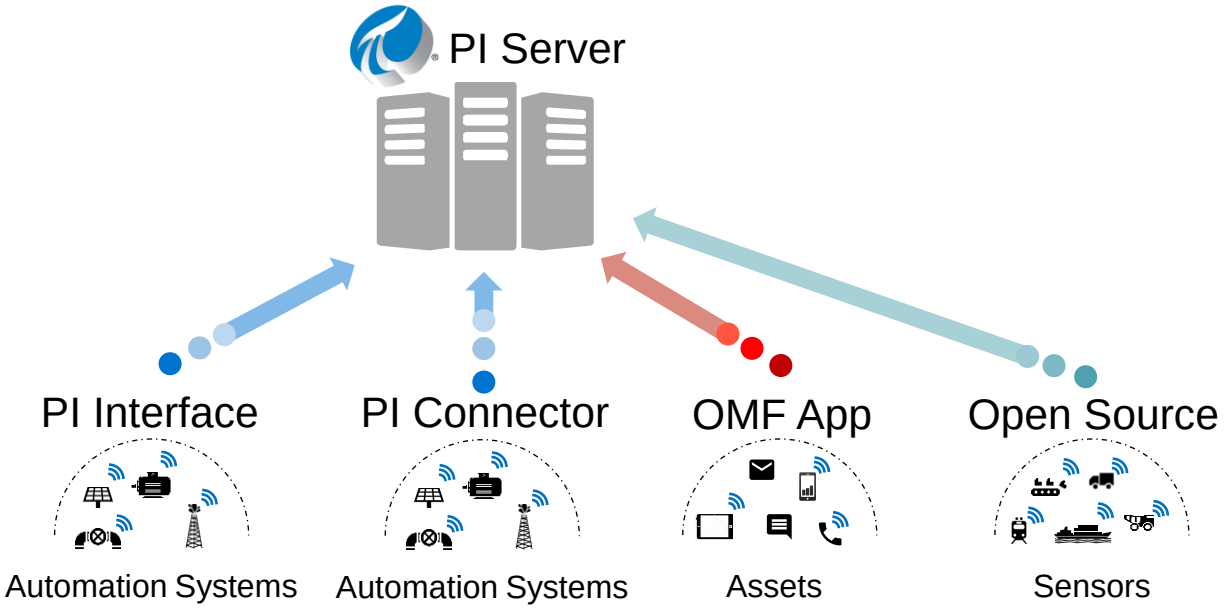
Collecting data today



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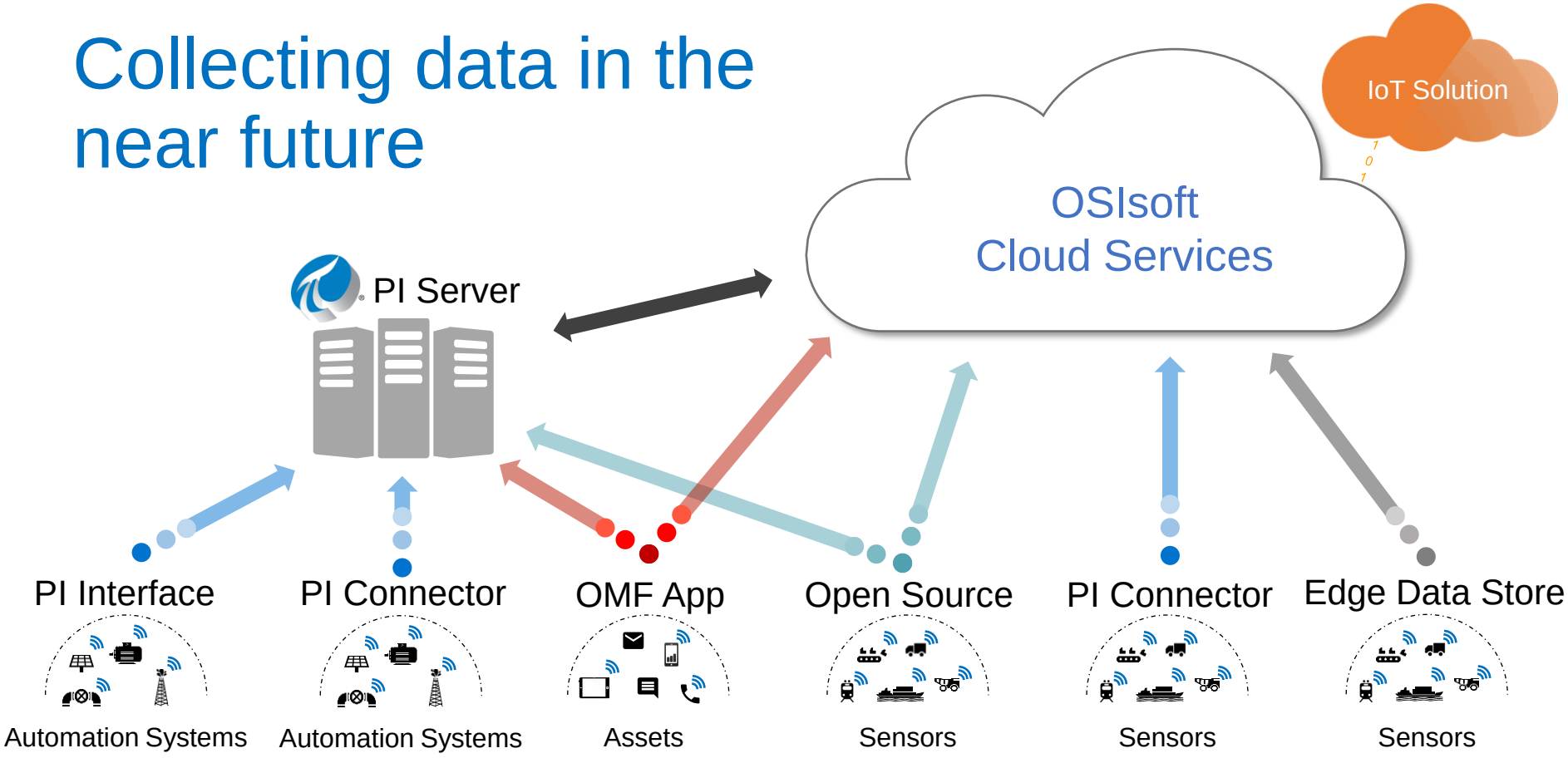
Collecting data in the near future



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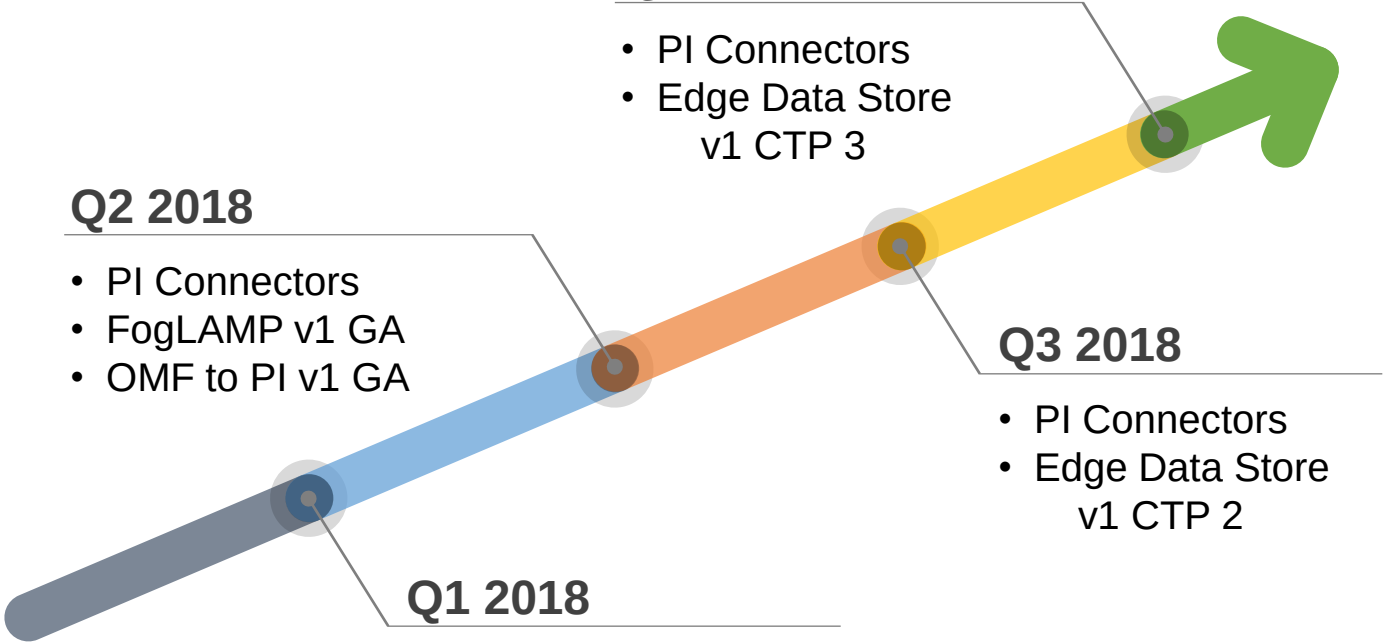
Pervasive Data Collection Timeline



GA: General Availability
CTP: Customer Technology Preview

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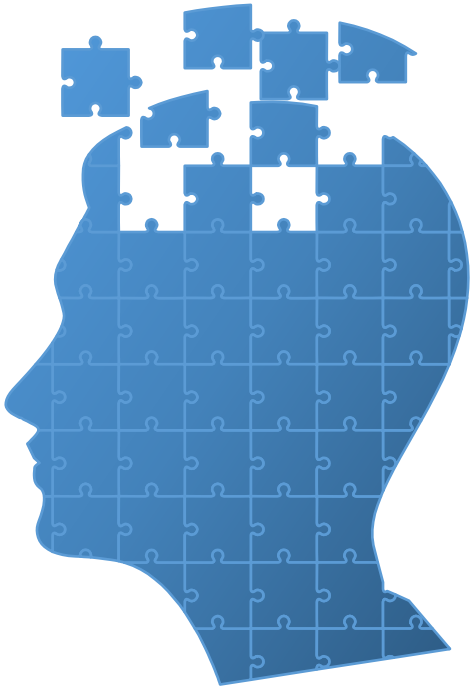
Could products in PDC help you with remote monitoring?



Product Track

- Pervasive Data Collection - Connectivity from A to Z @ 2:30p on Thursday

Emerging Technologies

- IIoT and the PI System @ 4:00p on Wednesday

Product / Partner Expo

- Data Collection (Connectors & Interfaces)
- Emerging Technologies (Edge Technologies for Device Enablement)

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PI System 2018 and Beyond

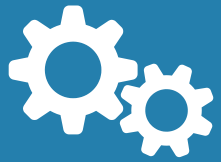
Expand

Increase the **volume** & **velocity** of operations data

Extend

Grow **collection & integration** capabilities

Ease



Bring more **manageability & control** to deployments

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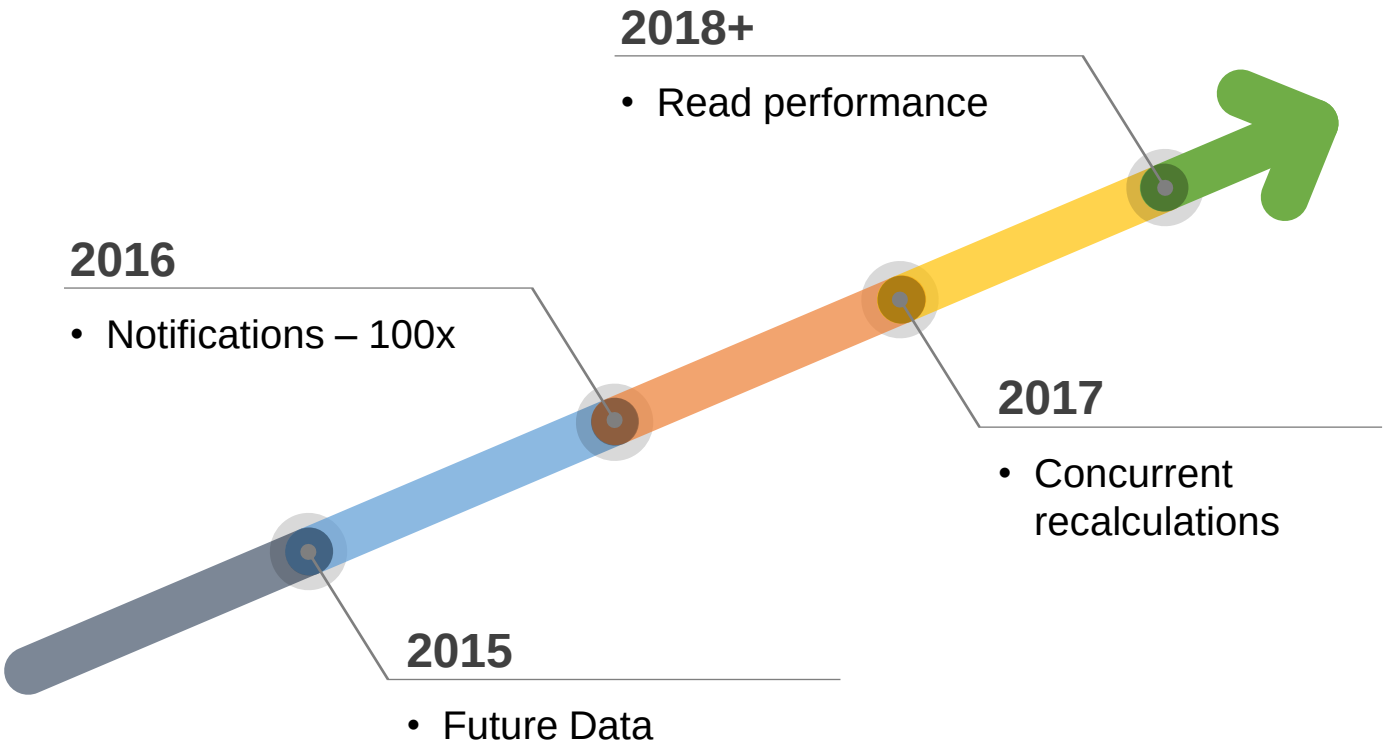
Expand the PI System: Performance and Scalability

Expand

Increase the **volume** & **velocity** of operations data



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Extend the PI System: Collection and Integration

Extend

Grow collection & integration capabilities

Devices

Enable smaller devices using open-source technology

Data Collection

Increase portfolio of PI Connectors

Asset Analytics

Enable advanced site analytics

Developer Technologies

Enable 3rd party applications writing data to PI Systems via OMF

Integration

Enable business intelligence and data science

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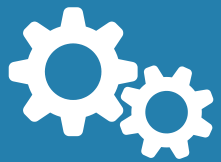
PI System Ease of Use: Manageability and Control

Ease



Bring more **manageability & control** to deployments

Control when to adopt new features or only bug fixes

Deploy patches vs full upgrades

Confidently roll-out a set of cross-tested software

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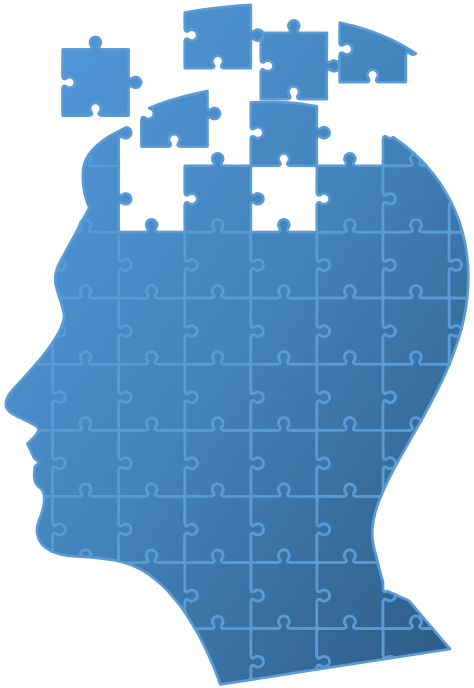
How can Asset Framework help you with data management?



Product Track

- PI System 2018 @ 11:30a on Thursday

Product / Partner Expo

- Data Management (PI Data Archive & Asset Framework)
- Calculation and Events (Asset Analytics, Notifications, and Event Frames)

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PI Vision 2019

PI ProcessBook Migration Tool

New Ad-hoc Experience

Streamlined security for XY plot and Events Table

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PI ProcessBook Migration Tool

As we move forward through digital transformation, no customer is left behind

PI ProcessBook Migration Tool will help bring users into the future of visualization

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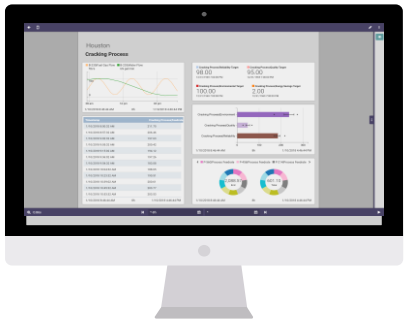
Ad-hoc Trending

No matter how you find your data, dive right into a real-time investigation



From a Display

Search and Browse

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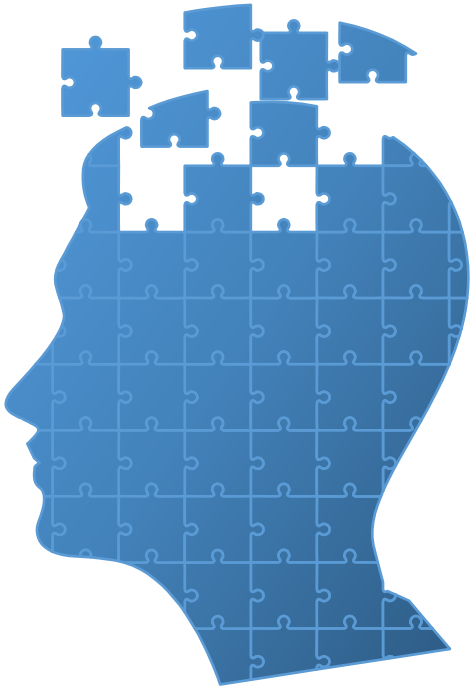
How do visual analytics quicken with context?



Product Track

- PI Vision: Enabling Real-Time Monitoring and Analysis for the Enterprise @ 12:20p on Thursday

Product / Partner Expo

- Visualization (PI Vision)

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PI Integrators speed the process that brings trustworthy data to many unique analytics tools

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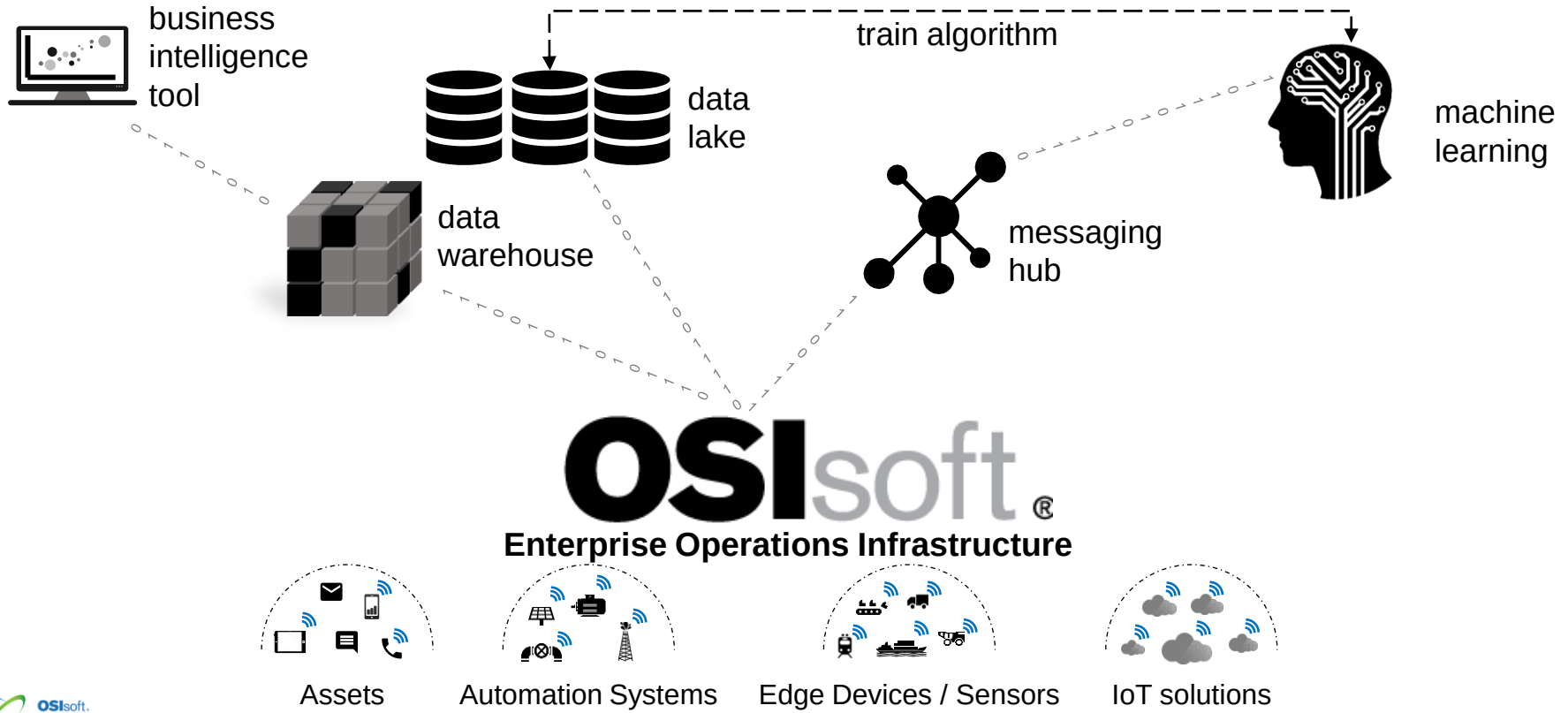
PI System integrates to advanced analytics platforms



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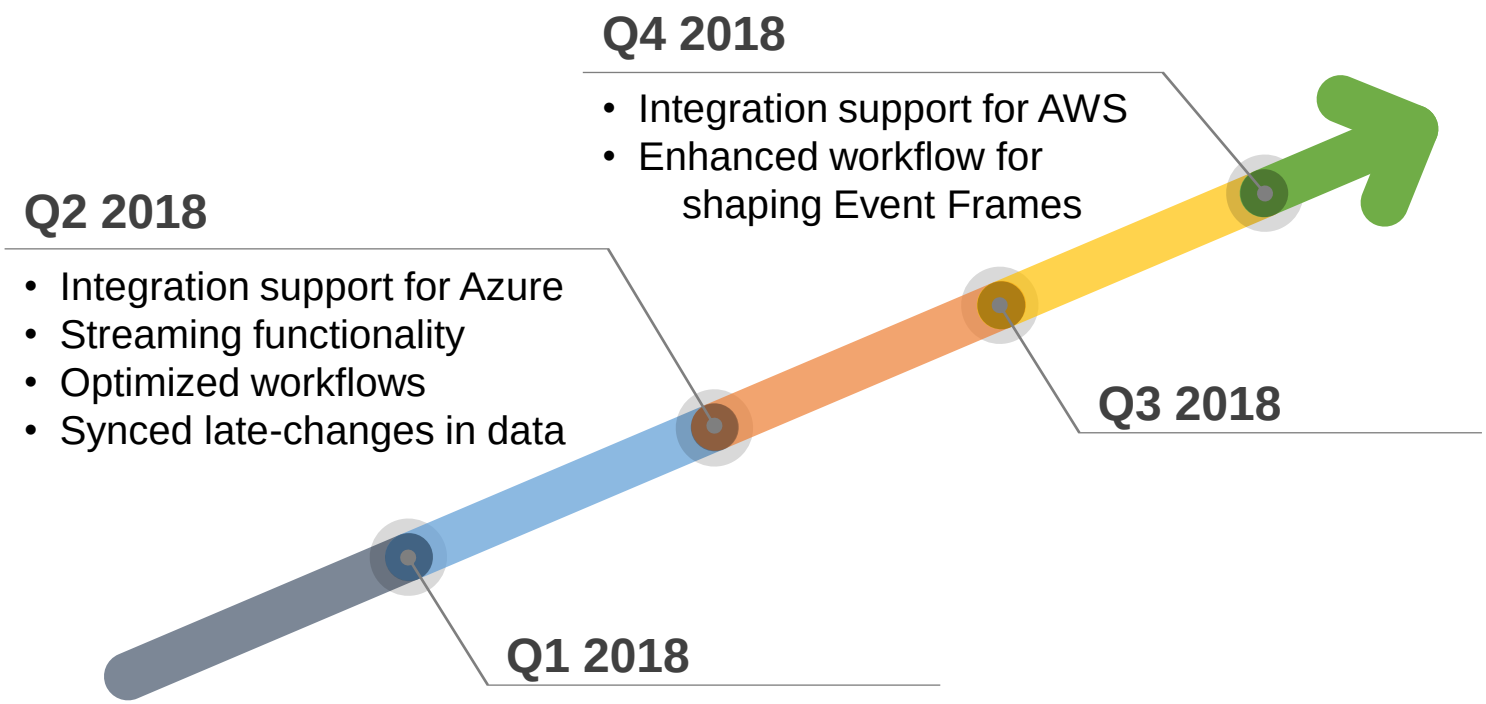
PI Integrators for Business Analytics Timeline



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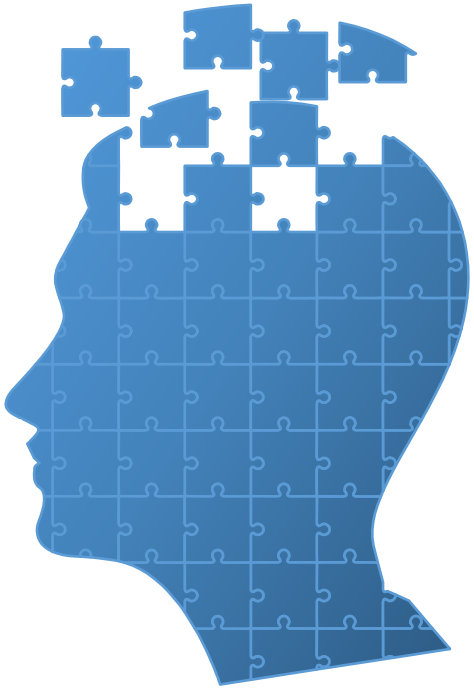
What does shaping time-series data look like?



Product Track

- Actionable Insights with PI Integrators @ 3:30p on Thursday

Product / Partner Expo

- Data Integration (PI Integrator for Business Analytics)

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Development Program: Cloud Services

To develop an operational data ecosystem

that connects customers with best-in-class analytics

and their community of vendors & partners

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OSIsoft Cloud Services (OCS) Scenarios

Data Science Enablement

Remote Operations Monitoring

Microsoft Azure

OSIsoft Cloud Services

Partner Apps

Connected Community

Enterprise Data

Edge Devices Sensors

Assets

Automation Systems

Edge Data

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OSIsoft Cloud Services Design

PI Server

≠

Microsoft Azure

OSIsoft
Cloud Services

cloud.osisoft.com

OSIsoft Cloud Services is a newly developed, multi-tenant PaaS & SaaS platform, built for operational data.

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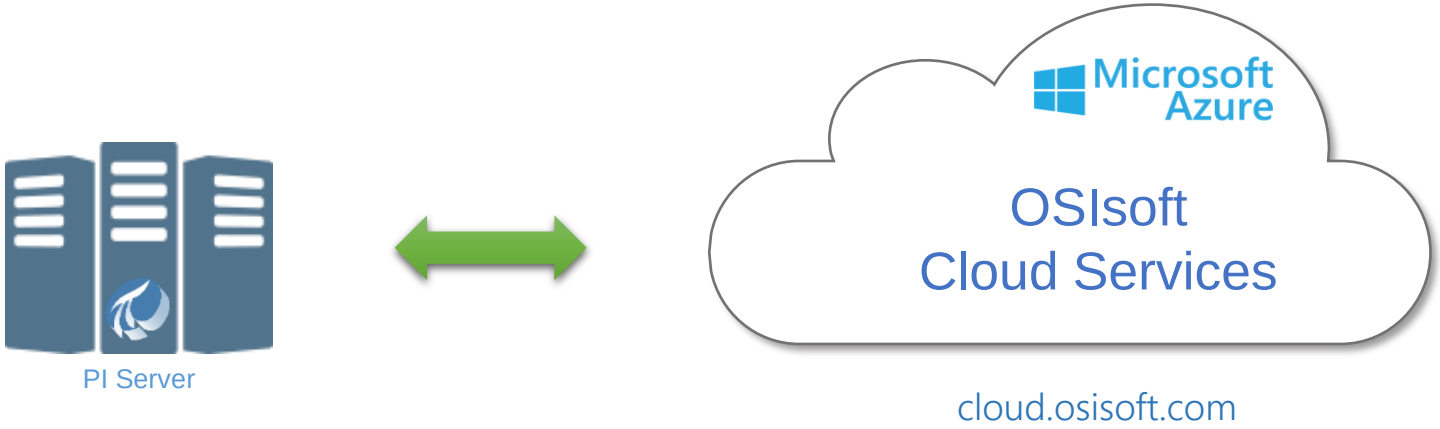
OSIsoft Cloud Services are complementary



Operational data will be sent between PI Systems and OSIsoft Cloud Services…

… and between Edge systems and OSIsoft Cloud Services.

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OSIsoft Cloud Services Features

- Managed, secure, data platform
  - Multi-tenant
  - PaaS & SaaS
- Operated & maintained by OSIsoft
- Built and deployed on Microsoft Azure
- High speed, scalable, elastic data ingress
- Flexible, resilient, data storage
- Modern, secure REST APIs

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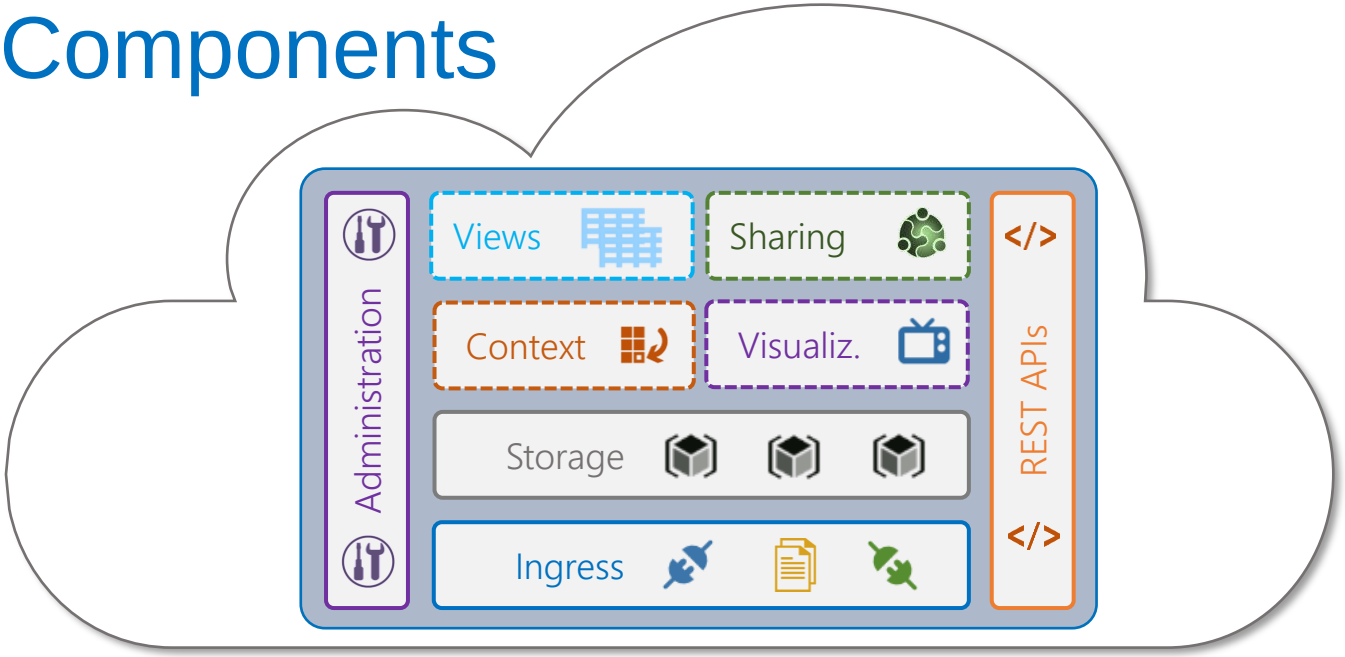
OCS Components



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Where are we now? OCS Partner Preview

- Kick-off mid-November 2017
  - Gradual onboarding
- Goal
  - Jump start Partner Apps on OCS
  - Get feedback on platform
- Onboarding more partners and advanced customers now

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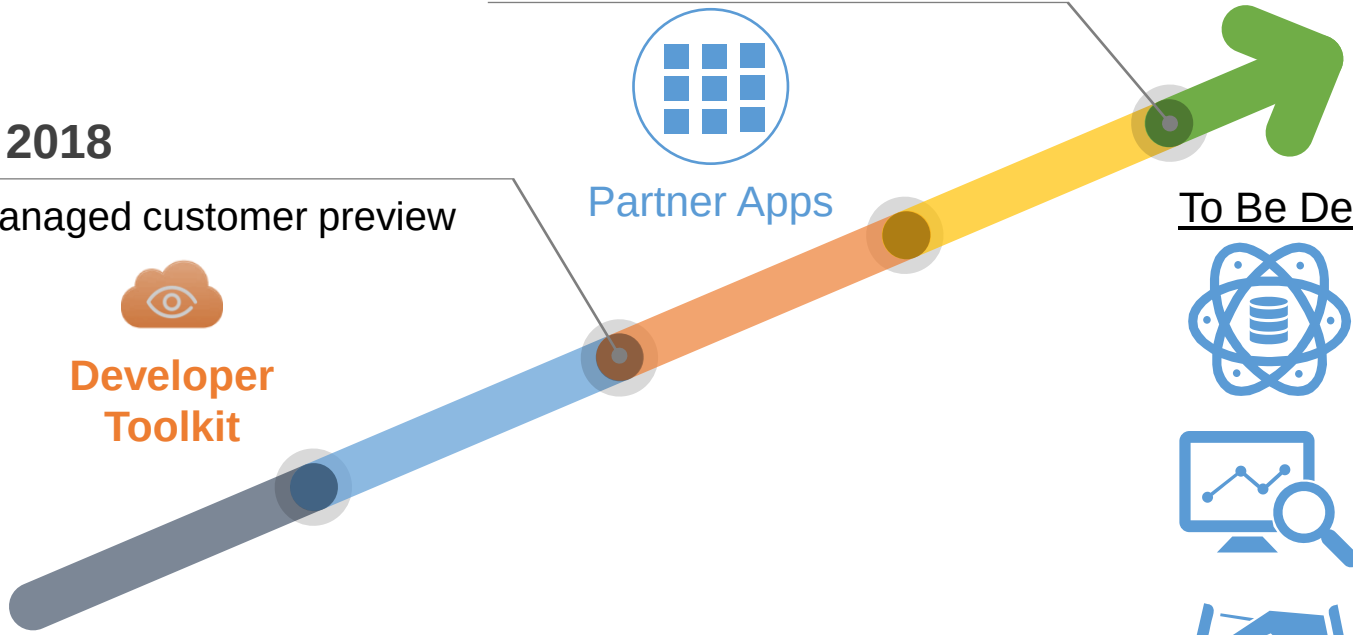
OSIsoft Cloud Services Timeline



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Have you thought about storing and sharing operational data in the Cloud?

Product Track

- OSIsoft Cloud Services @ 10:40 am on Thursday

Product / Partner Expo

- Emerging Technology Theater presentations
  - Tuesday 15:00 and 16:00,
  - Wednesday 14:00 and 15:00
- Emerging Technology Booths
- Partner booths
  - Toumetis, Trendminer, Seeq

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Contact us for more information…

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Questions?

Please wait for the **microphone**

State your **name & company**

Please rate this session in the mobile app!

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