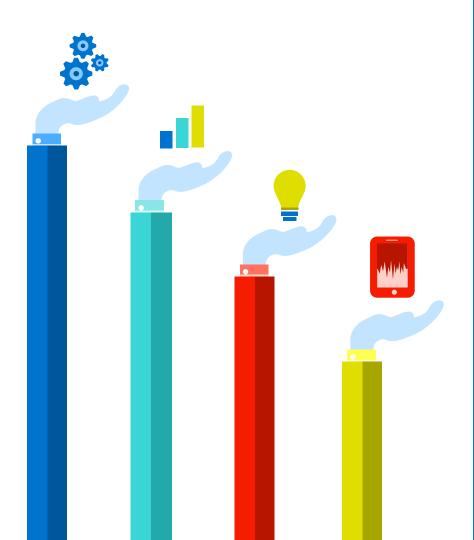
PI System Management Made Easy: From a Single Site to Your Entire Enterprise

Presented by Janelle Minich, Product Manager Rhonda Clendenon, Group Lead James Wong, Developer Lead



AGENDA

- Why?
- What is it?
- Demo
- Roadmap
- Future
- How you can get involved

What are customers telling us?





MULTITASKING

Managing the PI System isn't my only job.

I manage a large enterprise PI System with millions of data streams and thousands of users.

I'm busy just keeping the lights on, and struggle with being proactive.



HELP!

I don't know if I have a problem, unless my user calls to complain

I don't know where the problem is

I don't understand the error messages

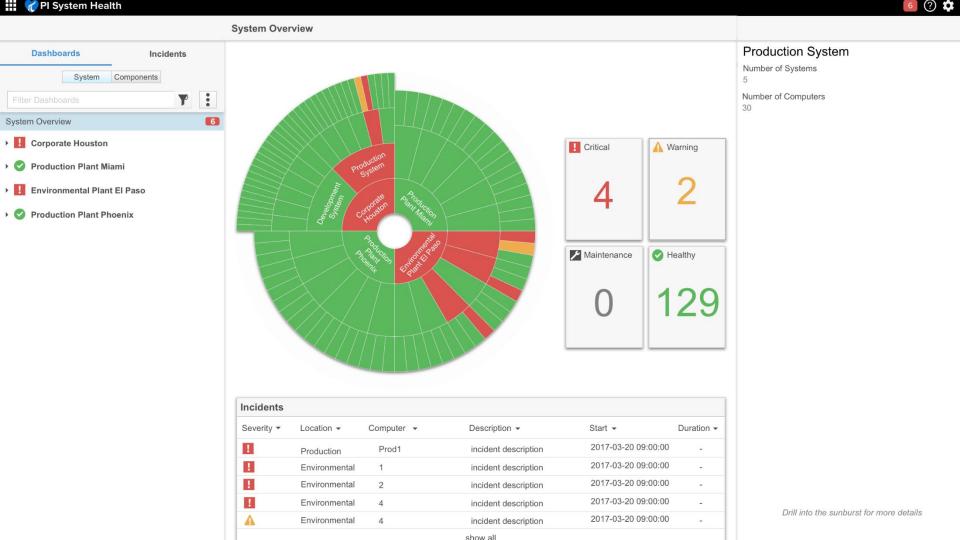
I don't know how to solve the problem

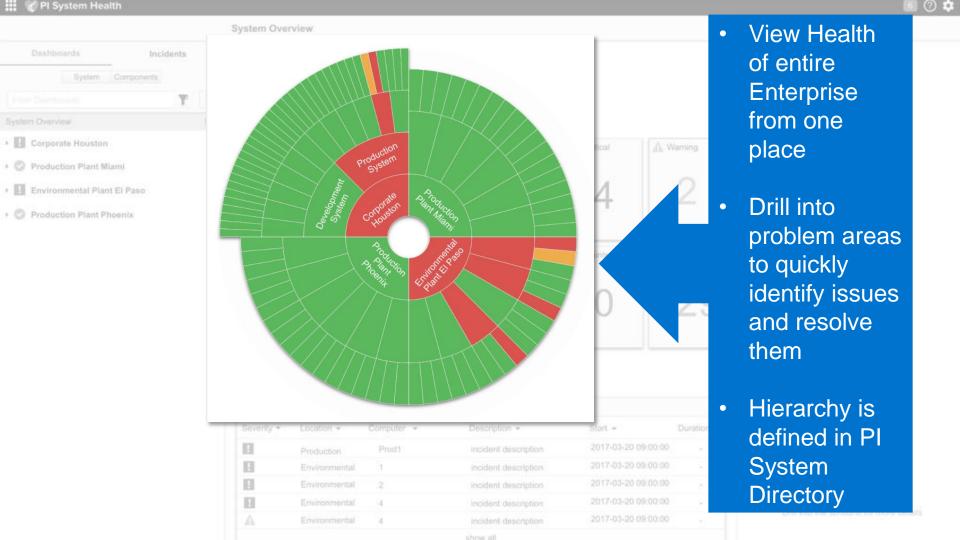




PI SYSTEM HEALTH

- Enterprise view of your PI System Health
- Monitors the health of your Data Flow
- Incident reporting
- Offers guidance for troubleshooting
- Automatic generation of displays, notification and analyses
- Subscribe to incident notifications







Description +

Maintenance

Healthy

129

· Production Plant Phoenix

components

These counts

update as you

change your view



Corporate Houston . O Production Plant Miami

Environmental Plant El Paso · Production Plant Phoenix

View list of recent/active incidents

- View context about the incident
- Drill into incident directly for more details

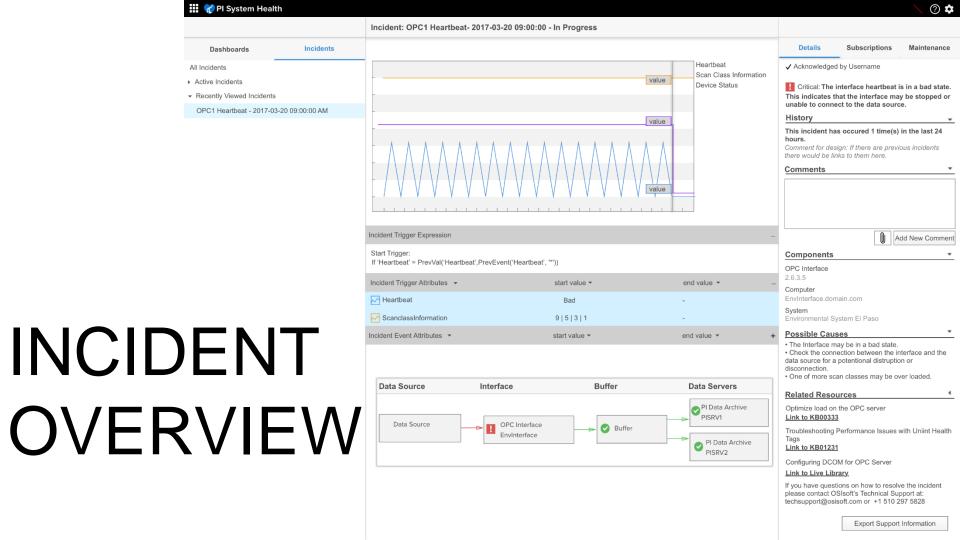
Maintenance

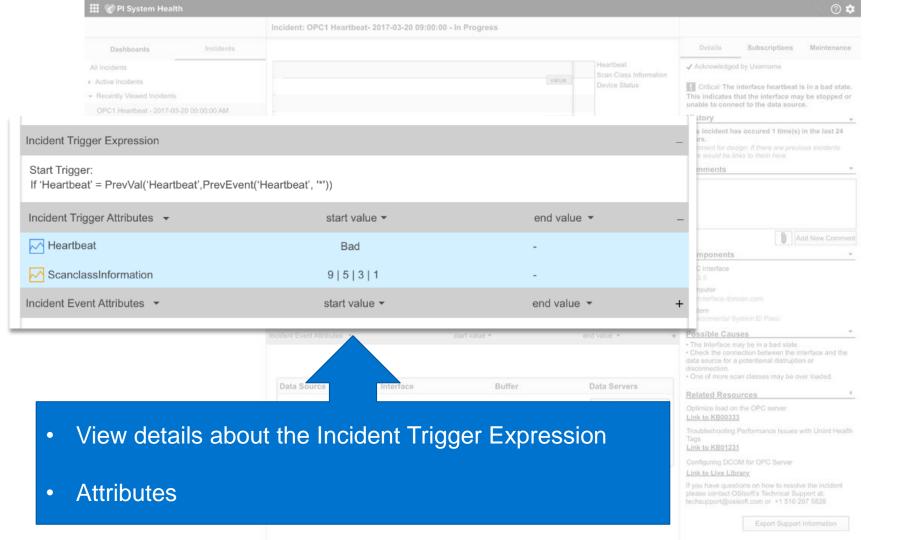
(2) Healthy

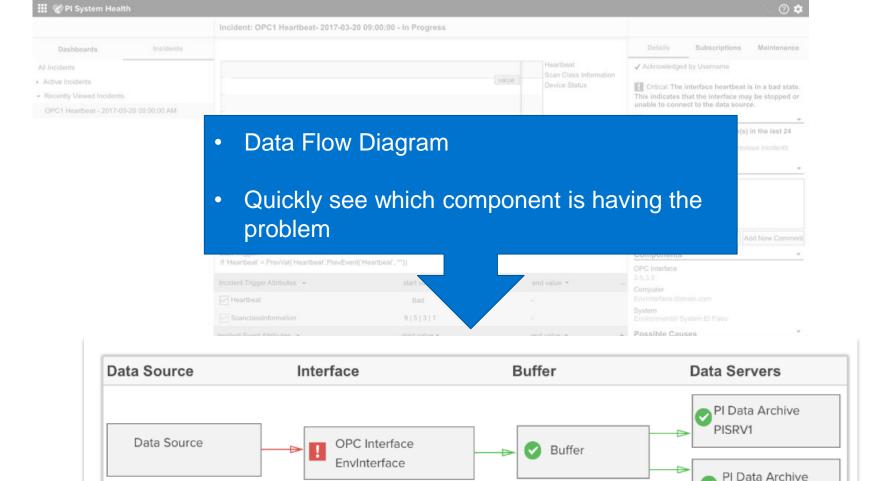




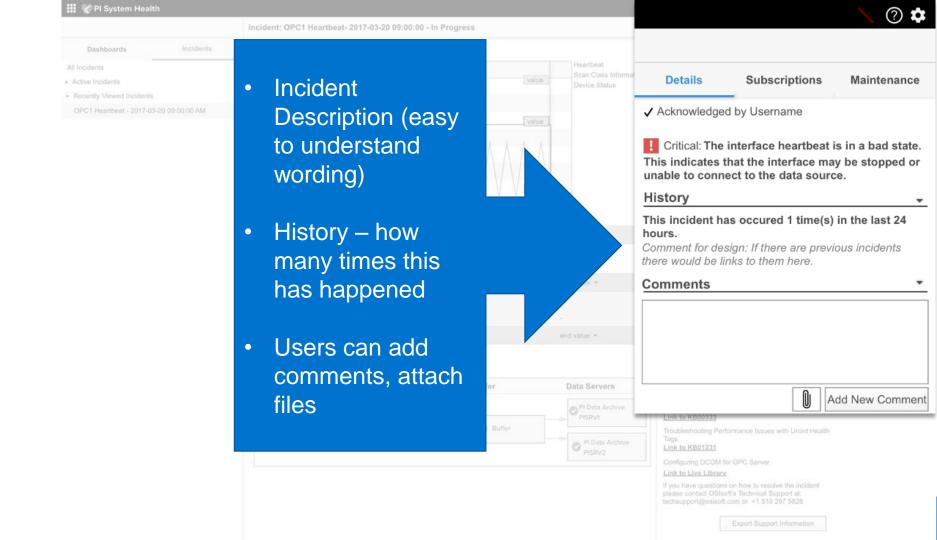
ion System

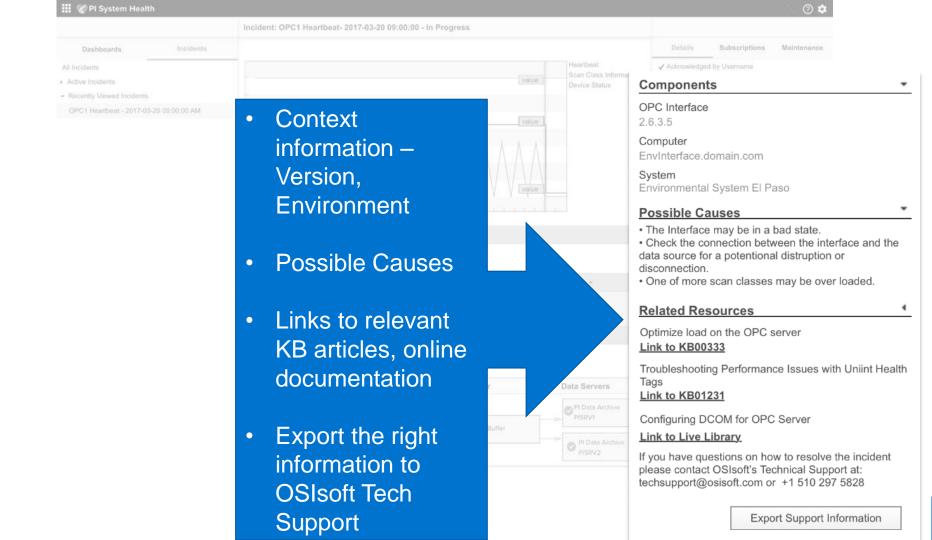






PISRV2



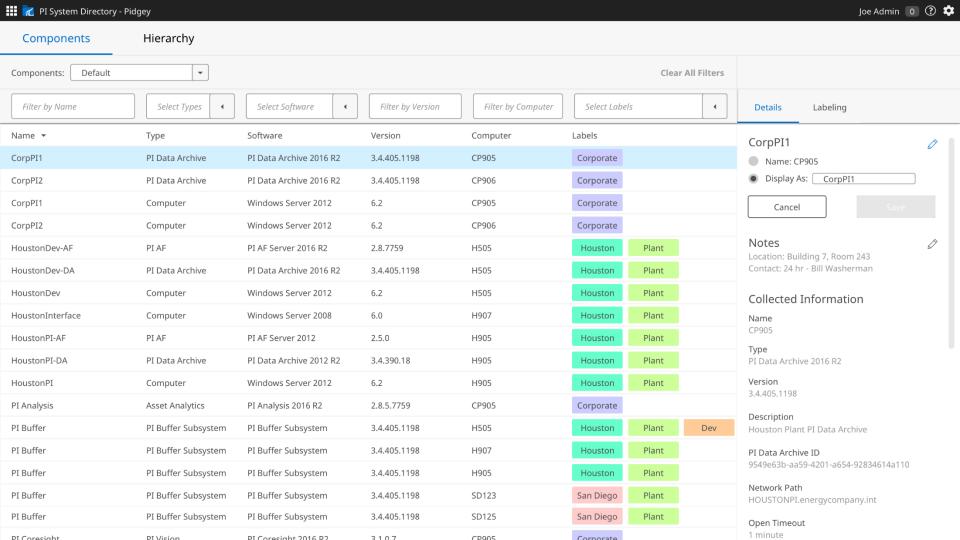






PI SYSTEM DIRECTORY

- Inventory management
- Upgrade planning
- Informs PI System Health what to monitor



PI System Directory - Pidgey

Hierarchy

Name ▼ Type Software Version Computer CorpPI1 PI Data Archive PI Data Archive 2016 R2 3.4.405.1198 CP905 PI Data Archive 2016 R2 CP906 CorpPI2 PI Data Archive 3.4.405.1198 CorpPI1 Computer Windows Server 2012 6.2 CP905 CorpPI2 Computer Windows Server 2012 6.2 CP906 HoustonDev-AF PI AF PI AF Server 2016 R2 2.8.7759 H505 3.4.405.1198 H505 HoustonDev-DA PI Data Archive PI Data Archive 2016 R2 Computer Windows Server 2012 6.2 H505 HoustonDev H907 HoustonInterface Computer Windows Server 2008 6.0 PI AF PI AF Server 2012 H905 HoustonPI-AF 2.5.0 3.4.390.18 H905 HoustonPI-DA PI Data Archive PI Data Archive 2012 R2 6.2 H905 HoustonPI Computer Windows Server 2012 Asset Analytics PI Analysis 2016 R2 2.8.5.7759 CP905 PI Analysis PI Buffer Subsystem PI Buffer Subsystem PI Buffer 3.4.405.1198 H505 PI Buffer PI Buffer Subsystem PI Buffer Subsystem 3.4.405.1198 H907 PI Buffer PI Buffer Subsystem PI Buffer Subsystem 3.4.405.1198 H905 PI Buffer Subsystem PI Buffer PI Buffer Subsystem 3.4.405.1198 SD123 PI Buffer PI Buffer Subsystem PI Buffer Subsystem 3.4.405.1198 SD125

Automatically detect the PI Software running in your Enterprise

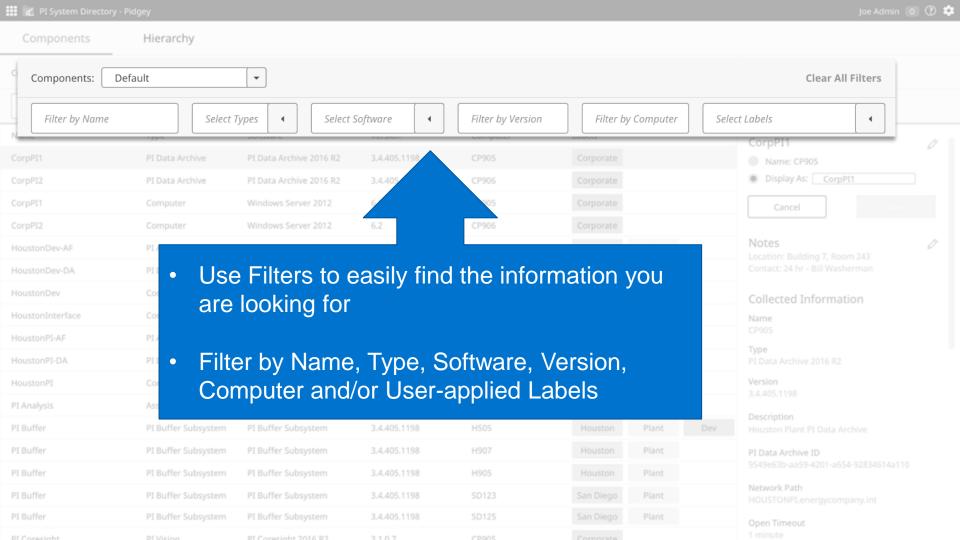
Build an inventory so you can better manage your PI **System**

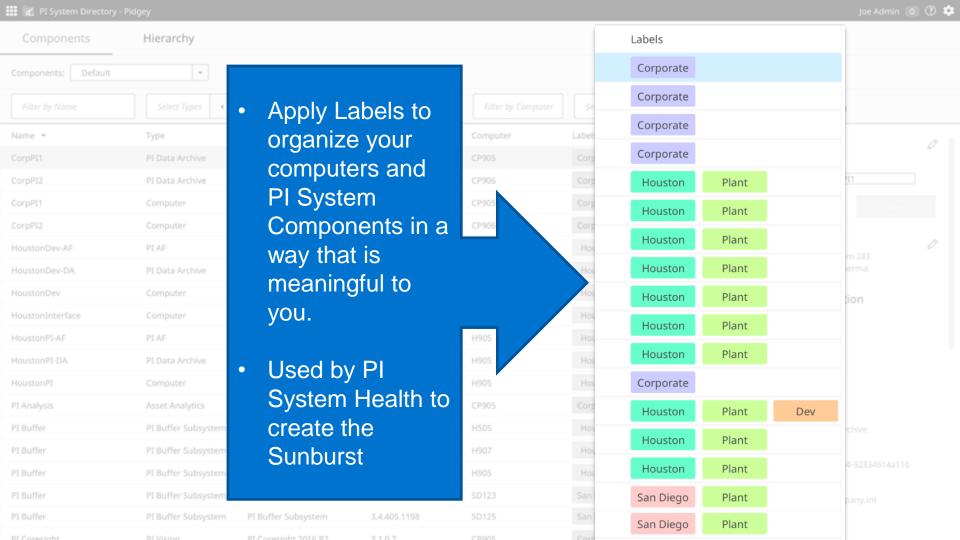
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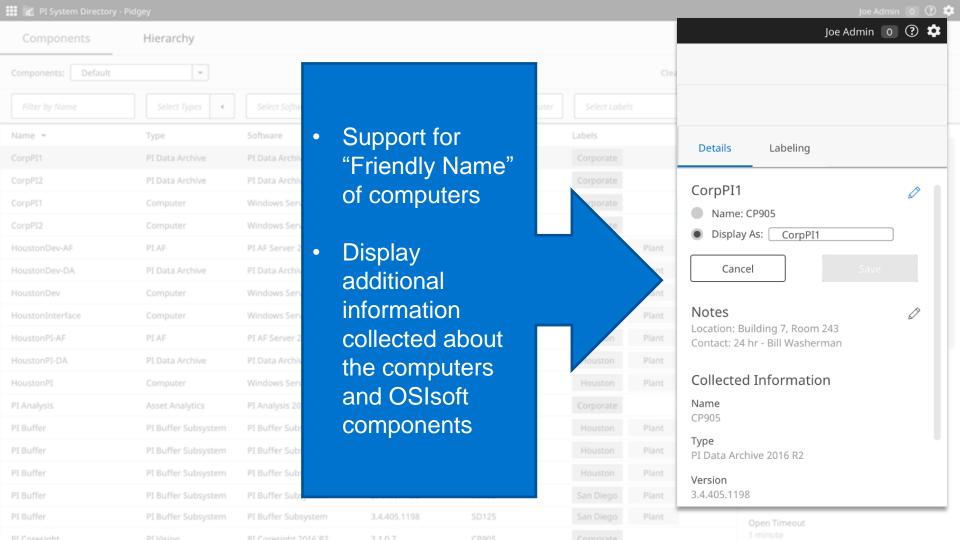
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2107









OSI\jwong

Name (h)	Item	Software	Version	Computer	Labels
THEROOFISONFIRE					
THEROOFISONFIRE	Computer	Microsoft Windows Server 2008 R2 Enterprise Service Pack 1	6,1,7601.65536	THEROOFISONFIRE	,
TheRoofIsOnFire	PI Data Archive	PI Data Archive 2016 R2	3.4.405.1198	THEROOFISONFIRE	
PIPerfMon	Interface	PI Interface for Performance Monitor (PIPerfMon)	2.1.0.88	THEROOFISONFIRE	
PIPing	Interface	PI Ping (PIPing) Interface	2,0.0.20	THEROOFISONFIRE	
PISNMP	Interface	PI SNMP (PISNMP) Interface	1,5.1.306	THEROOFISONFIRE	
TCPResponse	Interface	PI TCPResponse (TCPResponse) Interface	1.1.6.0	THEROOFISONFIRE	
PI Connector for PI System Health	Connector	PI Connector for PI System Health	1.0.1.13	THEROOFISONFIRE	
PI Buffer Subsystem	PI Buffer Subsystem	PI Buffer Subsystem	4.7.0.25	THEROOFISONFIRE	
PI Directory Publisher	PI System Directory - Publisher	PI System Directory Publisher 2017 R2	1.0.0.885	THEROOFISONFIRE	
AFNCNS					
AFNCNS	Computer	Microsoft Windows Server 2008 R2 Enterprise Service Pack 1	6.1.7601.65536	AFNCNS	
AFNCNS	PI AF	PI AF Server 2017 R2	2.9.5.8249	AFNCNS	
AFNCNS	PI Data Archive	PI Data Archive 2016	3.4.400.1162	AFNCNS	
PIPerfMon	Interface	PI Interface for Performance Monitor (PIPerfMon)	2.1.0.88	AFNCNS	
PIPing	Interface	PI Ping (PIPing) Interface	2.0.0.20	AFNCNS	

PISNMP Interface PI SNMP (PISNMP) Interface 1.5.1.306 **AFNCNS** TCPResponse Interface PI TCPResponse (TCPResponse) Interface 1.1.6.0 **AFNCNS** PI Buffer Subsystem PI Buffer Subsystem PI Buffer Subsystem 4.7.0.26 **AFNCNS** PI Directory Publisher PI System Directory - Publisher PI System Directory Publisher 2017 R2 1.0.0.917 **AFNCNS**

6.2.9200.0

2.9.5.8227

4.7.0.26

1.0.0.810

JCUPGRADE85

JCUPGRADE85

JCUPGRADE85

JCUPGRADE85

Microsoft Windows Server 2012 R2 Standard

PI System Directory Publisher 2017 R2

PI AF Server 2017 R2

PI Buffer Subsystem

JCUPGRADE85 JCUPGRADE85

JCUPGRADE85

ICUPGRADES

PI Buffer Subsystem

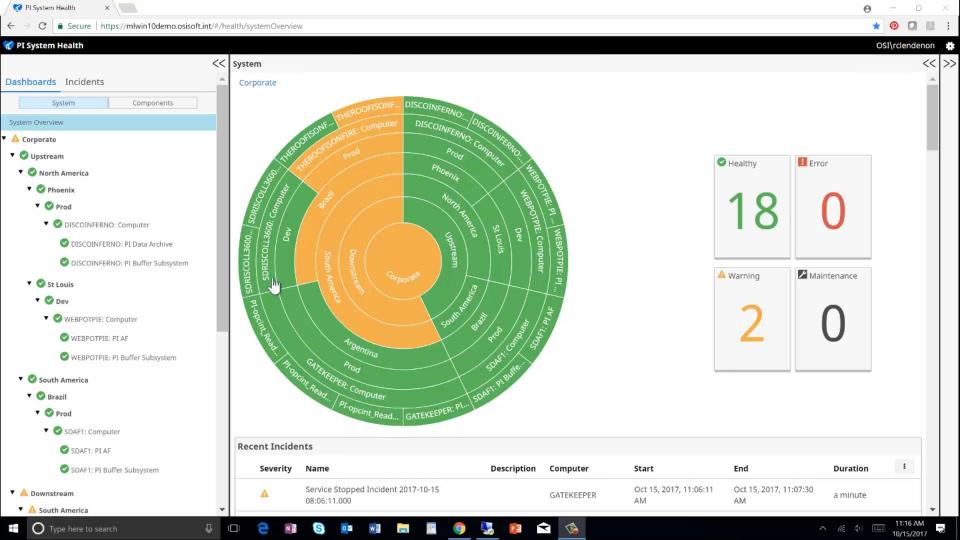
PI Directory Publisher

Computer

PI Buffer Subsystem

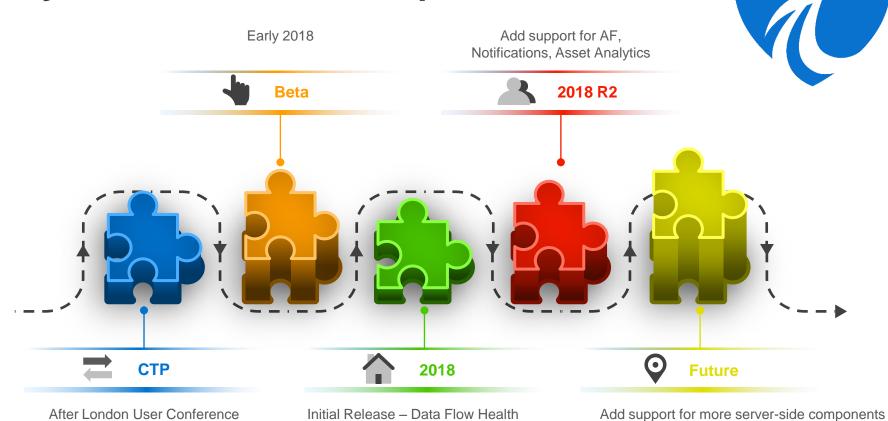
PI System Directory - Publisher

PI AF

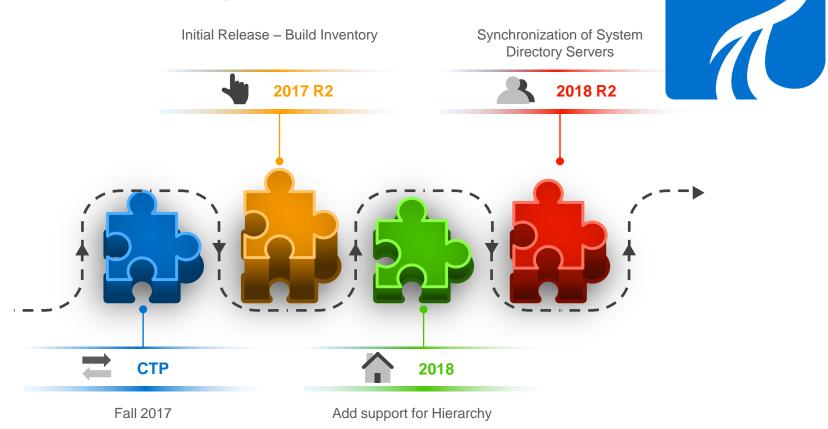




PI System Health Roadmap



PI System Directory Roadmap







LICENSING

- Every customer will get PI System Health
- Included with the PI Server License
 - Customers responsible for licensing of PI Tags
- Future:
 - Add-on subscription services
 - Additional charge for these



MANAGEABILITY



- Centralized Management, Administration and Configuration of your PI Servers
- PI System Health, PI System Directory will be part of this
- In research now





PI System Health & PI System Directory

- Come to the Booth
- Sign up for the Beta
- Let us know what you think!



PI System Manageability

- Contact Janelle Minich or Tom LeBay if you want to provide feedback and participate in our research effort
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Questions

Please wait for the microphone before asking your questions

State your name & company

Please remember to...

Complete the Online Survey for this session



감사합니다

Danke

谢谢

Merci

Gracias

Thank You

ありがとう

Спасибо

Obrigado