### PTC<sup>®</sup> Live Global

PTC 307
Connecting PLM to PTC: Improving
Support and Maintenance

Graham Birch Walid Saad



### The Internet of Things

SmartThings connected through a network to a computing infrastructure that create new forms of value

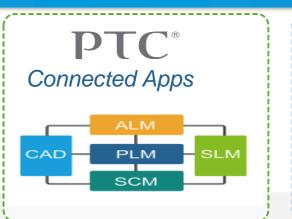


### Solution Architecture

**Applications** 

Application Enablement Platform







Axeda Apps PTC C-Apps Custom Apps built by customers, partners

Rapid App Development Platform

Thing Vor Converge

Application Development Tools and Runtime Platform

Secure, Scalable Communications

Industrial
Data
Connectors



3<sup>rd</sup> Party Device Clouds

Device Management and Connectivity

Network

Sensors, Devices & Equipment









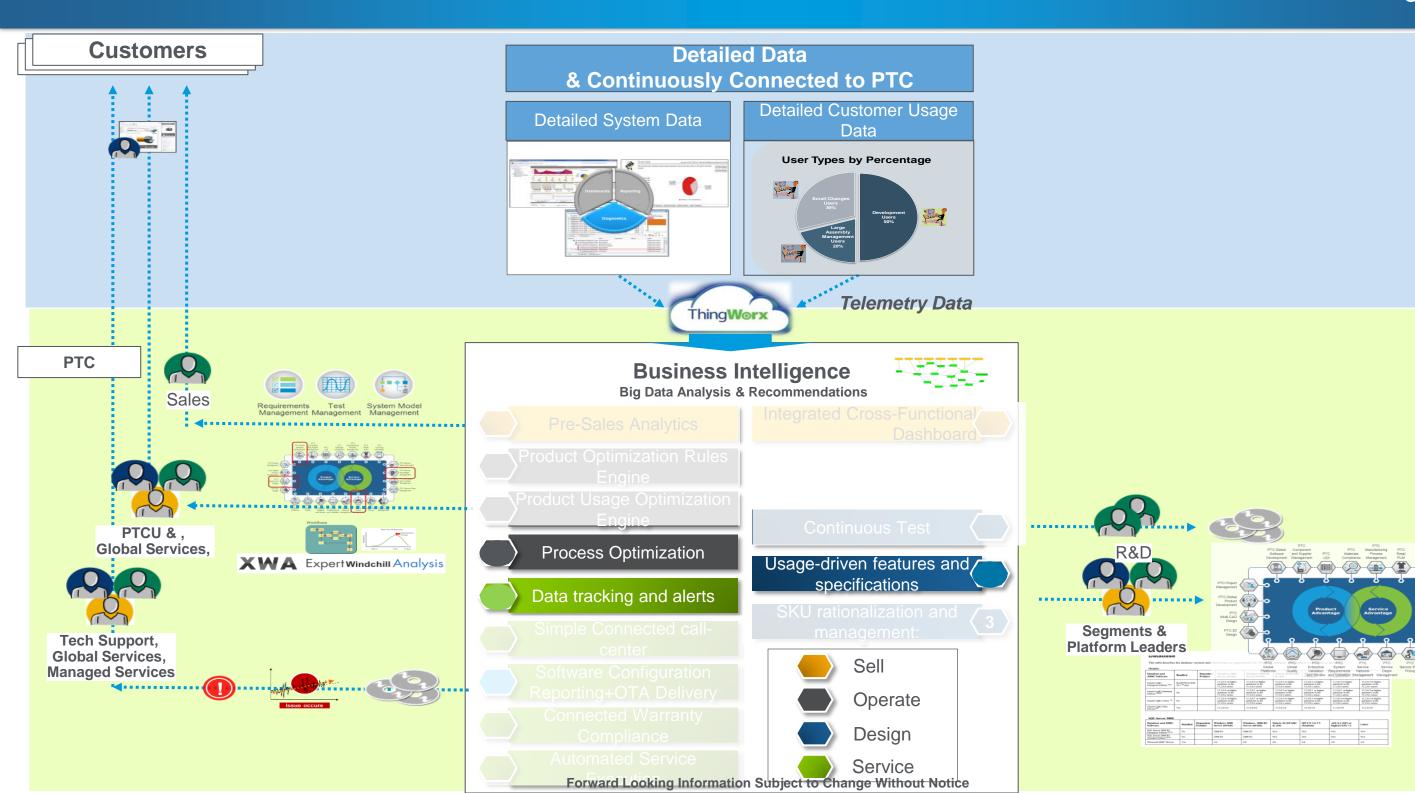




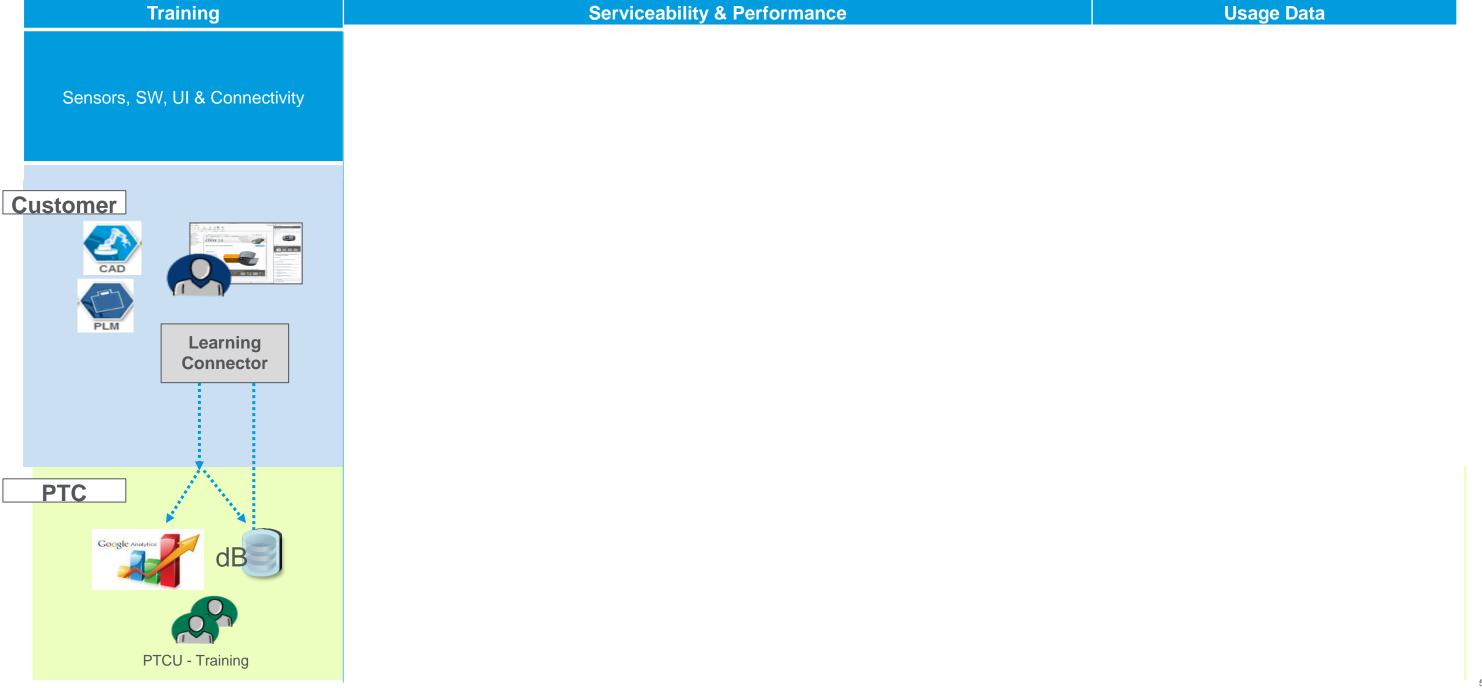


Support for connected assets using ThingWorx Agent, Axeda Agent, or direct

### Focus on Three Use Cases for Smart Connected PTC Products



### PTC's Products Provided the Initial Building Blocks for Making PTC's **Products Smart & Connected**

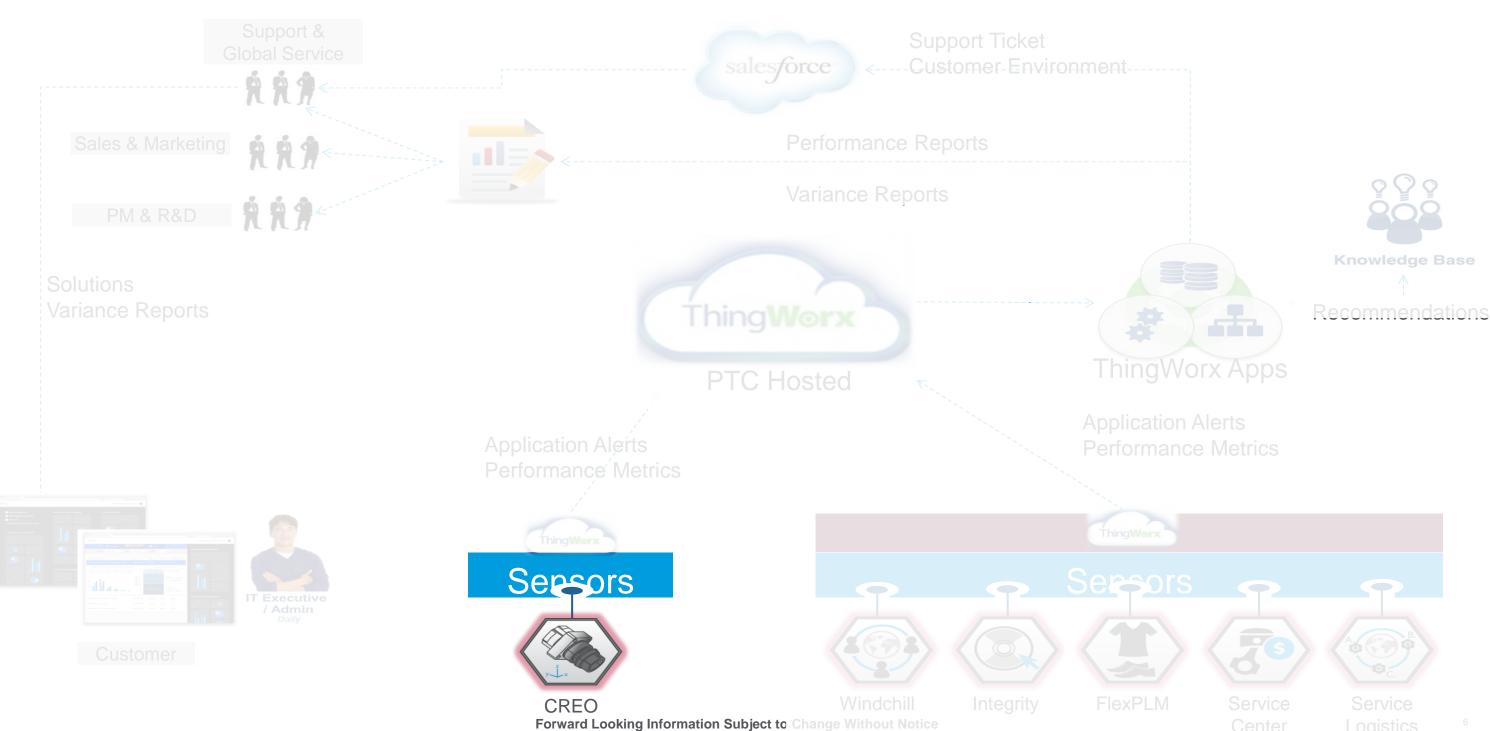


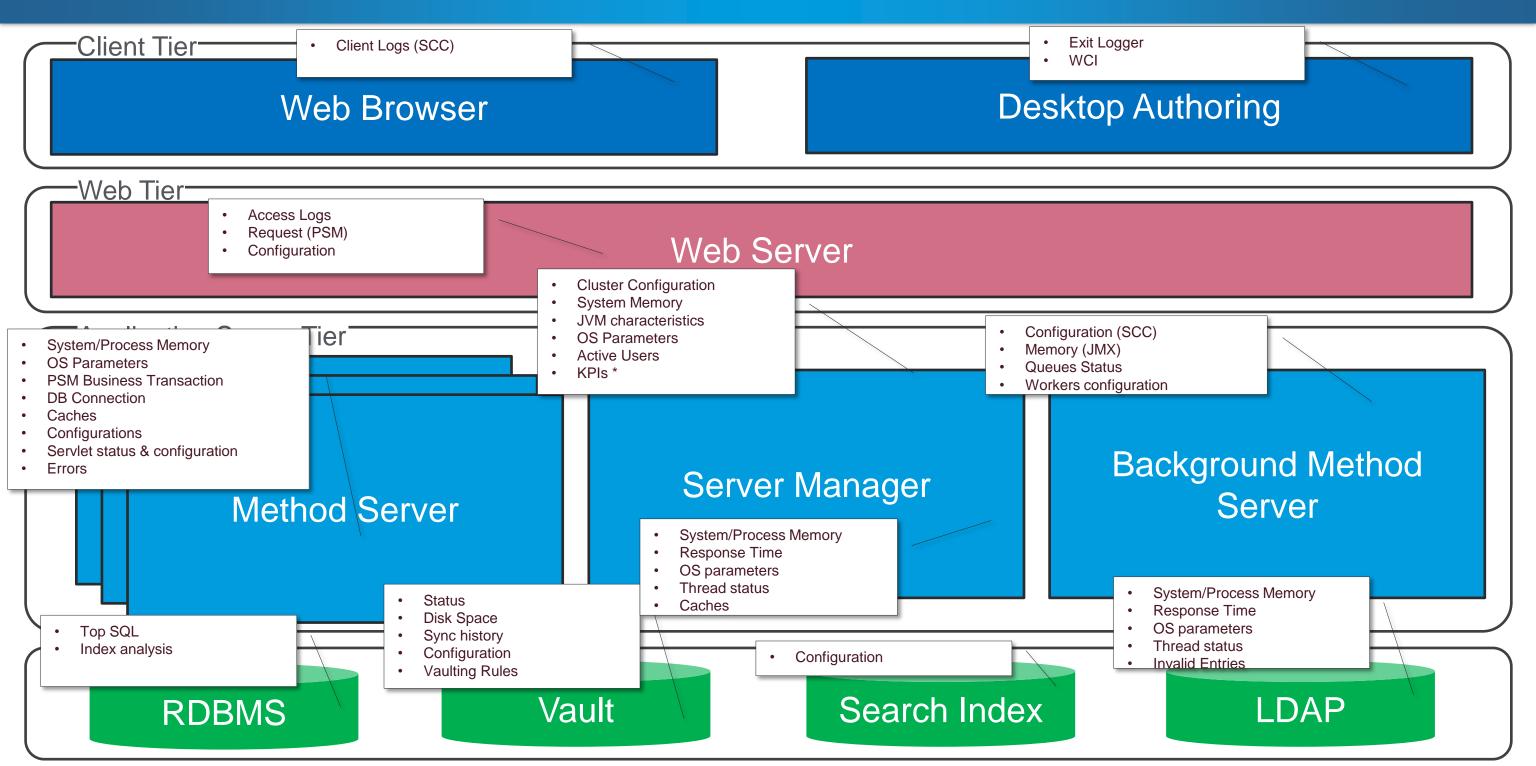
### Performance Advisor for CREO and PTC Windchill

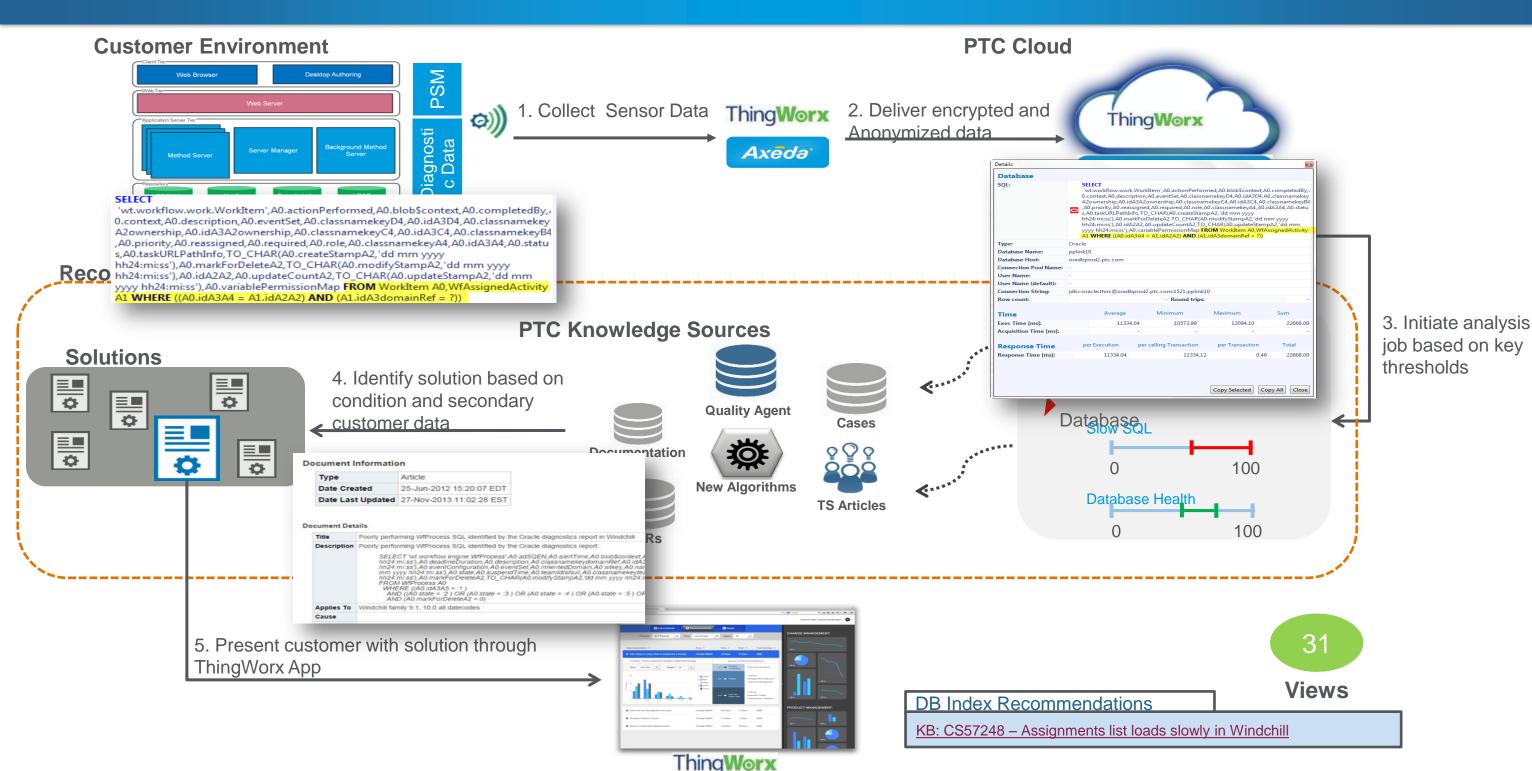




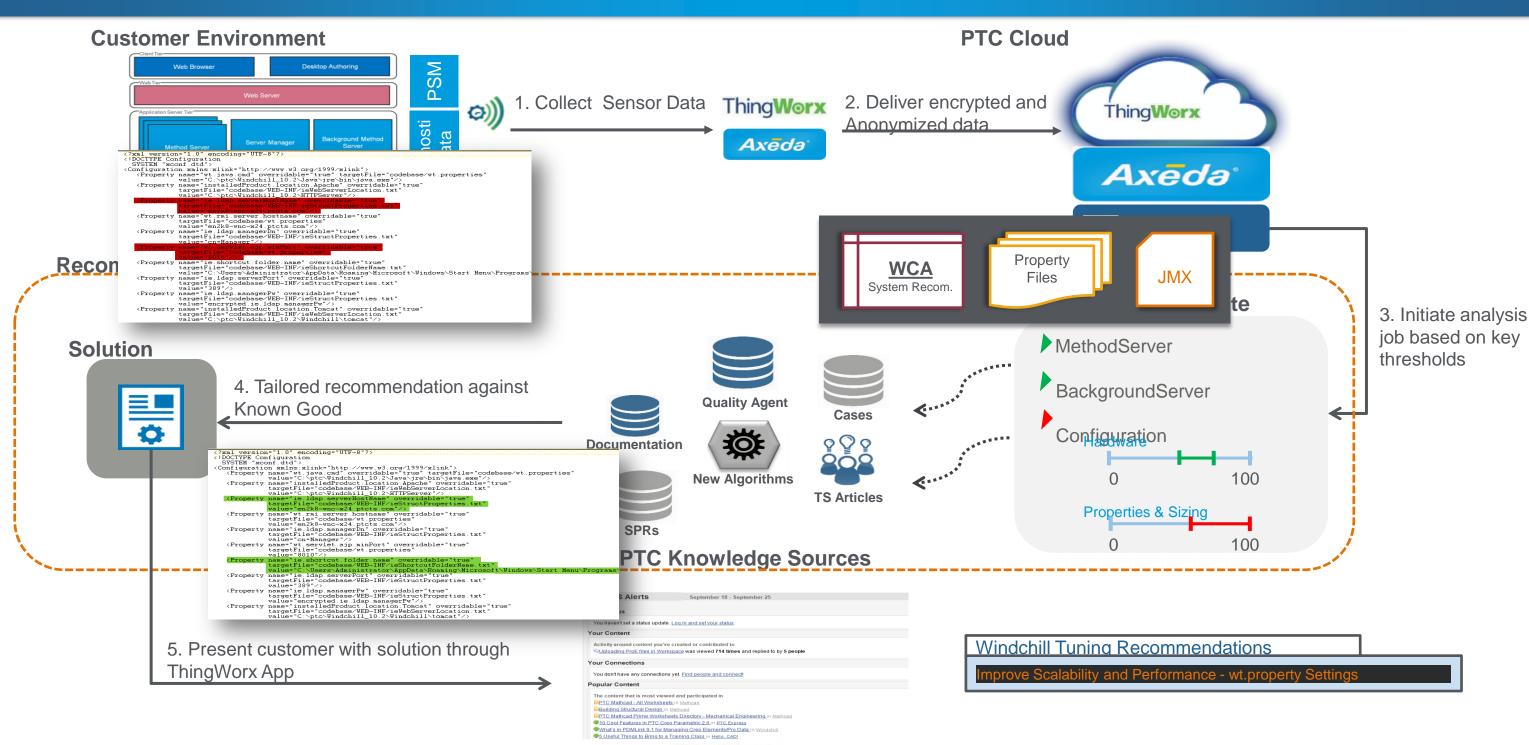
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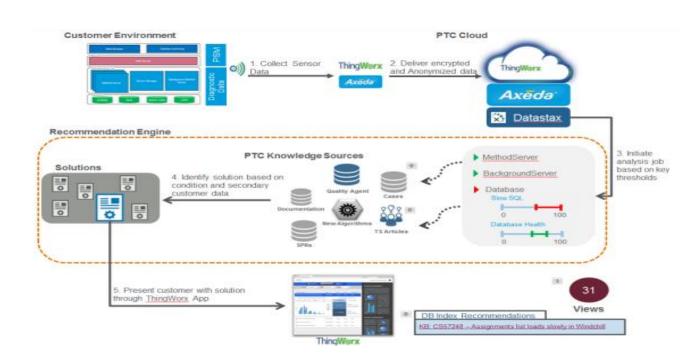
### PTC Windchill Performance Use Case



### PTC Windchill Data Tracking and Alerts

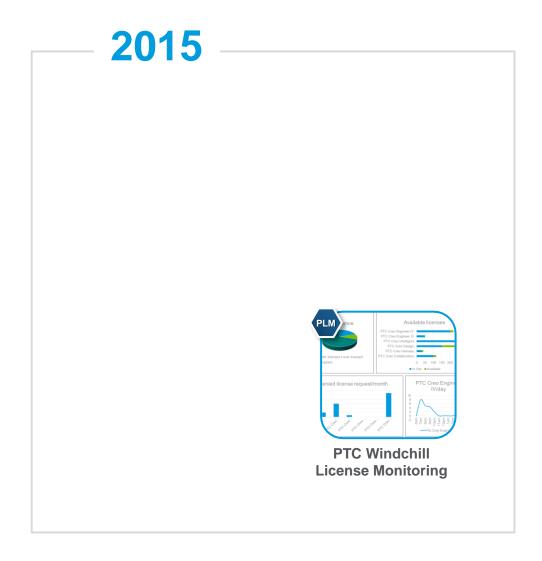
### Top Use Cases

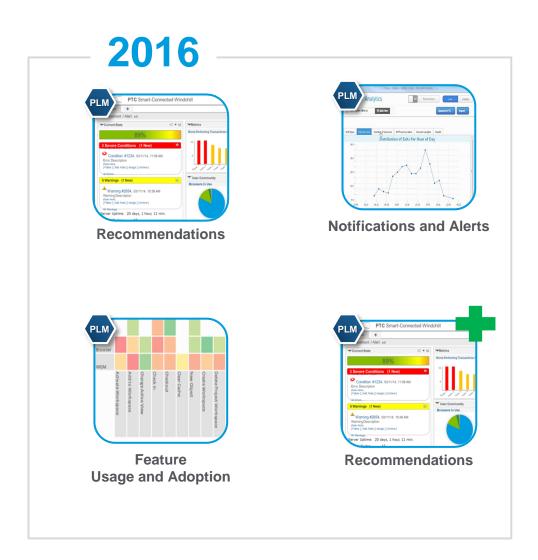
- 1 > License Usage Reporting
- 2 > Windchill Tuning
- (3 ) Database and SQL Tuning
- 4 > WorkGroupManager Stability
- 5 SPR Identification and Update Rec.
- 6 Common Recommendations to Peers
- 7 > Feature Usage and Adoption

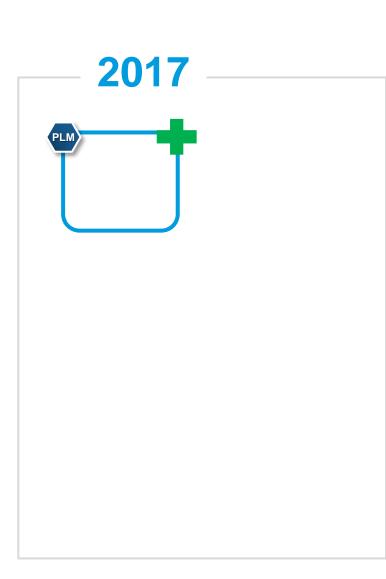


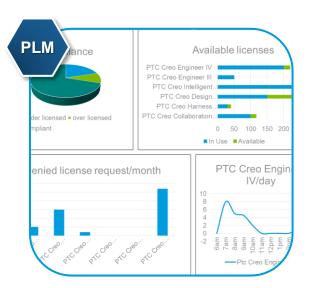
Roadmap

### PTC Windchill Performance Advisor App timeline







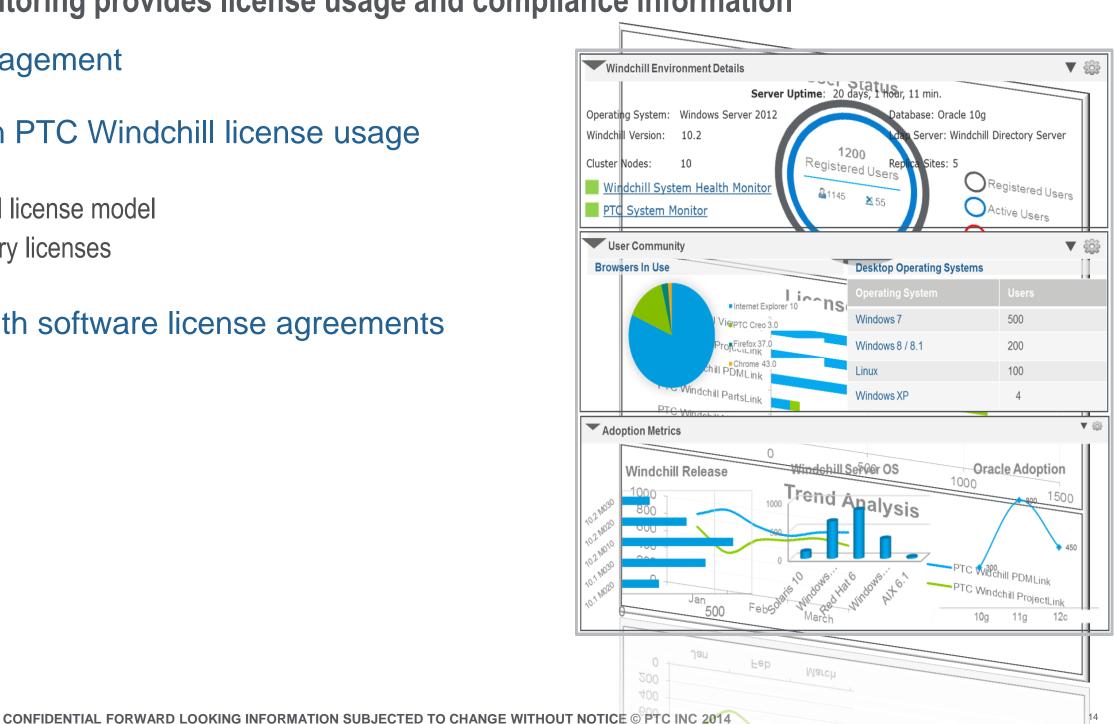


### PTC Windchill License Monitoring

### PTC Windchill Performance Advisor - License Monitoring

PTC Windchill license monitoring provides license usage and compliance information

- Effective licensing management
- Provides single view on PTC Windchill license usage
  - No license shortage
  - Optimized packages and license model
  - Avoid having unnecessary licenses
- Always be compliant with software license agreements
- **Environment Details** 
  - PTC Windchill Version
  - **Platform**
  - Browser Usage
  - Comparison Reports





Recommendations

### **Service**

### PTC Windchill Performance Advisor - Recommendations

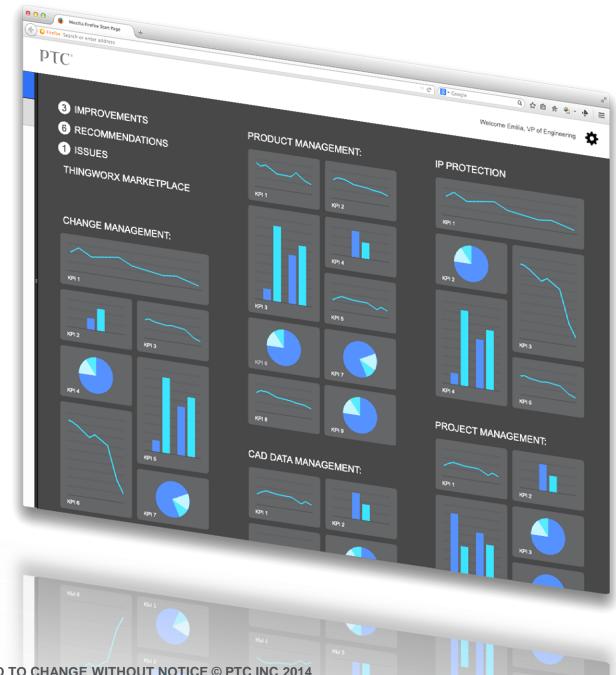
System health monitoring to guarantee uptime and proactive technical support

### Solution Concept:

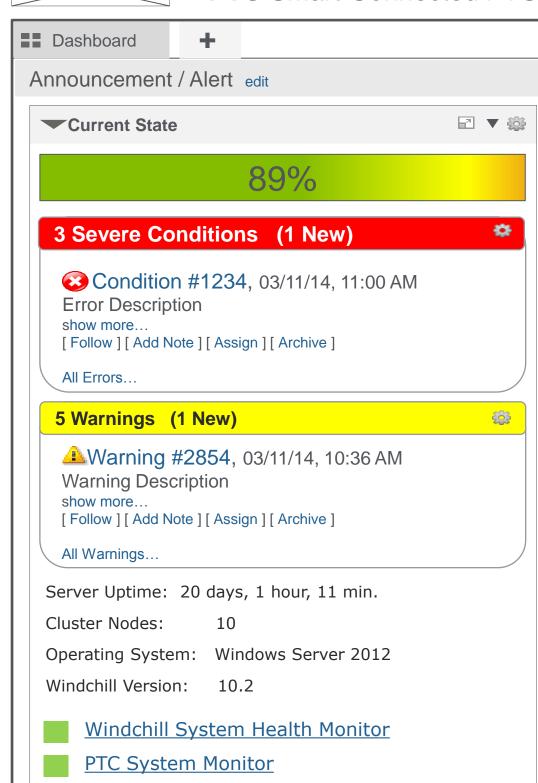
- Proactively detect incidents and provide PTC recommended and proven corrective action before your users are impacted
- Detects incidents based on data gathered by existing tools:
  - Windchill Quality Agent
  - PTC System Monitor, JMX, etc..
  - •
- Automated SPR identification
- enables rapid diagnosis of the root cause
- Recommendations based on peers

#### Benefits

- Increased end-user productivity
- Decrease IT's cost of managing PTC Applications
- Decrease incident rate
- Running Secure and scalable applications reducing the business's risk in using PTC Applications











**Dashboard** 

Transaction Performance Details



ThingWorx Marketplace



#### **Dashboard>** Worst Performing Transactions





Recommendation: Patch 56789

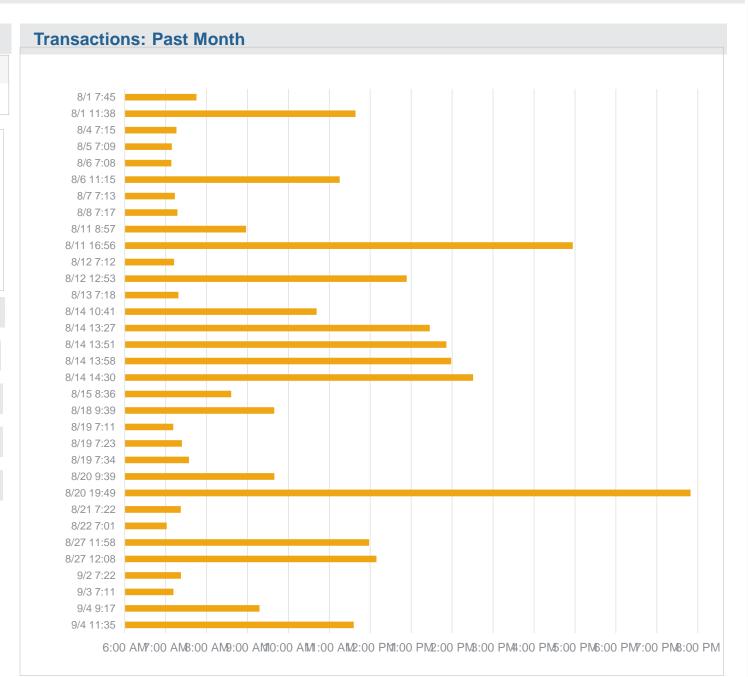
**Status** 

Not Installed

#### Patch 56789 Full Instructions

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- Recommendation: Change Windchill Settings
- Recommendation: Knowledge Base Article 12345
- Recommendation: Knowledge Base Article 67890
- **▼ ⓑ** Information: Lorum Ipsum Dolor
- **▼ ®** Information: Consectetur Adpiscing Elit



### Role Based Dashboard – Engineering Mgmt and IT Executive / Admin



## Process and Organization Improvement and Actions Value Drivers

- Improve global product development
- Reduce time-to-market
- Reduce product development costs

#### **Dashboard Features**

- Department and individual team-specific metrics
  - Identify improvement areas (e.g. implementation time)
- Process and employee productivity improvement recommendations



# **Solution and System Health Value Drivers**

- Improved business support
- IT cost reduction

#### **Dashboard Features**

- System and environment performance metrics
- Serviceability predictive analytics
- System health recommendations and actions





**Notifications and Alerts** 

### PTC Windchill Performance Advisor - Notifications and Alerts

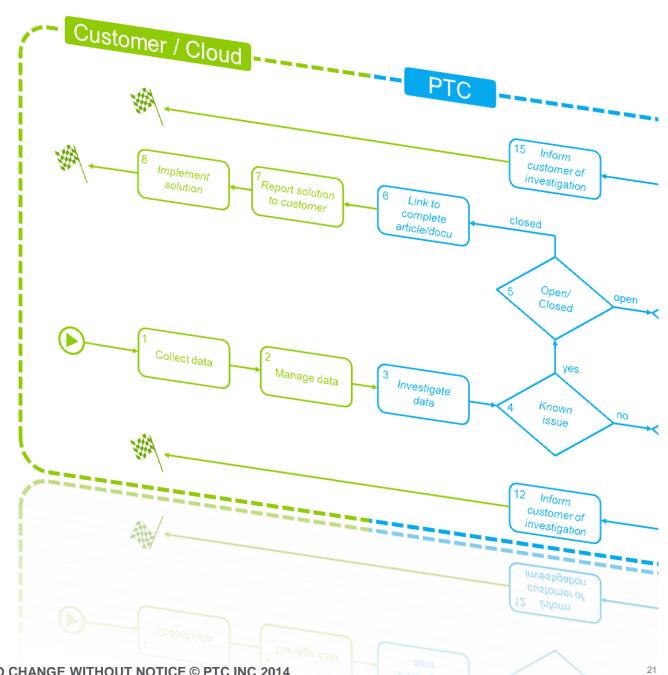
### Technical Support Closed Loop Process

### Solution Concept

- Notifications and Alerts on critical or time sensitive incidents
- Configurable thresholds
- Support multiple delivery mechanisms
- Integrates with PTC's CRM system
- Ability to initiate Technical Support Cases
- Feedback loop on recommendations and alerts

#### Benefits

- Visibility into most critical incidents
- Seamless interaction with Technical Support





**Operate** 

PTC Windchill Feature Usage and Adoption

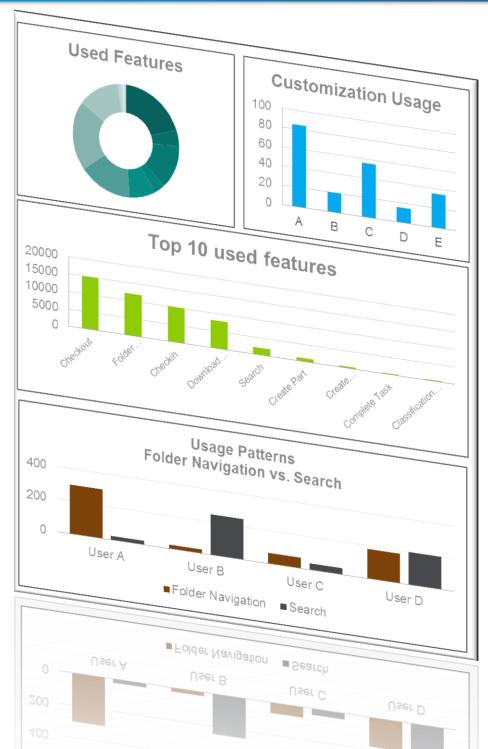
### PTC Windchill Feature Usage and Adoption

### Solution Concept:

 Provides Insides in usage of PTC products to improve product development processes

#### • Benefits:

- Supports being compliant with company standards and business best practices.
- Monitors usage of costly customizations and helps reduce unnecessary customizations.
- Focuses testing effort for product upgrades to the most affected product areas.
- Improves precision learning programs for individual end-user adoption.
- Helps PTC's product development organization to focus on your needs.





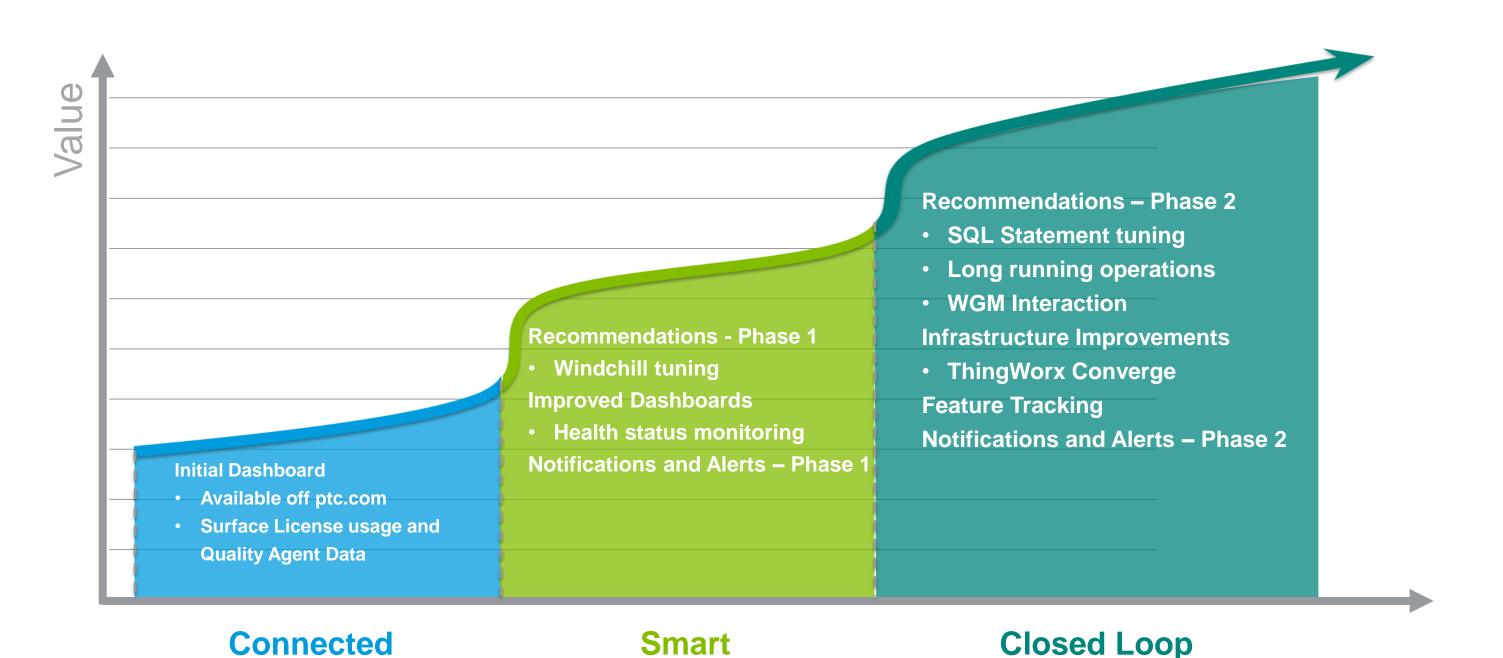
Security and Privacy

### Security and Privacy Questions

- How is the connection made between Windchill and PTC's Performance Advisor?
  - The connection is made over SSL (Port 443)
- Do I have to send data to PTC?
  - No, this is on an Opt-in basis.
- What information will be sent to PTC?
  - PTC Windchill Environment information (OS, Database, Version, etc...)
  - Diagnostic information (Cache metrics, Errors/Exceptions, SQL metrics, etc...)
  - License usage
- How can I review and confirm that data being sent to PTC is the what I want to send and at the interval I want to send it?
  - The Diagnostic Tool is configurable and all data can be reviewed before it is sent.

- How is access to the dashboard controlled?
  - The dashboard is accessed through eSupport Portal authentication and active PTC Windchill SCN paired with 'Support Admin' privileges for a given user.
- How does PTC physically host and secure data?
  - The Data resides on a set of PTC servers where it is hosted and processed. The server's security is rigorously controlled with limited access.
- What is the current adoption of Windchill Quality Agent?
  - 350+ customers sent data to PTC representing 200K+ users
- What is PTC's Privacy Policy for collected Data?
  - Collected Data is covered by the <u>PTC Privacy Policy</u>

**Statistics** 



**Process** 

Recommendations

- Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- Complete your session evaluation now

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