

# PTC System Monitor



## Increasing Enterprise Support Demand & Complexity



### Diagnostics & Troubleshooting Tools based on Customer & TS Requirements

#### Customer Challenges

- Visibility into System Health
- Time To Resolution
- High customer effort for diagnosing issues

#### Q2 FY12

 Debut of The Windchill System Performance Monitoring Tool for Windchill 9.1 & 10.0 powered by dynaTrace

#### Q3 FY12

Debut for PTC System Monitor for Integrity
 10 powered by dynaTrace



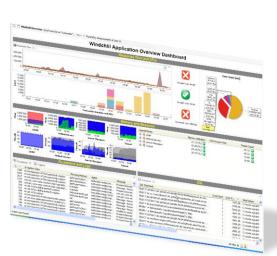
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#### Introduction



### Key Use Scenarios

- Detection (set thresholds and detect problems)
  - Slow performing URL e.g. View a Part, Check in a Document
  - Unresponsive, Dead Method Servers, Memory Abuse, Partial failures
- Diagnosis (viewing tools and automation of data collection)
  - Transaction profile (avoid need for reproducing errors)
  - Integrated log viewing, gather save and send (Windchill Release 10)

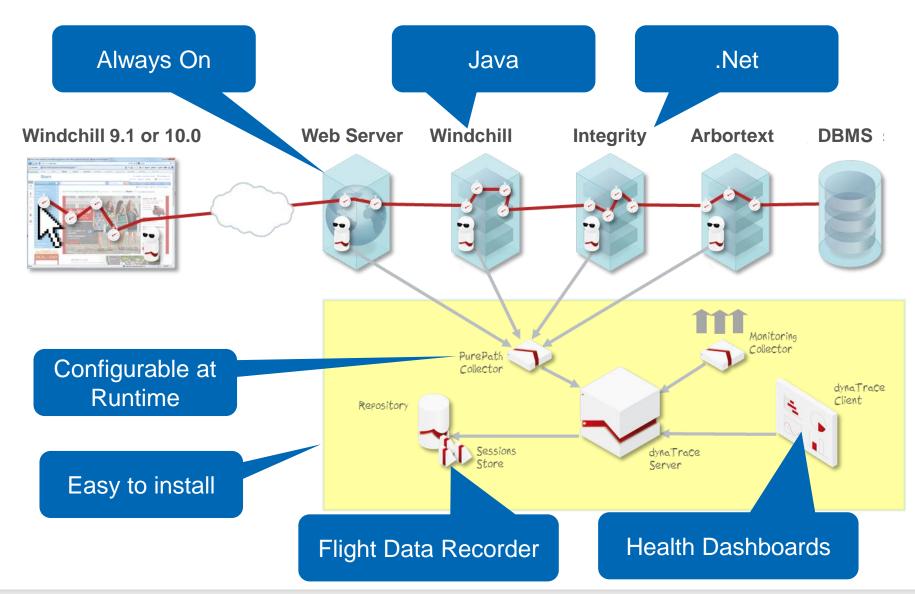


- Repair, Recovery and Validation (integration with WC environment)
- Planning and Reporting (analyze trends, measure availability)
  - Reporting on serviceability metrics
  - Trending and correlation through time
- Interoperability (fit within IT management)
  - Integration with traditional Network and Systems Management Infrastructures

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## PTC System Monitor Overview

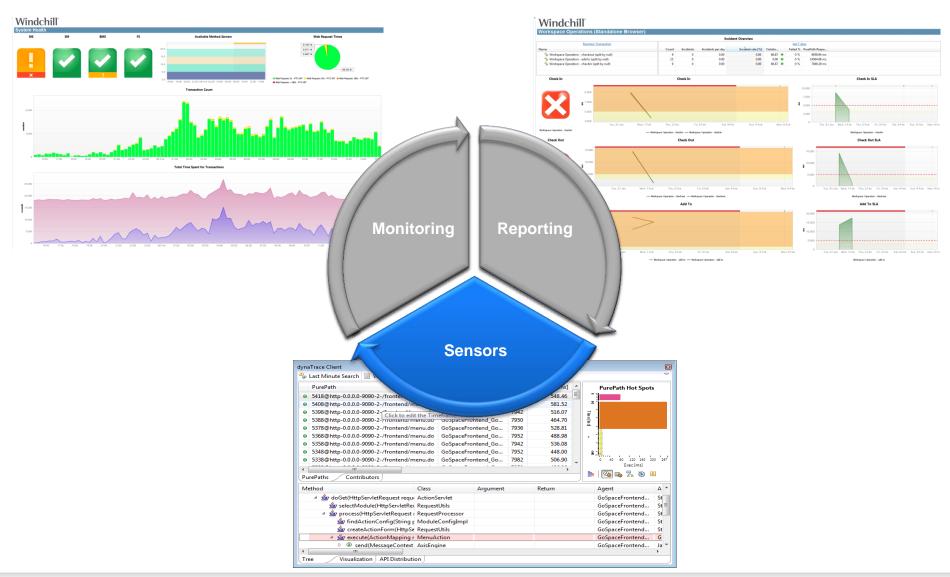




## PTC System Monitor Capabilities

### PTC<sup>®</sup>

#### **Product Features**



### <Cust> Sees Dramatic Reduction in Diagnosis Time



### Poor Performing SQL Query Found in Minutes

#### <Cust> DBA

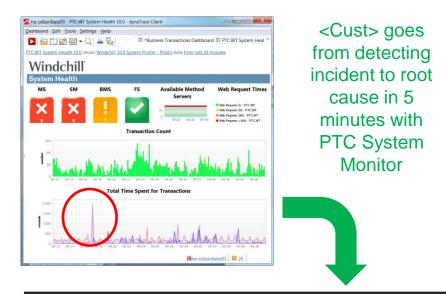
- Reports serious performance degradation in WF process history
- <Cust> started using PTC System
  Monitor as early adopter in January

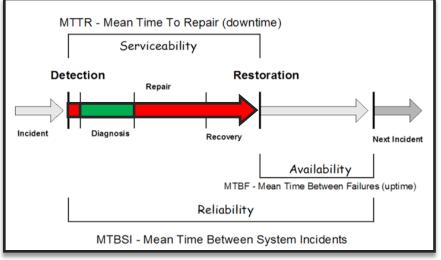
### Darrin Swenson, PTC Engineer

- Darrin calls DBA and starts WebEx
- Within 5 minutes they isolate root cause
- Missing index on a table

#### Client and PTC Benefits

- No need to setup WC Profiler
- No impact on production system
- No need to reproduce incident
- No need setup environment to isolate cluster node
- No delays in starting diagnosis!

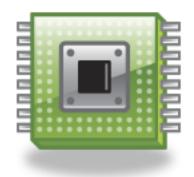




## **PSM System Requirements**



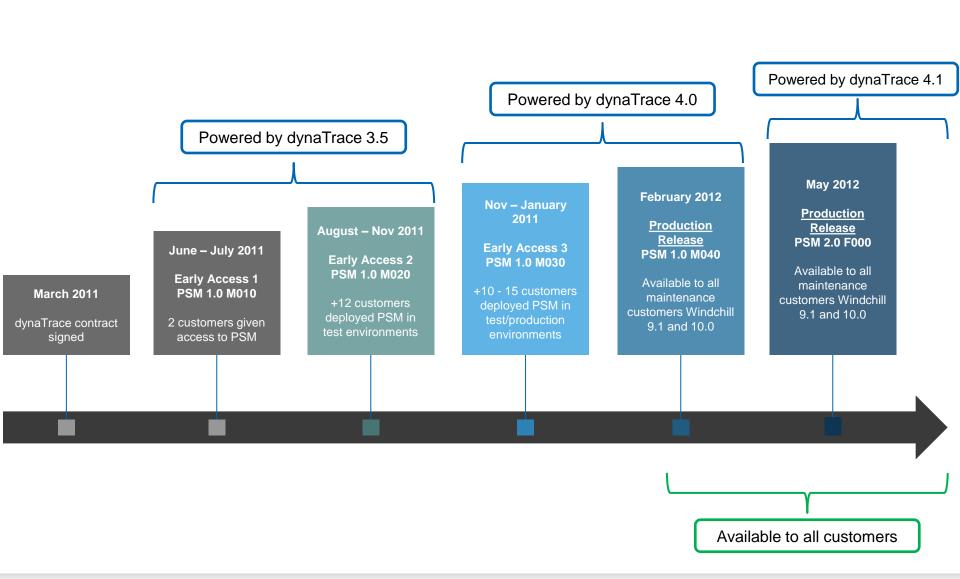
- Operating System: x64 Linux, Windows, Solaris, AIX
- CPU Requirement: 2 4 cores
- Memory Requirement: 8 16GB
- 20+ GB disk space storage





#### **PSM** Release Timeline





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### Frequently Asked Questions



- When can I get the PTC System Monitor?
  - PSM was released February 2012
  - Available through the PTC Software Download catalog
- What PTC applications does PSM support?
  - Windchill 9.1 and 10.0 server components.
  - MKS Integrity product
- Is there any cost to PSM?
  - It's free
  - PSM will be available to maintenance-paying PTC customers of PTC PDS server software
  - There will be options to expand the PSM with dynaTrace add-on modules
- What type of hardware will I need?
  - A separate monitoring server (64 bit) is required

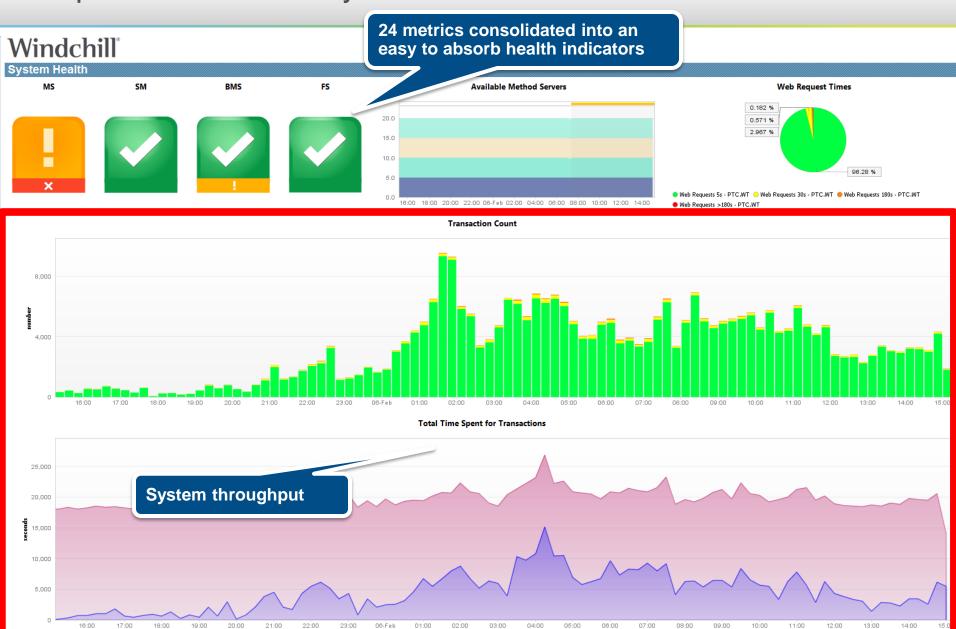
## Frequently Asked Questions (continued)



- Is there training available from PTC?
  - Yes, through PTC University
- Does PSM monitor browser performance?
  - No. The PSM is based on dynaTrace's Production Edition and is focused on server performance only.
- Does PSM support Creo?
  - Not directly. PSM monitors server-side interactions of Creo with Windchill. For example workspace operations can be monitored in Windchill that are driven by Creo.
- Can PSM replace enterprise system monitors: Nagios, OpenView, Tivoli?
  - Yes and No. PTC System Monitor is not an enterprise monitoring solution, but rather it is an
    <u>application monitoring</u> solution that traces transactions across application components rather
    than monitoring just the hardware.

### Simple View Into the System





## **Drill Down Capabilities**

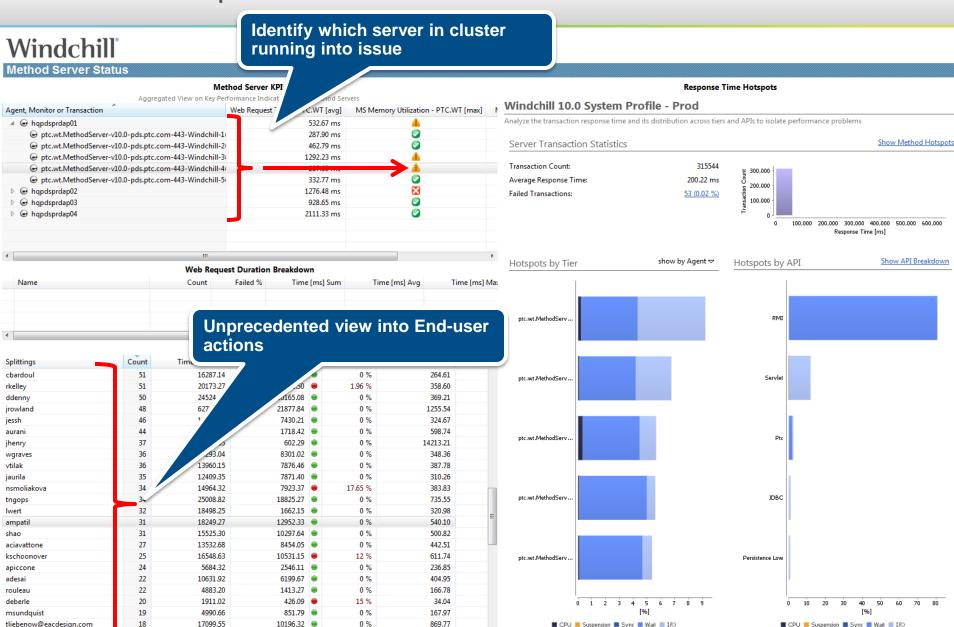
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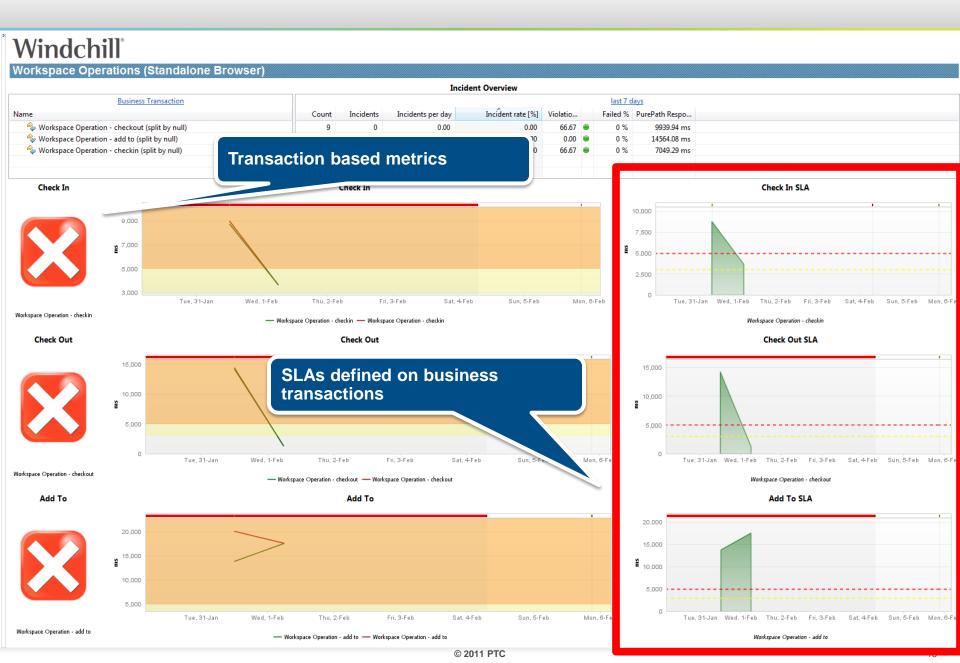




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#### **Transaction Based Dashboards**





### Powerful Diagnostic Capabilities



