



PTC WINDCHILL BUSINESS AND SYSTEM ADMINISTRATION ROADMAP

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Director of Product Management

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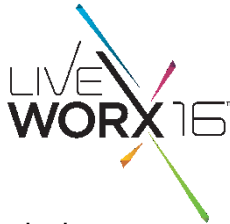


AGENDA


- System Configuration Management
- License Management
- Applet Replacement Update
- Types and Learning Connector
- Application Monitoring
- Platform Updates


SYSTEM CONFIGURATION MANAGEMENT


SYSTEM CONFIGURATION MANAGEMENT(SCM) PROCESS OVERVIEW



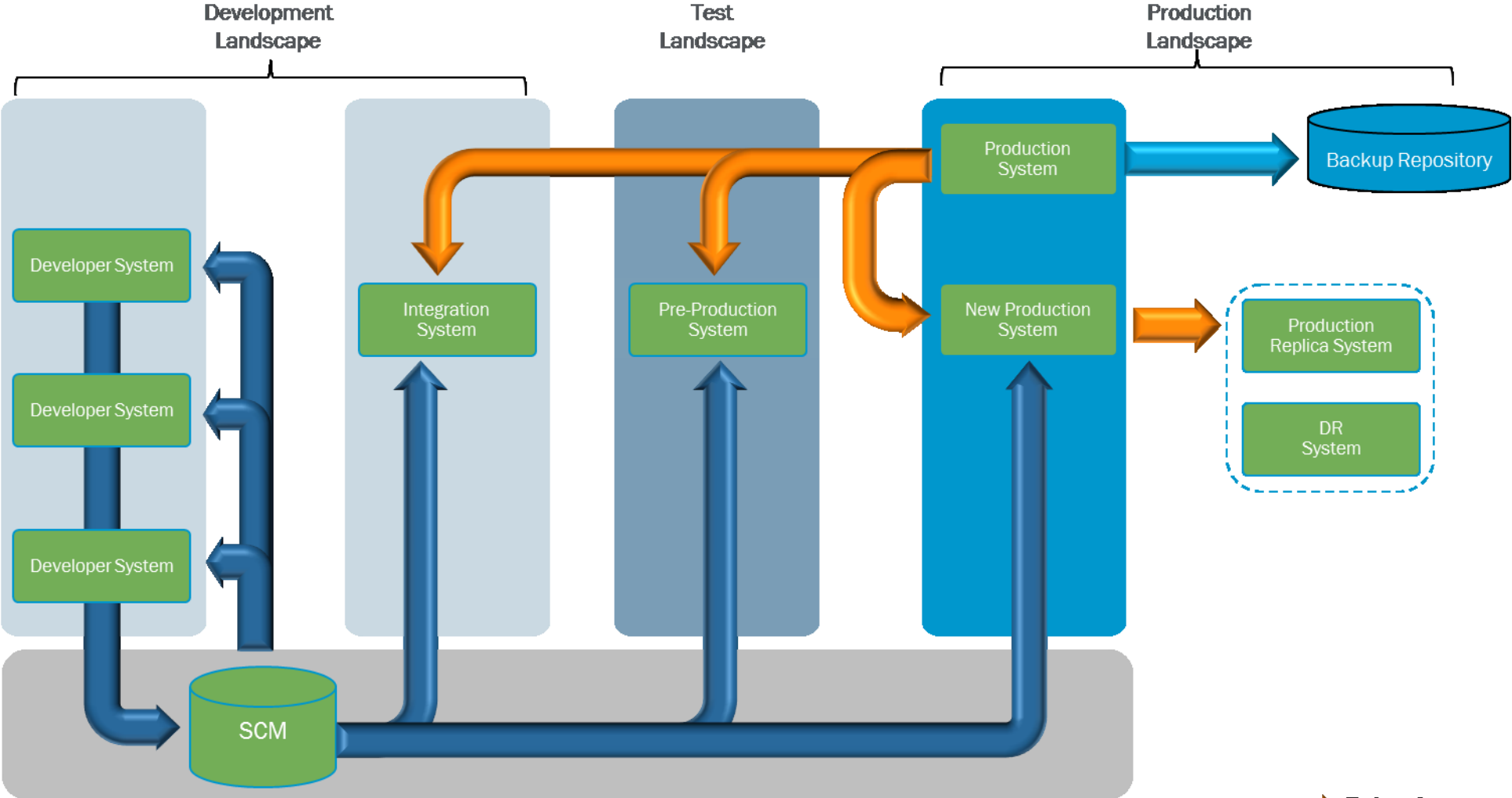
SCM is the task of tracking and controlling changes in the **software**, part of the larger cross-discipline field of **configuration management**. SCM practices include revision control and the establishment of baselines.

- 

Rehost Production Environment
- 

Promote Business Administrative Changes
- 

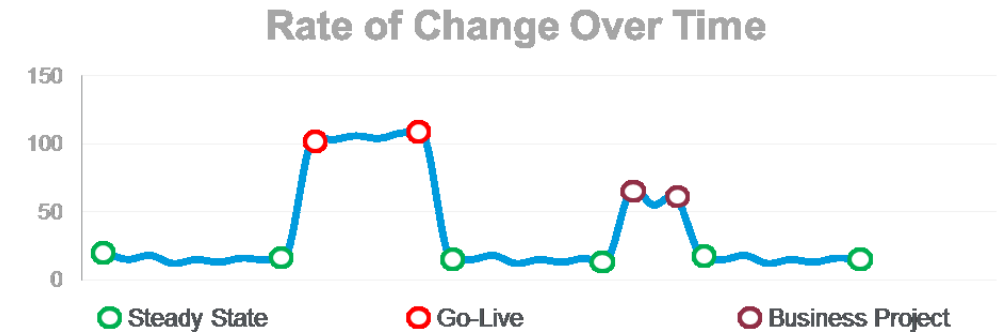
Deploy System Administrative Changes



 Rehosting
 BAC

Challenges

- **Difficult to identify what Business Administrative changes were made in my environment**
 - Establishing a baseline state of my environment and subsequent changes made over time
- **High lead time to deploy change on Production**
 - Error prone and very tedious process
- **Impact grows exponentially at high rates of change**
 - Multiple and distributed Developers / Administrators exacerbate issue
 - High risk for conflicts and regressions
- **LoadFiles are not designed for managing change to downstream applications**
 - High cost associated to creating and maintaining load files and some customization may be required



BUSINESS ADMINISTRATIVE CHANGE PROMOTION



Selective Mode

Selectivity on Export
Matching based on Business Identity

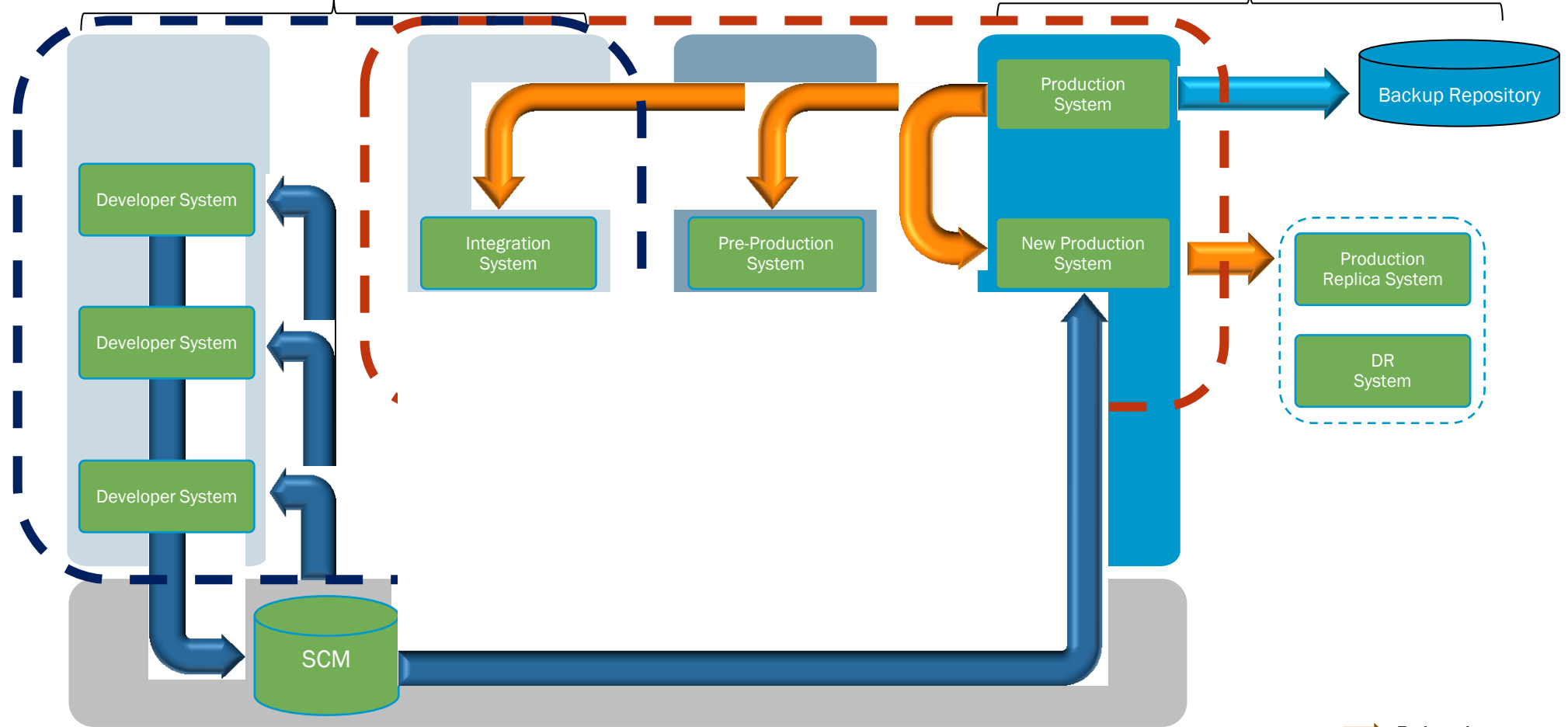
Development Landscape

Test Landscape

Synchronized Mode

Domain level selectivity on Export
Matching based on Object ID

Production Landscape









 Rehosting
 BAC

WINDCHILL ADMINISTRATIVE CHANGE – WINDCHILL 11.0 M010



Support Object Types

-  Access Control Rules
-  Profiles
-  Preferences
-  Object Initialization Rules
-  Life Cycle Templates
-  Workflow Templates



Capabilities

Packages Framework



Reports and Conflict Management

Project	Title
...	...

Business Administrative Change Import Log	
...	...

No of Objects	
...	...

Preview Report
 Import Report
 Conflict Manger



LICENSE MANAGEMENT

LICENSE MANAGEMENT

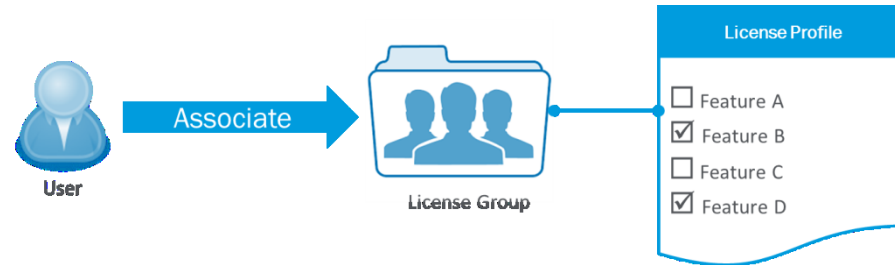


CAPABILITIES

- Practice based license modules
- Subscription based model
- License Profiles enforce license entitlement
- License and usage monitoring

License Enforcement

- Pre-defined License Profiles
- License Profiles control visibility to licensed features



Base Modules	
Access	
Contributor	
Author	
Practice Modules	
Mechanical Design I - Data Mgmt	
Mechanical Design II - Data Mgmt	
EBoM Management	
Manufacturing	
Project and Program Management	
Use Based Modules	
Part Re-use	
Platform Structures	

BENEFITS

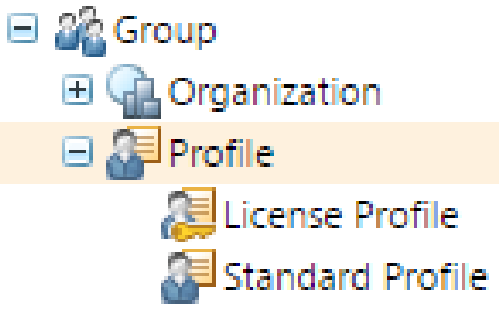
Compliance

Flexibility

Predictability

STANDARD vs LICENSE PROFILES

- Profiles are soft types of WTGROUP
 - Standard Profiles are what Profiles are today
 - Standard Profile Soft-type
 - License Profiles
 - License Profile Soft-type



- License Profile Actions
 - Save As Standard Profile
 - CANNOT Edit, Delete, Export/Import, Rename

Standard Profiles

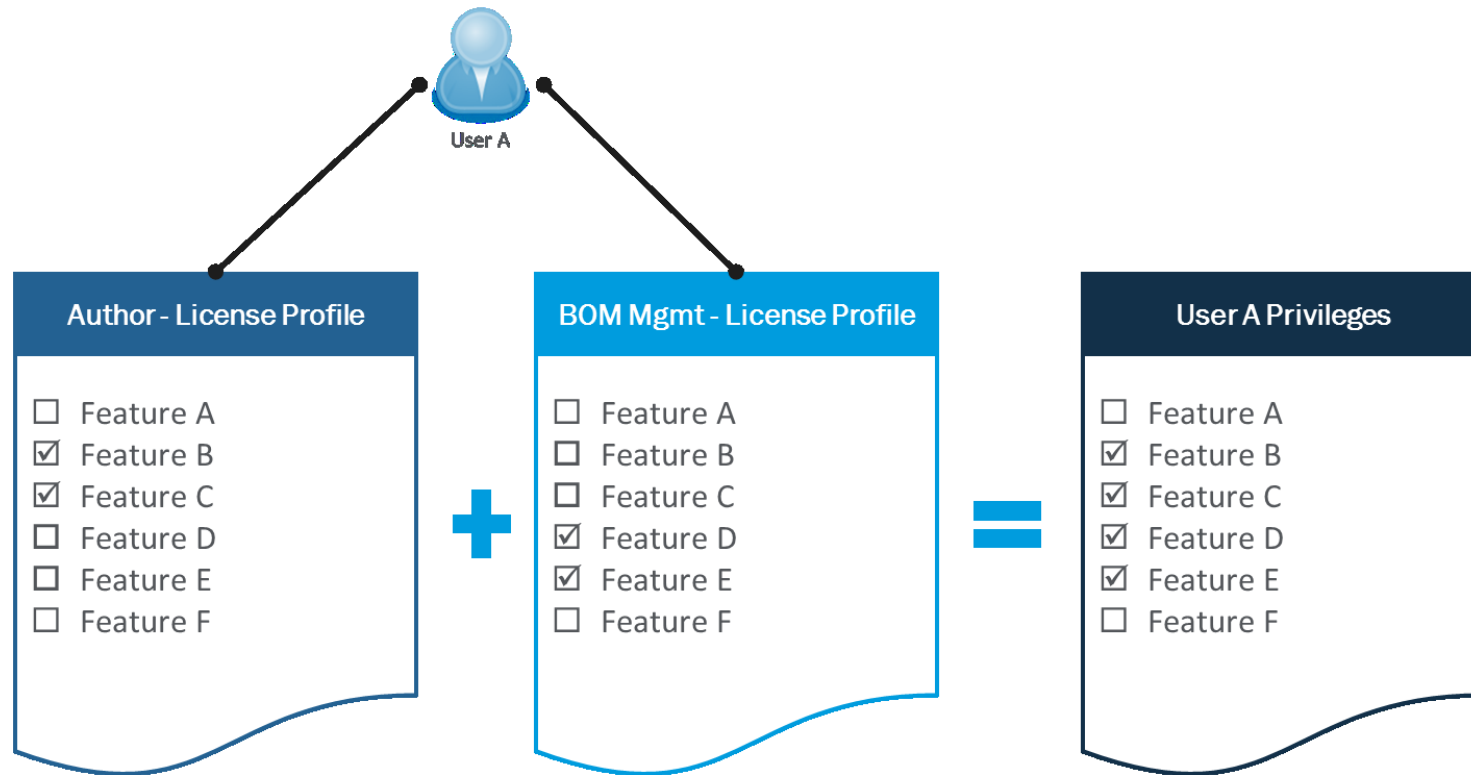
Name	Description	Enabled	Context
CAD Author	Provides visibility to the Project, Product, Library, and Change Tabs and CAD data management functionality.	Yes	Site
Consumer	Provides visibility to the Project, Product, Library, and Change tabs, but hides access to all authoring functionality across libraries, products and projects.	Yes	Site
Customer	Provides visibility to only the Folders subtab of a Project, hiding forums, routings, and search functions as well as CAD data management.	Yes	Site
Employee	Provides visibility to the Project, Product, Library, and Change Tabs but hides access to CAD data management functionality.	Yes	Site
Non-Employee	Provides visibility only to the Project Tab and hides global search, project search and home page search as well as all authoring functionality.	Yes	Site
PDM	Provides visibility to Product, Change, and Library tabs and hides visibility to Project and Program tabs as well as CAD data management functionality.	Yes	Site
Procurement	Provides visibility to the Project, Product, Library, Change, and Supplier Tabs but hides access to CAD data management functionality.	Yes	Site
Product Plan	Provides visibility to Plan and Resources tabs under Product	Yes	Site
Project	Provides visibility to the Project tab and hides the Product, Library, Change, and Procurement tabs but hides access to CAD data management functionality.	Yes	Site
Supplier	Provides visibility to only the Project tab, and only the Folders, Team, and Discussions subtabs.	Yes	Site

License Profiles

Name	Description	Enabled	Context
PTC Author License	Provides visibility to the capabilities associated with a PTC Author License.	Yes	Site
PTC BOM Transformation License	Provides visibility to the capabilities associated with a PTC BOM Transformation License.	Yes	Site
PTC Contributor License	Provides visibility to the capabilities associated with a PTC Contributor License.	Yes	Site
PTC EBOM Management License	Provides visibility to the capabilities associated with a PTC EBOM Management License.	Yes	Site
PTC IP Security License	Provides visibility to the capabilities associated with a PTC IP Security License.	Yes	Site
PTC Manufacturing License	Provides visibility to the capabilities associated with a PTC Manufacturing License.	Yes	Site

LICENSE PROFILE HIERARCHY

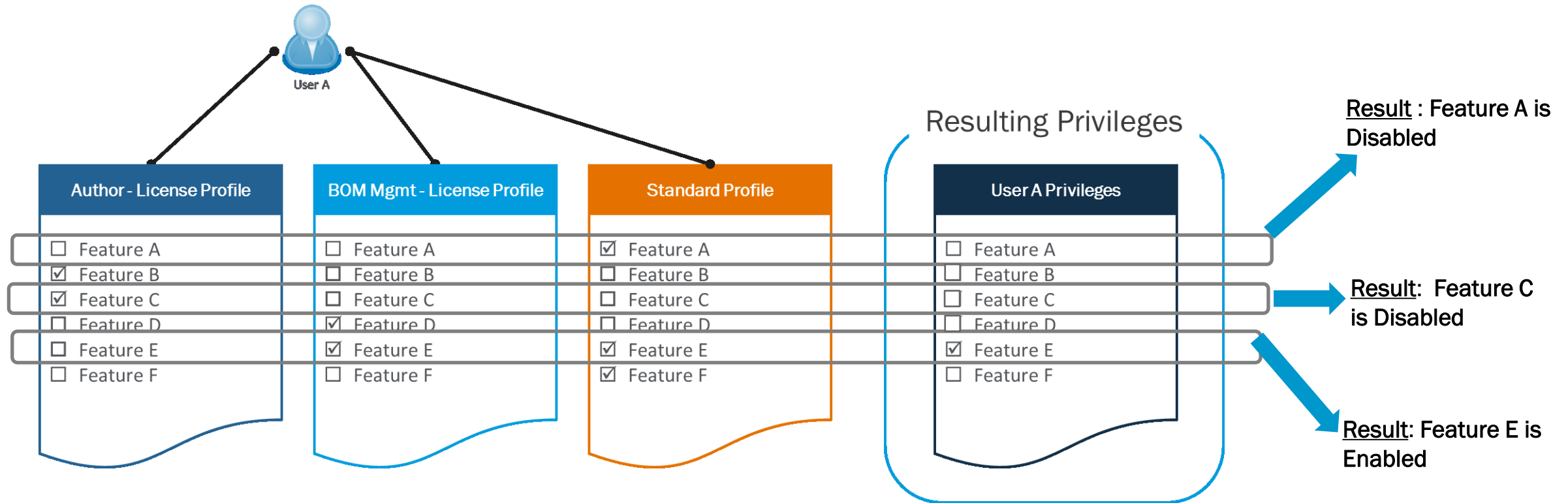
- Membership into multiple License Profiles results in the combined entitled features
- All Practice based PLM packages are based off Author License



LICENSE AND STANDARD PROFILE INTERACTION



- License Profiles override grant privilege in Standard Profiles
- Deny in Standard Profiles overrides grant privilege in License Profiles



APPLET REPLACEMENT

APPLET REPLACEMENT PROGRESS



Applet	Release
File Upload	10.2 M020
Calendar	10.2 M030
Import and Export Utility	
Project Planning GANTT Chart	
Software Download (<i>sign</i>)	
Live Charting (<i>sign</i>)	
Common Participant Picker	11.0 F000
Query Builder	
Software Download	
Team Template	
Attribute / Quality / Measure	
Workflow Process Manager	
Policy, Notification, Indexing Administration	
Life Cycle Template Administration (List)	

POLICY ADMINISTRATOR



IMPROVEMENTS

- Uses common pickers
 - Type, Context and Participant pickers
- Usability
 - Two pane model
 - Actions in lightboxes
 - Consistent user experience
- Performance
 - Search and lookups

The screenshot displays the Policy Administrator interface. On the left, a 'Domains' pane shows a tree view of domains, with 'GOLF_CART' selected. On the right, the 'Access Control Rules' pane shows a search for 'SCUser1 (SCUser1: SCOrganization)'. A search dropdown menu is open, showing a list of users and organizations. A red callout bubble points to this dropdown with the text 'Auto-suggest Participant Picker'. Below the search results, a table lists rules with columns for State, Participant, and Applies To. A red callout bubble points to the bottom of the table with the text 'Paginated Results'. A pagination control at the bottom shows page 1 of 4.

State	Participant	Applies To
All	Team Members	Participant
Open	Team Members	Participant
All	Collaboration Manager	Participant
All	Team Members	Participant
All	Change Admin I	Participant
Open	Team Members	Participant
Under Review	Variance Approvers	Participant
All	Collaboration Manager	Participant
All	Team Members	Participant
All	Product Manager	Participant
All	Team Members (Product - GOLF_CART)	Participant
All	Team Members	Participant
All	Option Manager	Participant
All	Team Members	Participant
All	Option Manager	Participant
All	Team Members	Participant
All	Guest	Participant
All	Collaboration Manager	Participant
All	Team Members	Participant
All	Guest	Participant
All	Team Members	Participant

POLICY ADMINISTRATOR



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The screenshot displays the Policy Administrator interface. On the left, the 'Domains' pane shows a tree view of domains. A red callout bubble points to the search input field in this pane, labeled 'Type Picker'. On the right, the 'Access Control Rules' pane is visible, showing a table of rules. A 'Find Type' dialog box is open, displaying a list of object types. The 'CAPA Plan' object type is selected. The dialog box also shows a search input field and a list of selected objects.

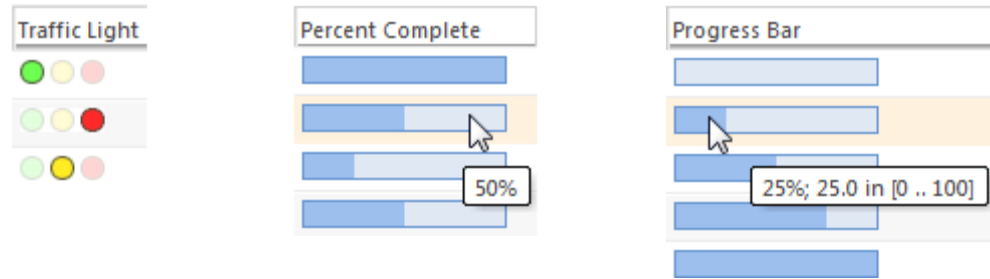
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All	Team Members	Participant
All	Change Admin 1	Participant
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All	Team Members	Participant
All	Product Manager	Participant
All	Team Members (Product - GOLF_CART)	Participant
All	Team Members	Participant
All	Option Manager	Participant
All	Team Members	Participant
All	Option Manager	Participant
All	Team Members	Participant
All	Team Members	Participant
All	Guest	Participant
All	Collaboration Manager	Participant
All	Team Members	Participant
All	Guest	Participant
All	Team Members	Participant
All	Option Manager	Participant
All	Owner	Participant

TYPE AND LEARNING CONNECTOR

TYPES AND LEARNING CONNECTOR

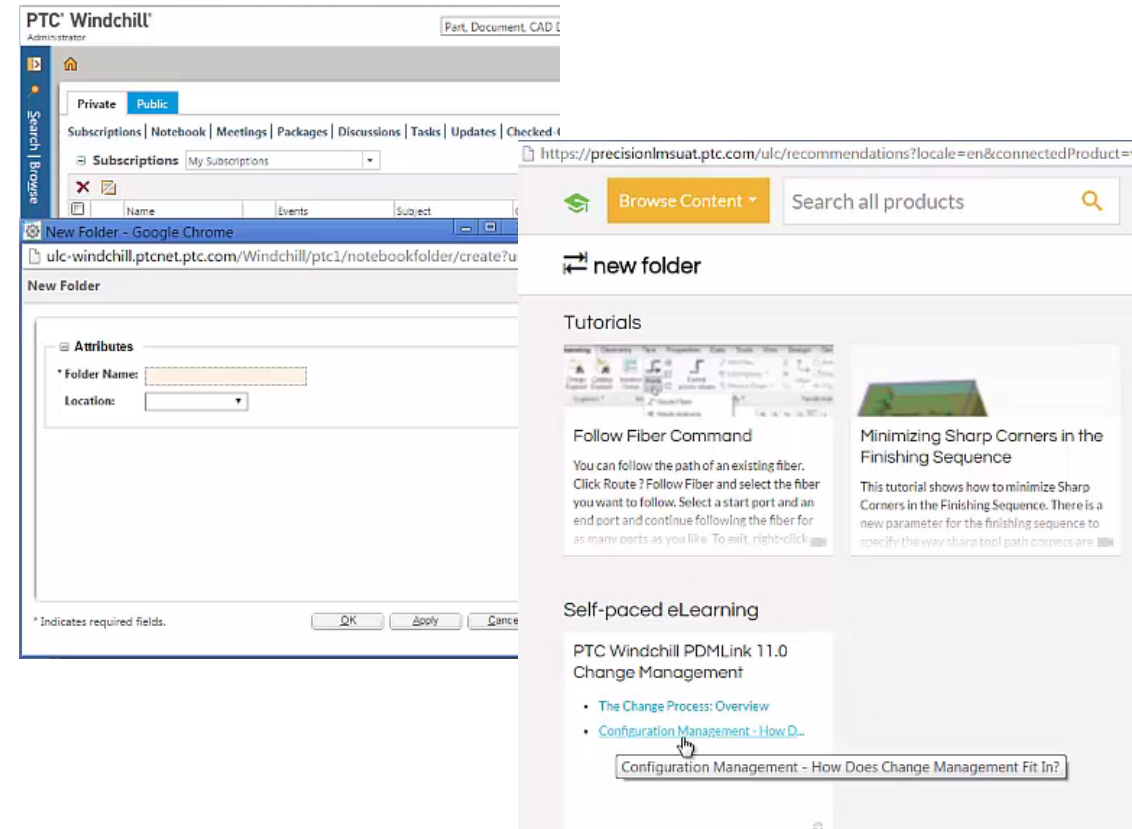


- Graphical attributes support extended to GWT based UIs



- Context Sensitive tutorials from Learning Connector
 - Available in JCA UIs

- New Type Manager constraint:
 - No Duplicate Values
 - For use with attributes that can be assigned multiple values



APPLICATION MONITORING

SMART, CONNECTED PTC WINDCHILL DELIVERS...



CAPABILITIES

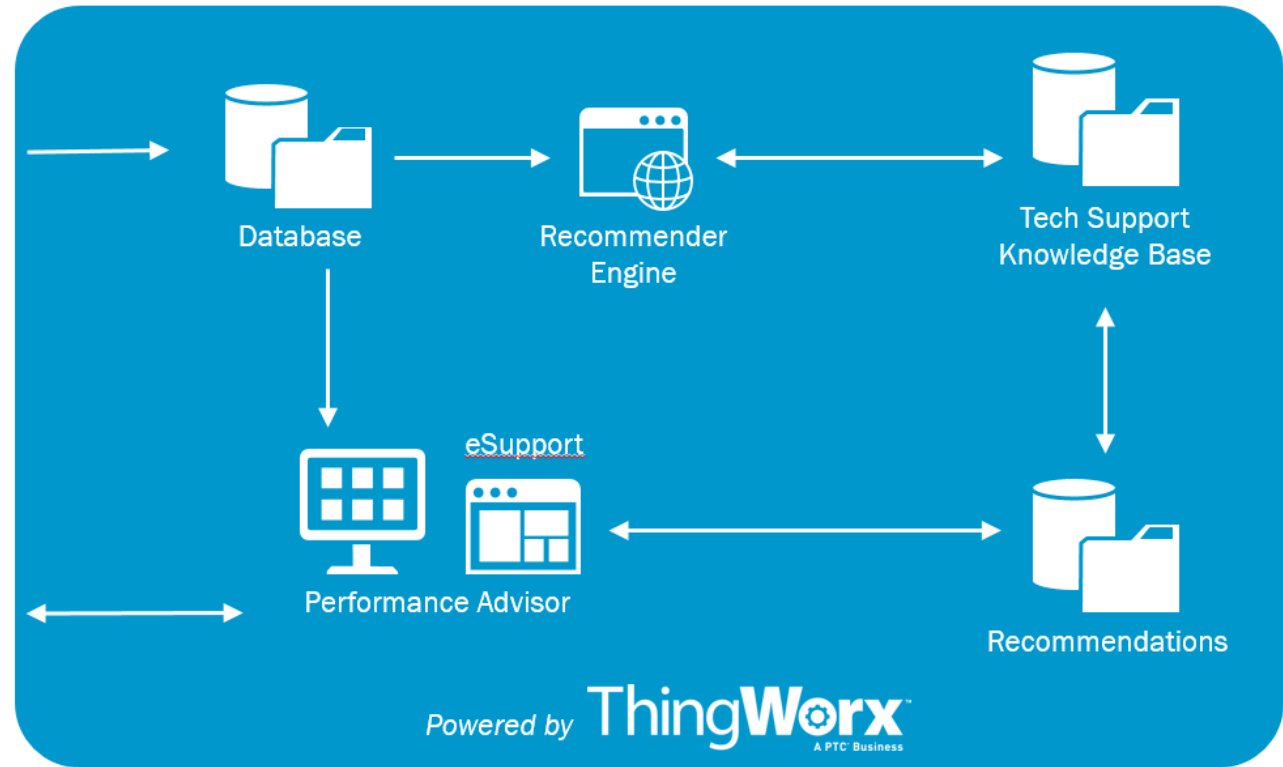
- Using IoT to better service and support PTC software
- Proactive Support – detecting issues before they become “issues”
- Configurable dashboards to help monitor systems configuration, usage and peer comparisons
- License and usage monitoring tools
- Private & Secure environment

Customer's
PTC Windchill
Servers



PTC Windchill
Administrator

PTC Support



BENEFITS

Increased end-user
productivity

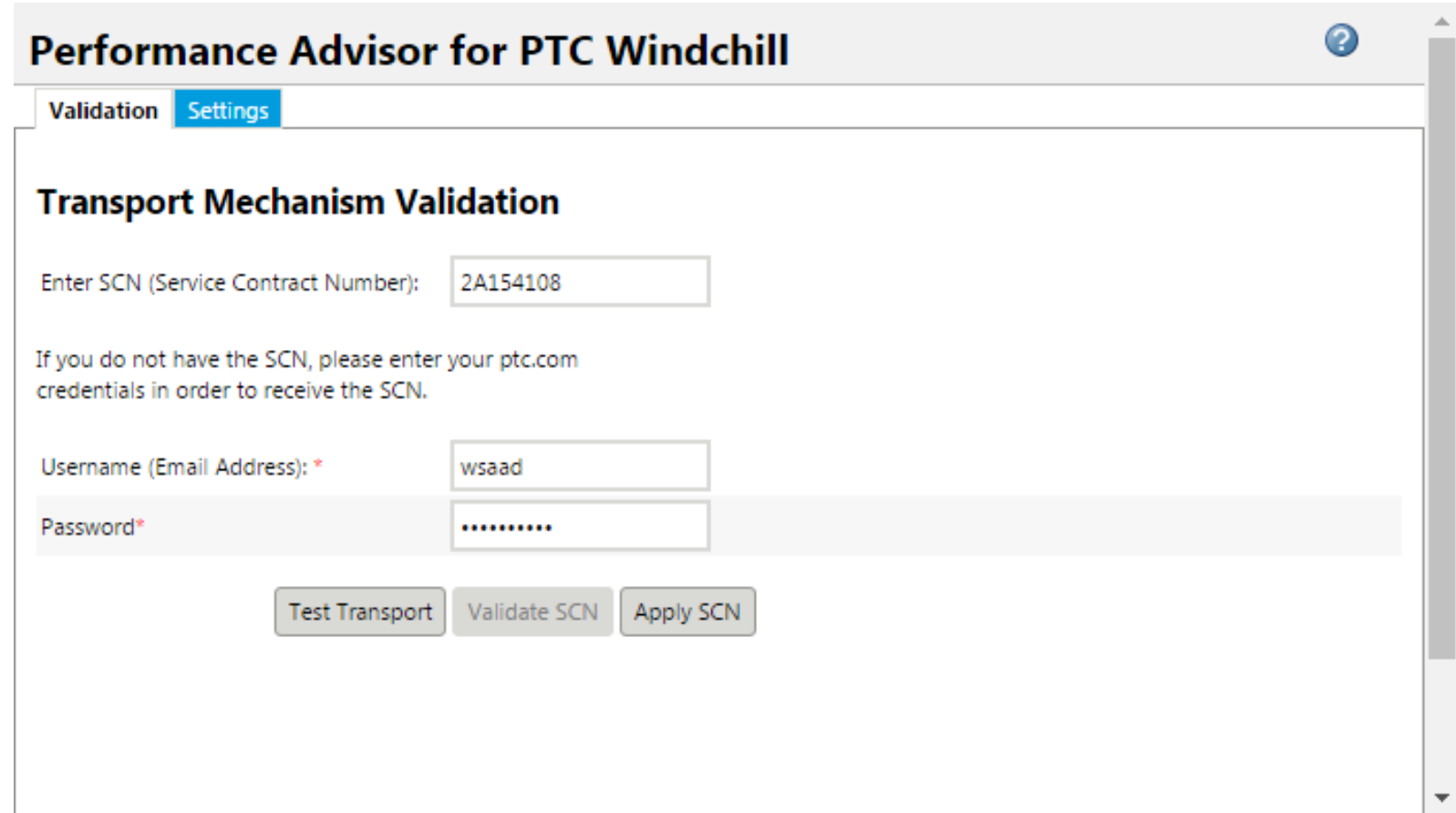
Decrease IT cost of managing
PTC Applications

Reduced incident rates

GET CONNECTED

- Setup
 - OOTB @11.0 F000
 - Deploy patch for 10.2 [M020](#) and [M030](#)
 - Validate and Set your SCN

Site > Utilities > Performance Advisor for PTC Windchill



Performance Advisor for PTC Windchill

Validation Settings

Transport Mechanism Validation

Enter SCN (Service Contract Number):

If you do not have the SCN, please enter your ptc.com credentials in order to receive the SCN.

Username (Email Address):*

Password*

PERFORMANCE ADVISOR FOR PTC WINDCHILL



GET CONNECTED

- Setup
- Configure
 - Opt-In
 - Enable data sources and frequency
 - Preview Data

Site > Utilities > Performance Advisor for PTC Windchill

Performance Advisor for PTC Windchill ?

Validation **Settings**

Data Category Settings

Do you want to use the Windchill Transport Mechanism to send data to PTC?

Yes, I want to send data to PTC.

No, I don't want to send data to PTC.

Data Type ▼	Description	Frequency	Enabled?
Windchill System Information	Gather Windchill configuration and preferences information	Weekly ▼	<input checked="" type="checkbox"/>
Windchill Properties	Gathers all Windchill Xconf files as specified in xconfPluginConfig.xml from all Cluster nodes	Daily ▼	<input checked="" type="checkbox"/>
Windchill Performance Metrics	Gathers diagnostic and metric information associated to long running database statements and transactions. Error messages, exceptions and cache information is gathered as well.	Daily ▼	<input checked="" type="checkbox"/>
Windchill Database Statistics	Gathers database size, indexes and other statistics.	Weekly ▼	<input checked="" type="checkbox"/>
Windchill Configuration Assistant	Gathers Windchill Cache statistics and analysis	Weekly ▼	<input checked="" type="checkbox"/>
License Usage Report	Generates a Windchill license usage report for the given time period	Monthly ▼	<input checked="" type="checkbox"/>

PERFORMANCE ADVISOR FOR PTC WINDCHILL



GET CONNECTED

- Setup
- Configure
- Access
 - Go to support.ptc.com
 - 1. Select “My Company”
 - 2. Select “Add Portlet”
 - 3. Select “My Connected PTC Products”

The screenshot shows the PTC support portal interface. The top navigation bar includes the PTC logo, a language selector (EN), and links for STORE, MY ACCOUNT, and LOGOUT. Below the navigation bar, there are links for Why PTC, Solutions, Products, Services, Communities, and Support. The main content area features a breadcrumb trail (Home > Support) and a welcome message. A red circle with the number 1 highlights the 'My Company' button in the navigation menu. Below this is a banner for a UX Lab session. A search bar is present, with a red circle and the number 2 highlighting the 'Add Portlet' button. Underneath, there are buttons for Customer Support Guide, Contact Support, Manage Licenses, Download Center, and Add Portlet. The 'My Connected PTC Products' section shows three portlets: Performance Advisor for PTC Creo, Performance Advisor for PTC Windchill (highlighted with a red circle and the number 3), and Performance Advisor for PTC Integrity Lifecycle Manager. An inset window shows the Performance Advisor for PTC Windchill dashboard, which includes a 'CONNECTED WINDCHILL SERVERS' section with a count of 2, a 'LICENSE USAGE' bar chart, a 'PRIMARY BUSINESS OBJECT GROWTH RATE' table, and a 'RECOMMENDATIONS' section with 2 New, 1 Tracking, and 1 Snoozed items.

Object	Count	Change In Count
CAD Documents	5000	▲ 2454
Change Requests	0	▲ 0
Documents	65	▲ 53
Parts	1100	▼ -317
Problem Reports	0	▲ 0

LEARN MORE



Steve Shaw
PTC
GPD Solutions Director
GPD Solutions Director

Thursday June 9th
8:30 – 9:15 AM Room 211

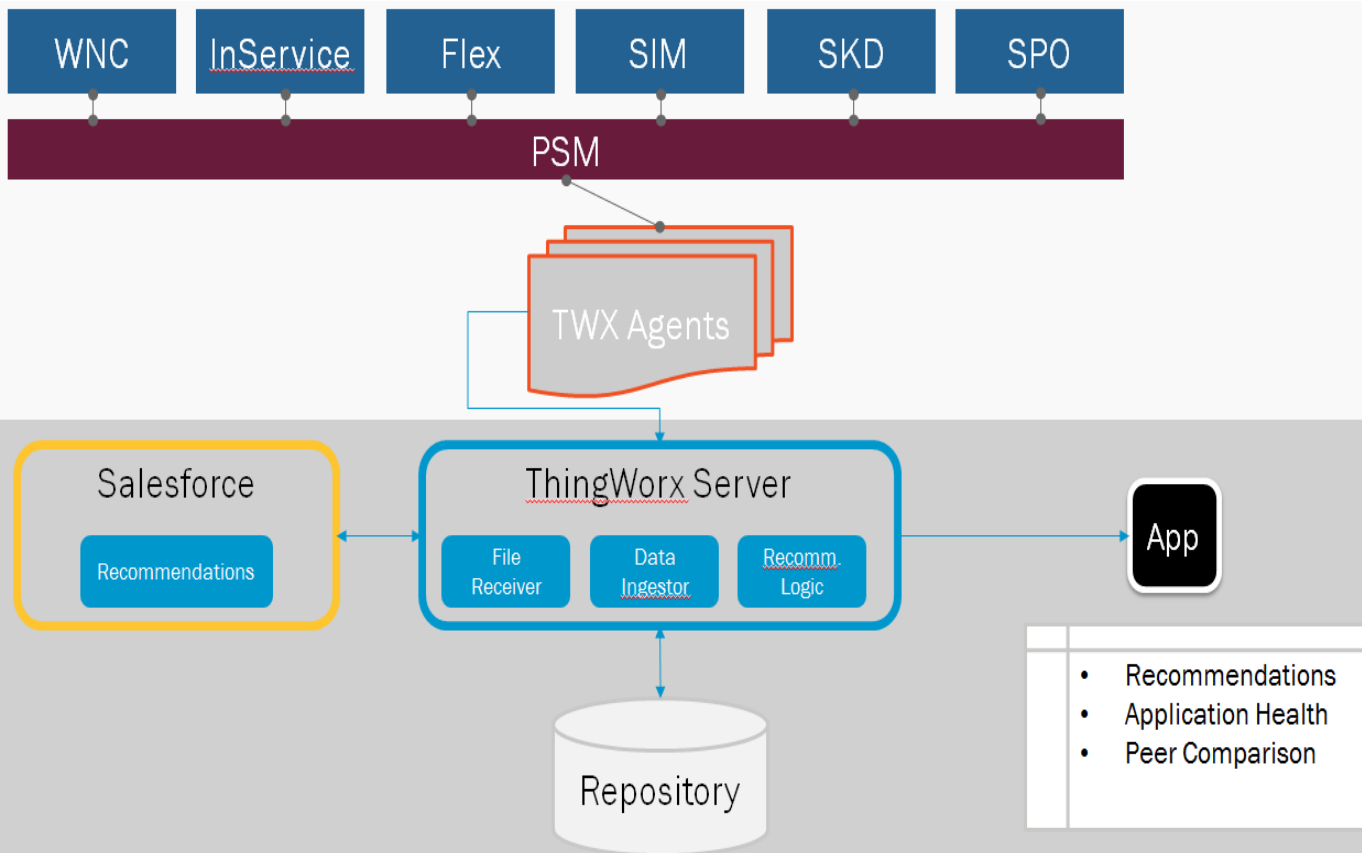


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Director of Product Management at PTC

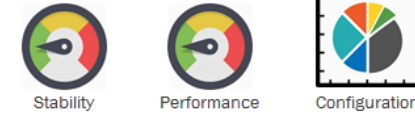
Join the conversation

- Help shape its direction
- Find out more
- Converse with other users & PTC
- How to join
 - Go to → <https://www.ptcusercommunity.com/>
 - Browse → Groups
 - Search for “Performance Advisor for PTC Windchill”
 - Select “Join Group”

CONNECTED PTC SYSTEM MONITOR

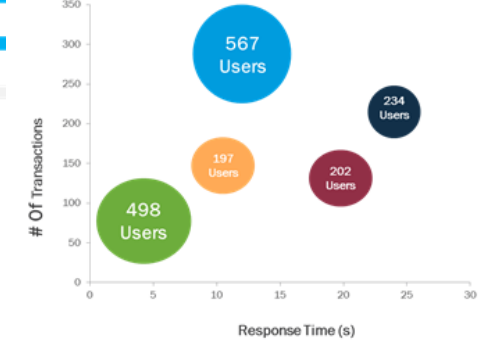


Application



Performance

Feature	Percentile	Peer Average	Your Average	Min Avg	Max Avg
Create Part	78 th	89s	120s	29s	350s
Publish Part	95 th	245s	190s	50s	300s
Create Change Notice	5 th	2s	4.5s	3s	34s



Feature	Average	Min	Max
Create Part	120s	2s	230s
Publish Part	190s	2s	287s
Create Change Notice	4.5s	3s	34s

Fall 2016

Common Platform for PTC Products

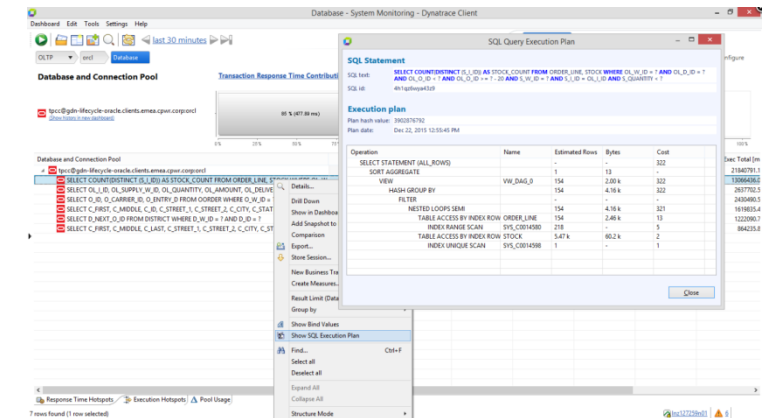
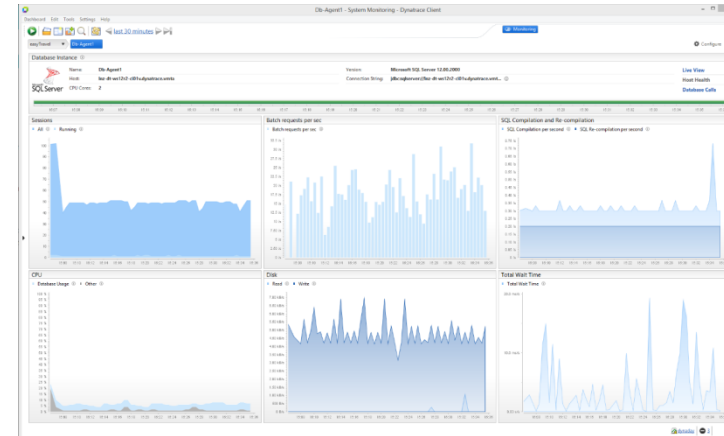
Feature Usage

Peer Comparison

PTC SYSTEM MONITOR 5.0



- Windchill Monitoring Improvements
 - Optimized sensors
 - New Infrastructure monitoring dashboard
 - Email Plugin improvements
 - Critical Install and System Profile fixes
- New Database Monitoring
- New Support
 - Servigistics SPO 6.2
 - InService 6.3



July 2016

Windchill 10.0 +

Java 8

Built on dT 6.3

PLATFORM UPDATES

PLATFORM UPDATES



- Support for Oracle 12c Data Guard feature
 - Automatic failover to a secondary DB
- Advanced configuration for DB Connect String through the installer
 - Installer validates DB connection

The image features several colorful geometric shapes. On the right side, there is a large, multi-colored starburst or fan shape composed of various triangles in shades of blue, green, yellow, orange, pink, and purple. Scattered across the white background are several thin, elongated triangular shapes in blue, pink, orange, and green, some pointing towards the text.

LIVE WORX16

TAKE A FRESH LOOK AT THINGS

liveworx.com