

PTC* Live Global

Who Are We



Advancing science for life™

MISSION:

Boston Scientific is dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world.

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About Us

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35 years of innovative solutions for patients and physicians

- · Our journey of innovation began in 1979
- · A World Wide Business
- · HQ in Massachusetts
- 11 Medical Specialties
- 16+ Health Conditions
- 70+ Product Categories
- 25,000+ Employees
- \$8+ Billion in Sales



Our Journey Began

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Our Journey

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Started with an Aging PLM Solution needing a Replacement

- Athena Document management System
- PTC Windchill 8 / 9
- 10+ Years Old Un-supported platform
- 17000+ Demanding Users
- 3+ TB of Metadata
- 17+ TB of Documents Pushing Storage to its Limit
- Multiple PLM Vendor Choices
- Many Technology Choices





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We Believe PTC' Live Global



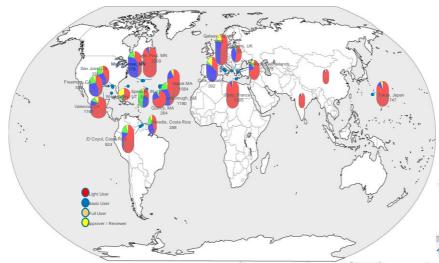
Windchill 10.2. M30 CPS 03			
PDMLink	Platform Structures		
ProjectLink	Nonconformance		
PTC Creo View – Clients	Customer Experience Management		
MPMLink	Info Engine		
Information Modeler	CAPA		
Common Base	UDI		
Quality Management System	Windchill Bulk Migrator 4.0-M020		

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Our Reach

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World wide....



17000+ Users....

Our Team

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Project Work streams

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Right SMEs at Right time

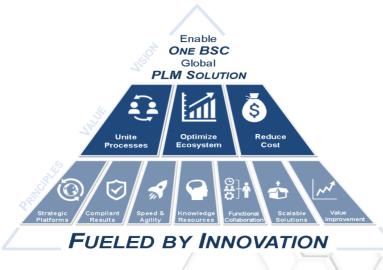


Our PLM CoE

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PLM CoE Strategy

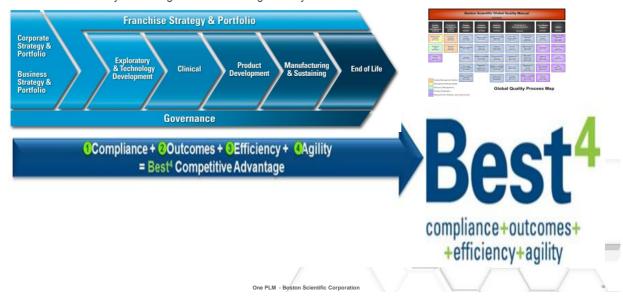
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PLM Business Strategy Influences

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Unified Product Lifecycle Management with a single ecosystem at the lowest cost to BSC



PLM CoE Platform Capabilities & Services

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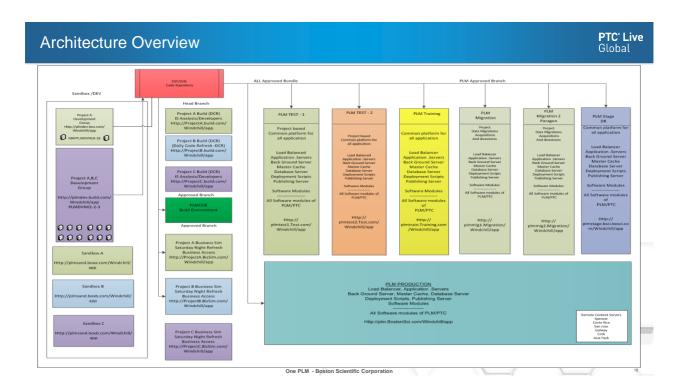
Activity	Unified PLM	Connect PLM	Other PLM
Project Intake	Υ	Y	Υ
Acquisition Assessment and Solution Definition	Υ	Y	Υ
Vendor Management	Y	Y	N
CoE Release Planning	Υ	Y	N
Platform Upgrade Roadmap	Y	Υ	N
Functional Review Board (FRB)	Υ	Υ	Р
Cross Program Risk & Issue Management	Y	Y	Y
Environment Planning and Management	Υ	Р	Р
High Level Design	Υ	Y	Р
Solution and Data Architecture Alignment	Υ	Υ	Р
Code Review	Υ	Р	N
Customization Review	Υ	Υ	N
Build and Deploy Planning and Execution	Y	N	N



Y - In Scope, N - Not in Scope, P - Partially in Scope



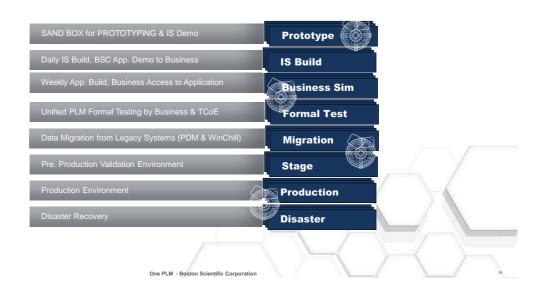
Our Architecture

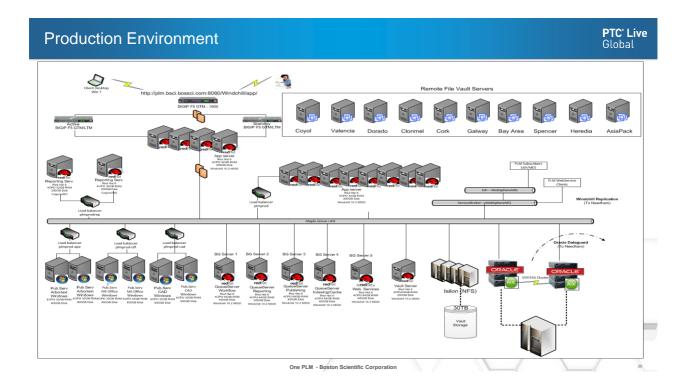


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ENGINEERD

TO WORK TOGETHER





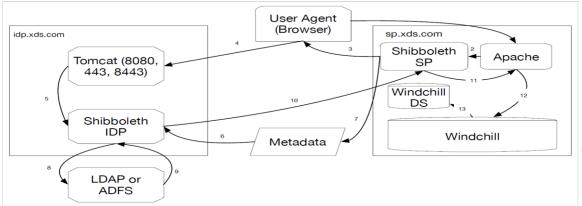
- · Application Performance Tools
- Single Sign on
- Load Balanced
- Application Cluster
- Publishing
- BGMS
- · Remote Vaulting
- · Cognos Reporting
- · High Availability Database
- Disaster Recovery



SSO

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Multiple Domains

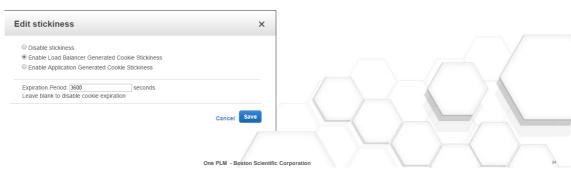
- External Users / Internal Users
 - » User Principle Name
 - » Service Principle Name



Load Balanced PTC Live Global

F5 Load Balancer in Use





· Identical Node Cluster



App/Vault server Red Hat 6 4CPU 32GB RAM 5000GB Disk Windchill 10.2 M030



App server Red Hat 6 4CPU 32GB RAM 200GB Disk Windchill 10.2 M020



App server Red Hat 6 4CPU 64GB RAM 200GB Disk Windchill 10.2 M020



App server
Red Hat 6
4CPU 32GB RAM
200GB Disk
Windchill 10.2 M020
Background Server 1



App server Red Hat 6 4CPU 64GB RAM 200GB Disk Windchill 10.2 M020 COGNOS Host



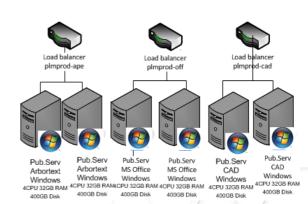
App server Red Hat 6 4CPU 64GB RAM 200GB Disk Windchill 10.2 M020 WBM Host

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Publishing

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- · Dedicated Office Publishing Servers
- · Adobe LiveCycle Software for Watermarking
- · Dedicated CAD Publishing Servers



Background Method Servers (BGMS)

- · Dedicated Processing Power
- · Enhancing End user Experience in Queue Process
- · Custom Report Queues to Offload heavy Reports



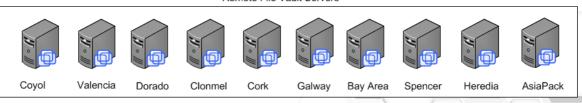
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Remote Vaulting

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- · Remote Vaults to Enhance End user Experience in
 - Check-in/Check-out
 - Download Content
 - Revaluating rules to synch

Remote File Vault Servers



- · Cognos Enables a Better UI for Users
- · Dedicated Cognos Host
- · Shared File Mount
- · Cognos Gateway on ALL Windchill Cluster Nodes





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High Availability

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- Oracle 11g Database
- · A Cluster Database Hosts for High Availability
- Veritas Clustering Software For Active/Passive Cluster
- · EMC Data Domain for Backup and Recovery
- · RMAN Backup Solution for better Up-Time



Disaster Recovery

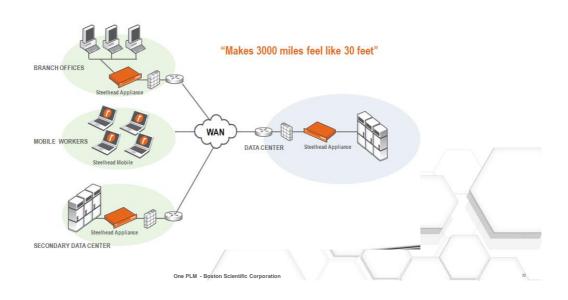
- · Separate Disaster Recovery Environment
- · Sized to Support Production Volume
- DR Hardware is Designed to use for Staging for a Better Value
- LDAP on DR is replicated real-time
- · Database replication using Oracle Data Guard
- 12 Hour Lag to Synch Data to minimize errors
- Real-time Vault Synchronization



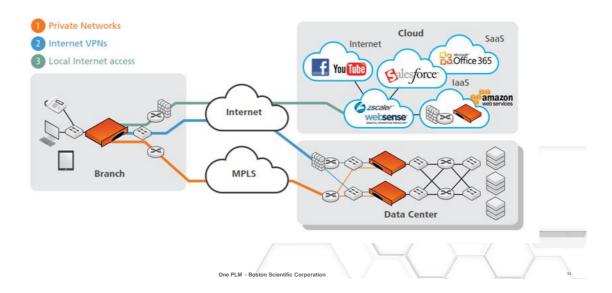
Application Performance Tools (Riverbed)

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Riverbed Solution



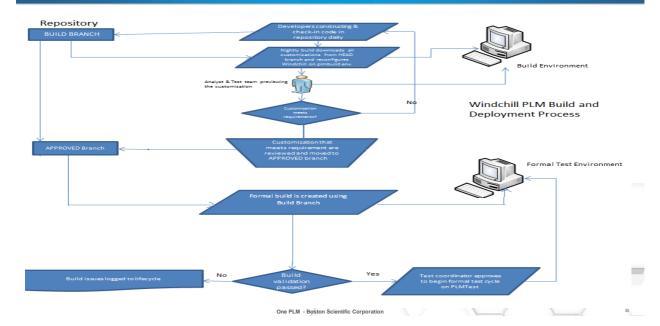
Riverbed Solution



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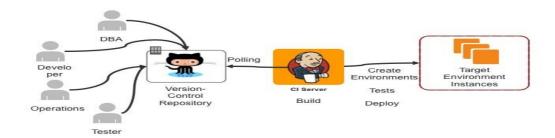
Our Release Management

Saketh Mathur



Continuous Integration (CI) tool

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- · Web based simple tool.
- · Open source tool.
- · Automates build and deploy process based on event/time/ad-hoc.
- · No need to log into target servers to deploy builds.
- · Ability to store historical logs.
- · Ability to notify if job fails.
- Ability to support deployment on clustered environments.
- · Ability to integrate with code review plugins.
- Ability to execute JUNIT Code.
- · Execute shell script or bat file on target server.
- Eliminates risk of human errors during manual build and deploy process.
- Reduces human effort!

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Contact us

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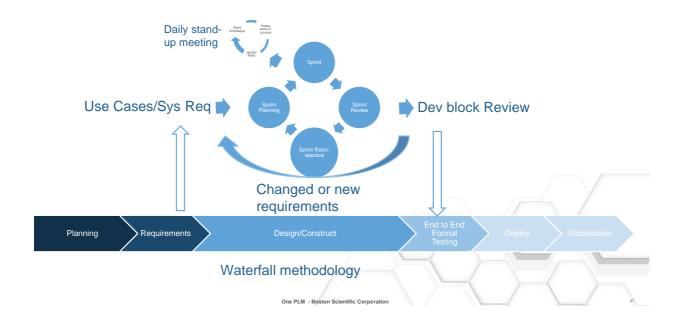




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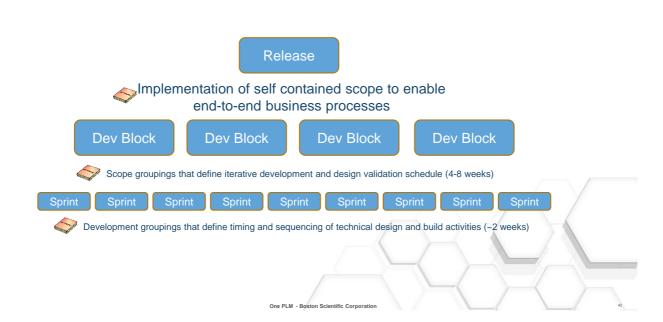
Our Development Approach

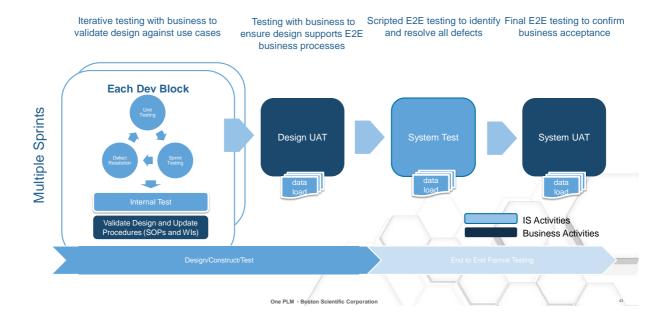
Development Approach - Modified Agile Development (Scrumbut)



Development Approach (Cont.)

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- · 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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