

# Software Configuration Management

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# Agenda

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- Pain Points
- Profile of SCM
- Introduction to Roundtable TSMS



# Development Demands

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- Shrinking budgets (time and money)
- Shorter development cycles
- Auditing requirements
  - Governance (corporate policies)
  - Compliance (SOX, ISO, others)



# Challenging Chores

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- Deploying new releases
- Supporting previous releases
- Managing customizations



# What's Needed?

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- Higher productivity
- Improved accuracy
- Monitor and manage changes



# Software Configuration Management

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**"Software Configuration Management is the heartbeat of any serious software development effort. One would not start mass producing a car without first building a factory and defining the production line. SCM is THE factory for software development. It is the discipline, based on the principles of the manufacturing industry that brings repeatable, high-quality production to your software applications"**



# Software Configuration Management

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- Software Configuration Management (SCM) is the discipline of managing the entire life cycle of a software project.
- Attitudes, Processes and Tools



# Significant Numbers

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- 62% Projects failed to meet schedules
- 49% Projects had budget overruns
- 47% Projects higher-than-expected maintenance costs





# SCM Activities

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- Configuration Identification
- Configuration Control
- Configuration Auditing
- Configuration Status Accounting



# Configuration Identification

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- Uniquely identify the component items of the application
- Define the hierarchy of the items (physical and functional)
- Identify and demarcate application configurations



# Configuration Control

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- Establish configuration security
- Manage application changes
- Define workflow (promotion of changes)



# Configuration Auditing

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- Ensure existence of required components
- Utilizes Configuration Identification
- Review configuration changes



# Configuration Status Accounting

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- Identify changes made to a configuration
- Identify work in process



# More Numbers

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- 41% Projects did not deliver ROI
- 25% Cancelled before completion
- 80% IT budgets spent on self-inflicted problems



# SCM Benefits & Justifications

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- Lower development costs
- Increased project visibility
- Improved communication
- Product audit capability
- Quick response to changing requirements
- Formal quality assurance cycles



# Introducing Roundtable TSMS

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**Roundtable Total Software Management System is a team-oriented extension for the OpenEdge Studio and OpenEdge Architect development environments that provides Software Configuration Management and developer productivity tools.**





# What Roundtable Users Say

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- “Using Roundtable provides us with a significant increase in productivity.”
- “Roundtable has enabled us to keep our development team very lean - while managing a very complex application”
- “The Alfa project wouldn’t have been possible without Roundtable. It would have been total chaos.”



# For More Information

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- Visit

[www.roundtable-tsms.com](http://www.roundtable-tsms.com)

- Contact

Tugboat Software at: 800-777-3581

