# Accenture Industrialization and Innovation with Rational Team Concert

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# Today's discussion

- Opportunities in Global Delivery

- What is Industrialization

- Industrialization at Accenture

- Automation tools

- Rational Team Concert deployment

# Opportunities in Global Delivery

Addressing business challenges requires a focus on industrialized delivery to increase predictability, quality and productivity—providing greater value to the organization.

- Cost and effort savings

- Consistent and better quality

- Ability to focus on more strategic or core business activities

- Increased productivity

- Greater capacity and better availability of skills

- Improved and predictable schedules

- Specialized and engaged workforce

# What is Industrialization?

Industrialization focuses on significant productivity and quality improvement in the development and maintenance of technology systems.



Industrialization is delivering technology services and projects using standard, proven process and tools that are based on:

- the right standards
- optimized workflows
- business goals to drive improved delivery outcomes

# Industrialization at Accenture

At Accenture, we understand that true industrialization goes to the heart of business value—taking a company beyond "standard" work to efficient and effective work.

We measure success and identify opportunities for continuous improvement and expansion, including innovative approaches to technology delivery and software development.
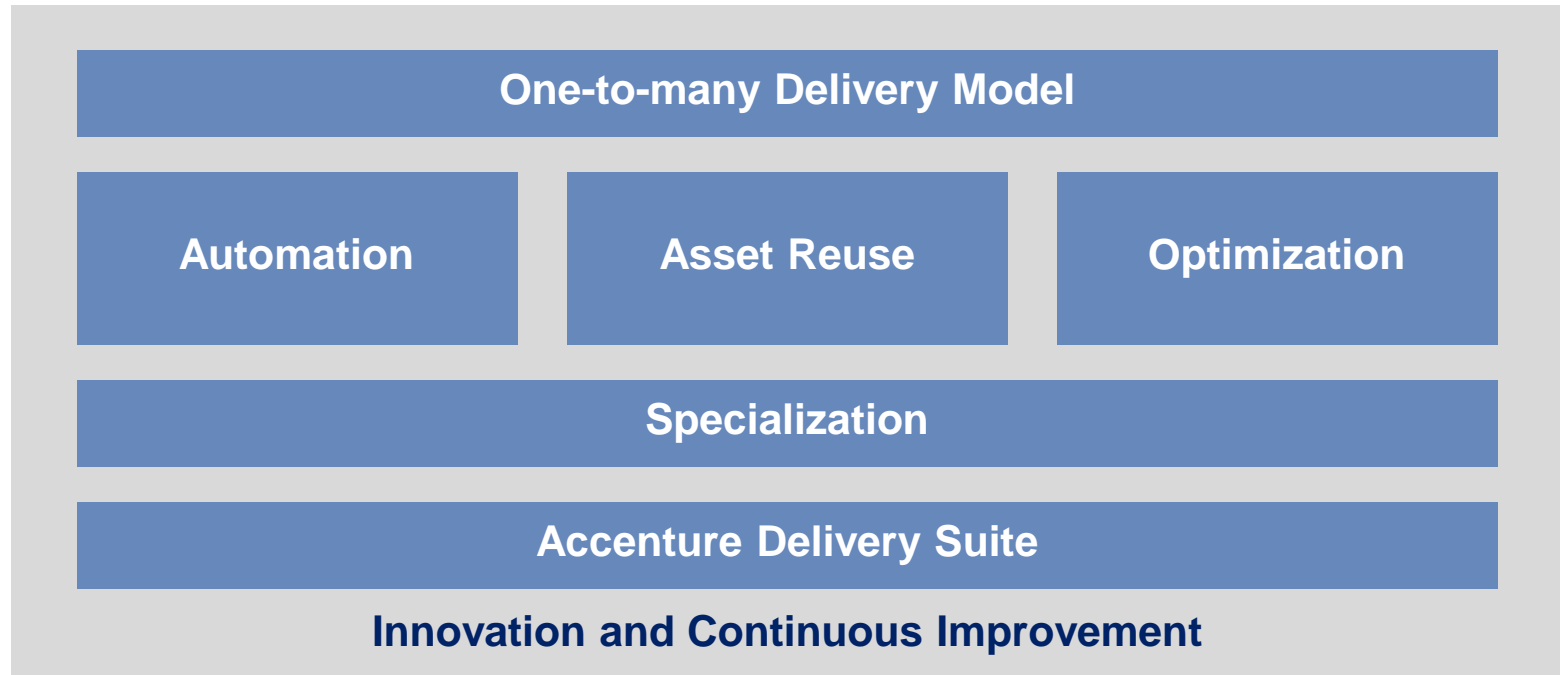
Accenture's integrated industrialization program results in world-class solutions for clients and is a key differentiator.

# Accenture Integrated Industrialization Program

Our industrialized breadth of capabilities focus on certainty of outcome, radical productivity and quality improvement through:

**One-to-many Delivery Model**

**Automation**   **Asset Reuse**   **Optimization**

**Specialization**

**Accenture Delivery Suite**

**Innovation and Continuous Improvement**

# Automation tools

Accenture helps clients reduce the effort to deliver through the use of field-tested tools that automate repetitive, time-consuming tasks—reducing implementation time during development by 10-35%, and improving execution consistency and quality.
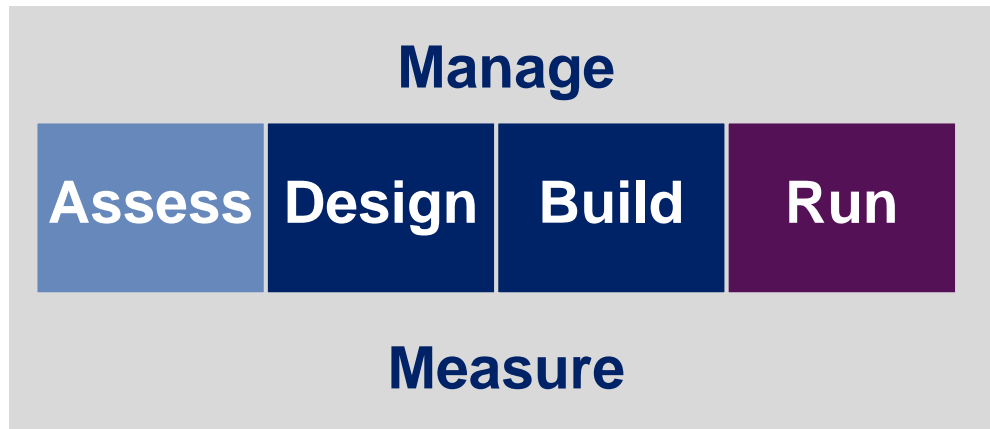
## Enablers

- Common Management Tools

- Automation Blueprints and Tools

- Delivery Tooling Research

# Accenture Delivery Tools across the delivery lifecycle
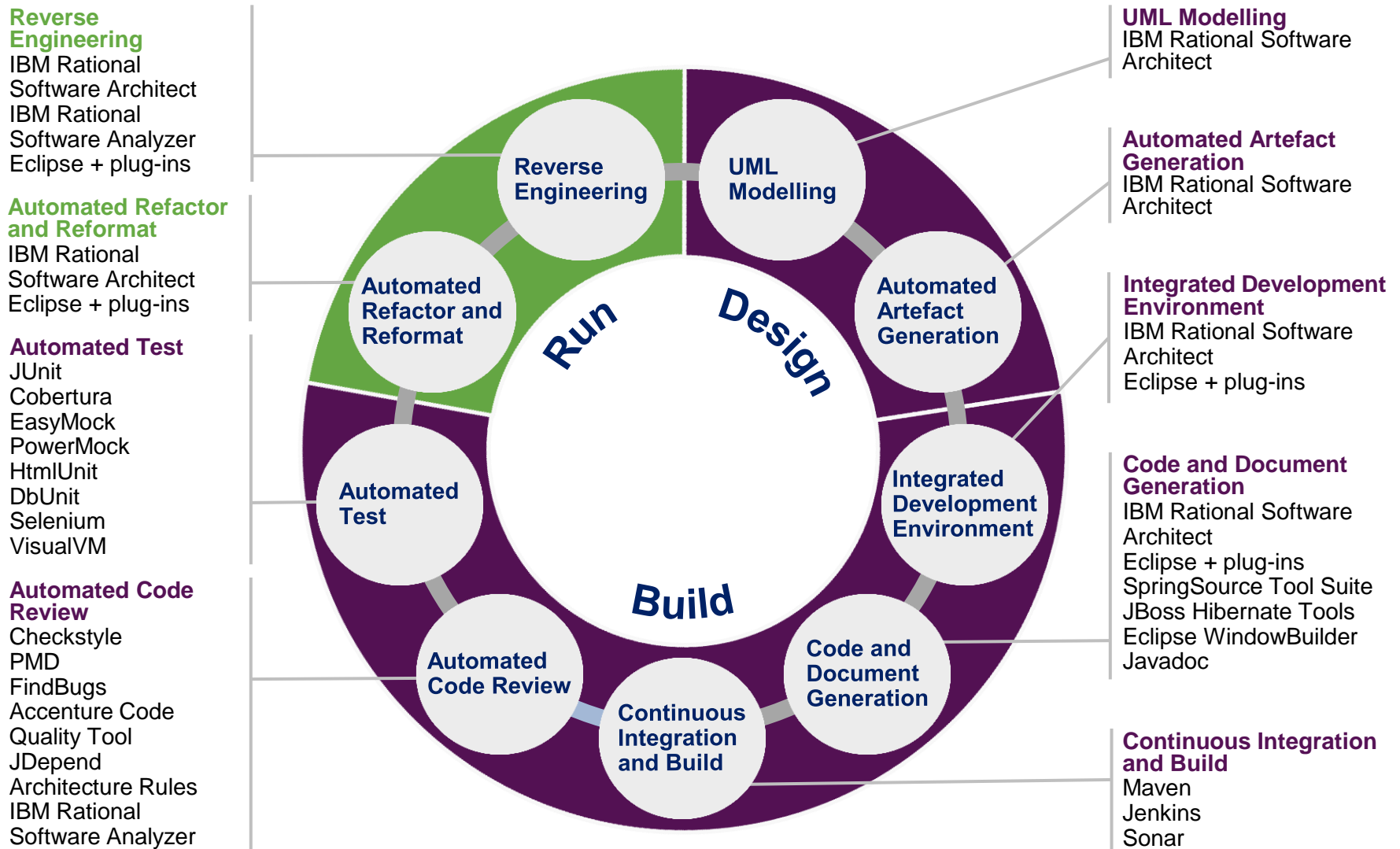
Accenture Delivery Tools automate and streamline engagements in a collaborative way regardless of size, type or complexity.

**Manage**

| Assess | Design | Build | Run |
|--------|--------|-------|-----|

**Measure**

- Program, Project and Service Management
- Lifecycle Management
- Testing
- Performance Testing
- Metrics and Reporting

# Behaviors summary and recommended tools – JAVA blueprint example

**Reverse Engineering**
IBM Rational Software Architect
IBM Rational Software Analyzer
Eclipse + plug-ins

**Automated Refactor and Reformat**
IBM Rational Software Architect
Eclipse + plug-ins

**Automated Test**
JUnit
Cobertura
EasyMock
PowerMock
HtmlUnit
DbUnit
Selenium
VisualVM

**Automated Code Review**
Checkstyle
PMD
FindBugs
Accenture Code Quality Tool
JDepend
Architecture Rules
IBM Rational Software Analyzer

**UML Modelling**
IBM Rational Software Architect

**Automated Artefact Generation**
IBM Rational Software Architect

**Integrated Development Environment**
IBM Rational Software Architect
Eclipse + plug-ins

**Code and Document Generation**
IBM Rational Software Architect
Eclipse + plug-ins
SpringSource Tool Suite
JBoss Hibernate Tools
Eclipse WindowBuilder
Javadoc

**Continuous Integration and Build**
Maven
Jenkins
Sonar

Reverse Engineering • UML Modelling • Automated Artefact Generation • Integrated Development Environment • Code and Document Generation • Continuous Integration and Build • Automated Code Review • Automated Test • Automated Refactor and Reformat

Run • Design • Build

# Rational Team Concert deployment

Accenture deployed Rational Team Concert to further industrialize our Outsourcing business—in addition to supporting large, complex application development teams.

**Full Collaborative Lifecycle Management (CLM) suite piloted**

**Rational Team Concert released to support Delivery Management functions for all engagement types**

**Tooling to support Outsourcing and Systems Integration built on Clearquest and Clearcase**

**Outsourcing and Systems Integration aligned into a single Technology platform**

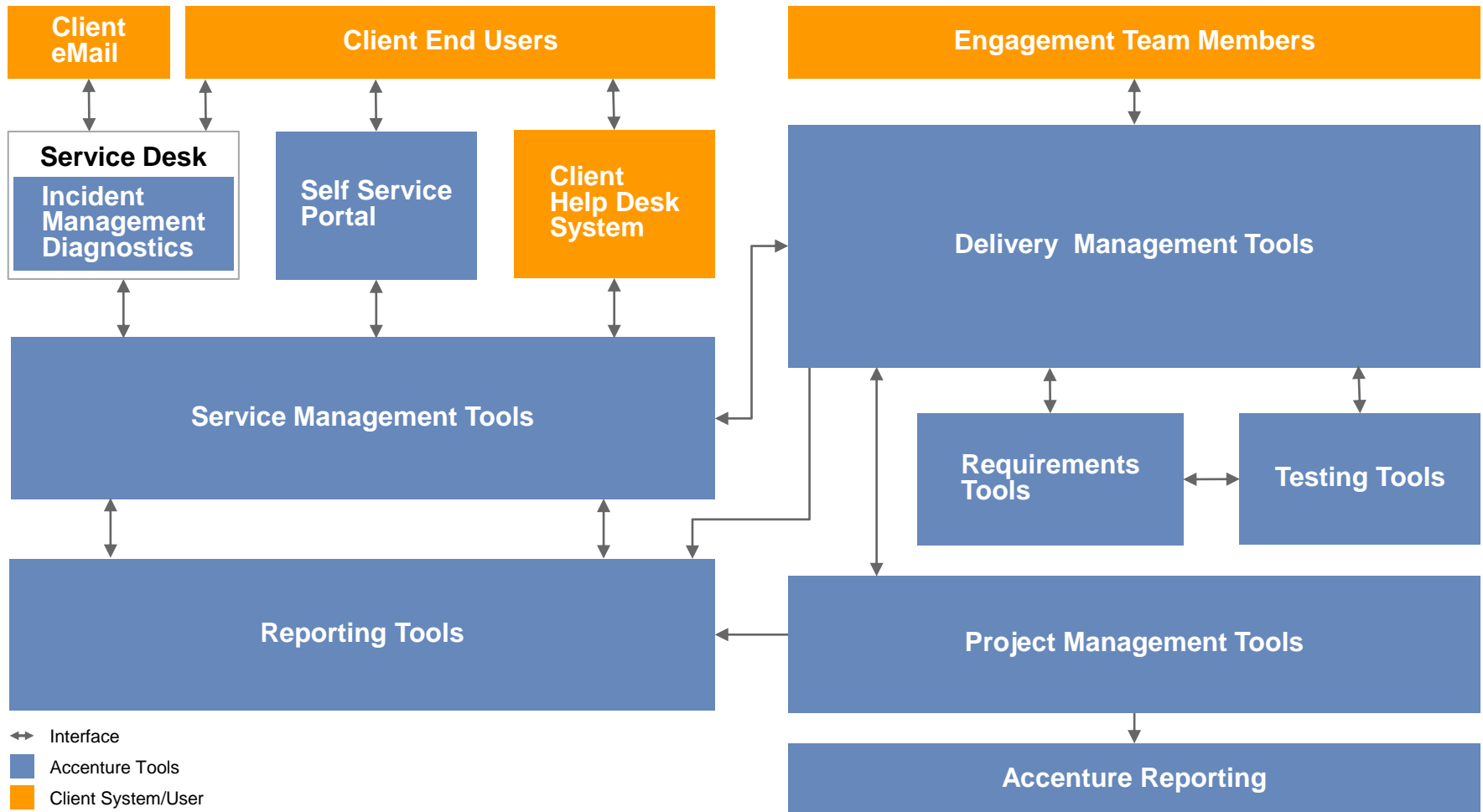**Rational Team Concert v1 adopted for Agile engagements**

**Tools blueprint to support Packaged Development released**

**Rational Tools selected – initially supporting Custom Development**

# Integrations between Operations and Delivery are key to success

Our tools integrate within the client environment to support key business functions.

# Rational Team Concert deployment benefits

Accenture has deployed Rational Team Concert to more than 100 Outsourcing engagements, many with over 1,000 users—some of which have converted data from legacy Delivery Management solutions.

- Significant increase in end user satisfaction
- Lower total cost of ownership
- Decreased deployment time
- Increased quality and stability

# And, now it's your turn