Reduce Costs and Transform Application Development with CA Software Change Management

CA Technologies has decades of experience in software change management. Thousands of developers and administrators rely every day on CA Endevor® Software Change Manager (CA Endevor® SCM) for mainframe change management and CA Harvest Software Change Manager (CA Harvest SCM) for distributed software change management. Your software assets are invaluable to your organization. Updating them must be done with great care and all changes must be auditable. These SCM solutions provide software lifecycle checkpoint and promotion functionality that includes snapshots of current or prior versions of all files and the promotion of current file versions. And you can drill down into the change history of each file to quickly determine who made what changes and when they made them. This is especially important for auditing and compliance mandates. With thorough inventory management, business-driven authorization requirements and electronic approval capabilities, these solutions protect software assets, helping to maintain industry best practices and compliance standards while keeping organizations better equipped to address software change audits.

Business challenges

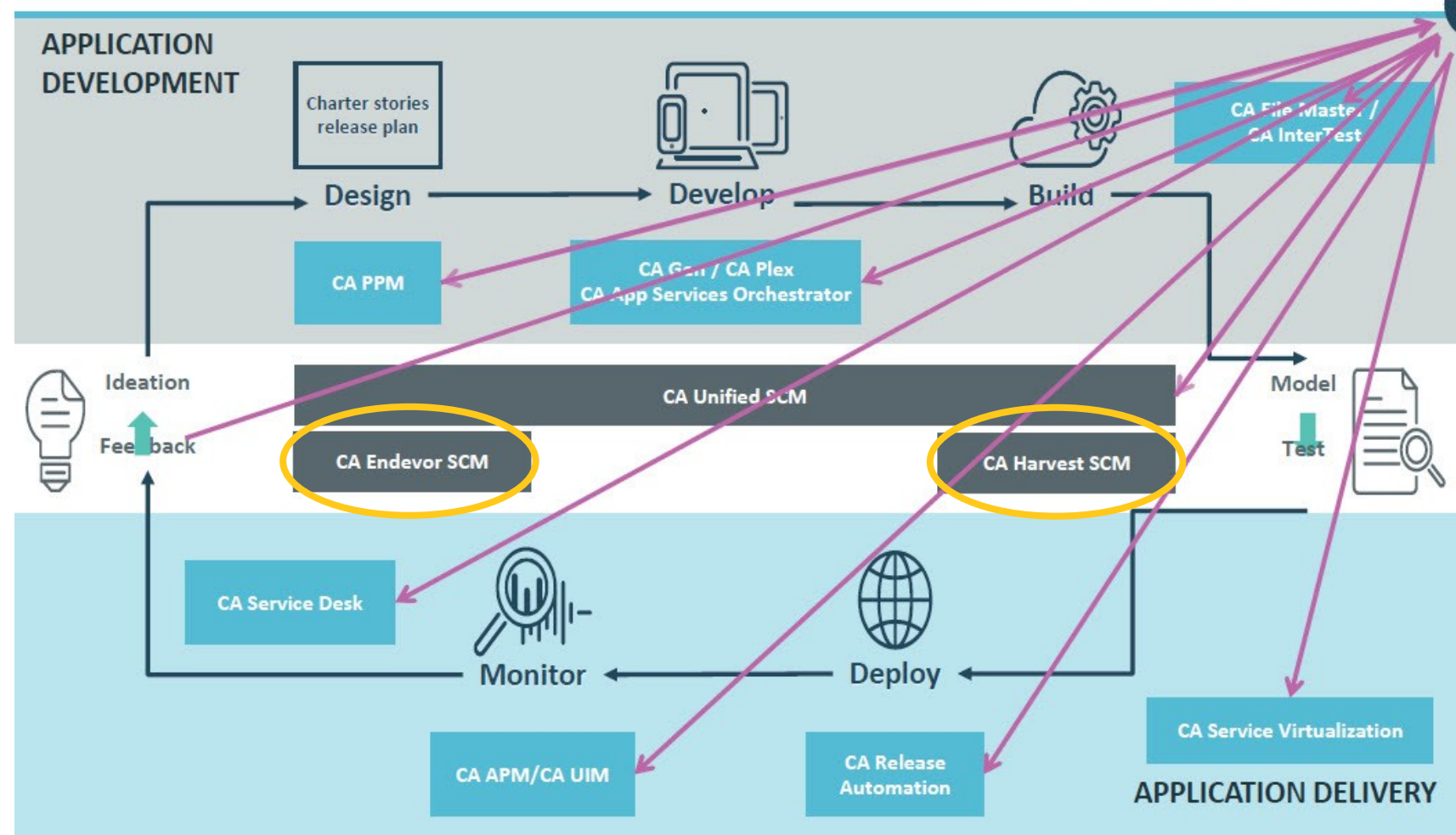**Inefficient change management processes still exist.**

Developing critical application changes quickly is not easy. With business services depending on the results of this process, every bottleneck, non-reconcilable build, inadvertent merge or resource deficit can increase the risk of lost revenue and regulatory compliance fines.

Organizations struggle to manage a large portfolio of applications that span multiple platforms. These benefit from a structured methodology for application development that speeds the release of new and updated applications, limits risk and helps you modernize your portfolio? Are you eager to expose the customized logic that drives your business to Web and mobile users?

Marquee benefits yielding **$1.1M** per year in savings are detailed on the reverse side of this document in order to show examples of business value achievable through this CA SCM approach

For more information, please visit
ca.com/software-change-management

Software Change Management - central components in Application Lifecycle Management

Key features

Inventory Management - track and manage your source code

Change Management - provide total audit trail of changes

Build Management - streamline and mange the build process

Configuration Management - track the relationships between your components

Release Management -- Control and approve the movement of your code through the life cycle

Concurrent Development - prevent and regression and maintain code integrity

CA Endevor® SCM

- Centralized control and greater automation
- Decreased development time with increased product quality
- Integrates with multiple products
- Modernizes and aligns implementations with SCM industry best practices
- Advances productivity for a new generation of Eclipse-ready application developers

CA Harvest SCM

- Platform differentiation
- Business intelligence reporting
- Project database management
- Process management
- Defect tracking

Key benefits and results

- **Mobile device capabilities.** Securely authorize software changes from hand-held devices
- **Management for substantial work items.** Sizable supported vendor/in-house application files
- **Extended IDE plug-in capabilities.** More actions for real-time workspace synchronization
- **More installation options.** Full automation for client and server installation on select platforms

technologies

Business Value Estimations

CA Endevor® SCM/CA Harvest SCM (CA SCM) benefits can be quantified via a wide range of benefit scenarios. A selection of these is listed below to show common areas measured.

Business Value Proposition	Business Value Enabler	Specific Measurement	Solution Area	Impact [1] Range	Key Resources Affected	Average [2] Resource Value	Projected [3] Savings / year
Improvement in Systems Management	The Customizable Reporting, Build Management and Version Management features of the CA SCM solution will result in an improvement in CCM activities which will subsequently reduce the company's systems management costs	Cost reduction in application development resource labor	Software Change Management	10-12%	Application Developer FTEs	55	$544,500
Reduced Complexity of Development Environment	Reduced effort by App Dev FTEs in managing interrelated products, processes, and functions in the application lifecycle through automation and enforcement processes for tracking & audit	Cost reduction in application development resource labor	Software Change Management	4.25- 4.75%	Application Developer FTE	55	$222,750
Improved Development Maintenance Effort	Reduced effort by App Dev FTEs by integrating products through centralized administration and version management features, including software access and retrieval, and tracking bugs and fixes	Cost reduction in application development resource labor	Software Change Management	2-4%	Application Developer FTE	55	$148,500
Faster Time-to-Market from Faster Application Development	Speed time-to-value of revenue impacting project efforts through improved insight to development activities by allowing users to affect, track and view all SCM processes from an enterprise console	Annual incremental revenue from projects	Software Change Management	2-4%	Annual Revenue per New Application	$1,000,000	$47,520
Reduced Risk of Project Failures	Improved insight to ongoing application development activities helps organizations avoid or reduce project failures through a traceability matrix that provides a unified view of enterprise change as the project moves through its life cycle.	Reduction in cost of project failures	Software Change Management	30-40%	Application Developer FTE	15% project failure rate avg. of 120 day projects	$34,020
Improved Development Lifecycle Management Productivity per CA Quick Edit	CA Endevor SCM Quick Edit enables you to shorten and reduce the steps in your lifecycle management process by providing a direct editing capability into CA Endevor SCM inventory. Using this tool, developers can quickly make their changes and save them instantly into CA Endevor SCM without taking any extra steps.	Cost reduction in application development labor	CA Quick Edit	80-90%	Software Change Edit Cycles	10 minutes/edit, 1 edit cycles per 250 work days	$87,656
Improved Productivity in the Compare and Merge Concurrent Development Process	An extension of CA Endevor SCM capitalizing on its comparison and change reporting capabilities, PDM can be used with CA Endevor SCM or stand alone. It is very easy to use with a short learning curve. It is used to help compare, report, and merge concurrent development back into a single source. When more than one person is working on the same source code, it helps in resolving production abends and preventing code regression.	Reduced time spent comparing, reporting, and merging concurrent application code into single source	CA Endevor SCM Parallel Development Manager (PDM)	78-83%	Compare & Merge Cycles	30 minutes/saved per 1 compare & merge cycles per week	$49,500

This table shows some **key benefits** of **CA Endevor® SCM/CA Harvest SCM, CA Endevor SCM Quick Edit, and CA Endevor Parallel Development.** Your CA Technologies representative can also share additional and more detailed ROI business case examples for this solution by engaging the CA Business Value Analytics Team. This team works with CA's customers to develop and analyze a comprehensive set of assumptions and environment specific metrics in order to build customized projective business cases.

1. The Impact Ranges shown above are estimations derived from the analysis of benchmark data which is a composite of data derived from industry analyst published information, interviews with subject matter experts and experiential data from prior projective analyses.
2. The Average Resource column shows resource values representative of those used in business case analyses by the CA Business Value Analytics Team.
3. The Projected Savings may be representative results for organizations whose Average Resource values are similar to those in this table. Labor rates for all FTEs are assumed to be $45/hour. Actual calculations may include additional parameters. Your CA Technologies representative can provide detailed benefit calculations for values in this column. The values expressed in this table are not a guarantee of achievable results and will vary depending upon your current infrastructure, people, and processes as well as the appropriate, effective implementation, adoption, and use of the CA solution.