

# Execute Faster and Higher Quality Deployments with CA Release Automation

Applications are a key component of modern business, and users of these applications regularly expect 24x7 availability with new and enhanced features released on regular basis. With CA Release Automation, companies can automate and standardize the application release process from development through production—stabilizing releases, reducing errors and improving deployment time. CA Release Automation seamlessly and cost-effectively integrates into your application lifecycle to provide zero-touch release promotion. It enables companies to accelerate application releases to market—on demand—with complete control and transparency of the entire deployment pipeline. Moreover, enterprise can start small and scale big to manage agile application deployment since CA Release Automation easily handles hundreds of complex, multi-tier applications across thousands of server and cloud platforms.

## Business challenges

Continuous delivery is a journey and application release automation (ARA) is its lynchpin. Getting agile applications to market can be fraught with risk and delays due to manual release steps, time-consuming script maintenance, a disjointed toolchain and disconnected Dev, Test and Ops teams. Companies typically start small, automating releases for a single project or team and then scale to apply continuous delivery practices enterprise-wide. Along the way, adopting and mastering the ARA tools and processes to ignite and advance continuous delivery is non-trivial. In particular, many enterprises struggle with:

- **Pressure to deliver more, faster.** To keep pace with demands for new features and updates, the volume and velocity of releases must grow and include an efficient feedback loop—an impossible task if you ‘throw code over the wall’ to production.
- **Enterprise complexity.** With a myriad of tool preferences across multiple teams, orchestrating releases effectively is a juggling act. The array of application technologies and intricacies of environments and infrastructure also fuel complexity.
- **Downtime and failures.** Moving faster can lead to more mistakes (especially with manual or scripted processes) and ultimately to quality degradation. With no stable, resilient release pipeline, you face firefighting to get releases out and greater risk of problems in production.

### CONTROL

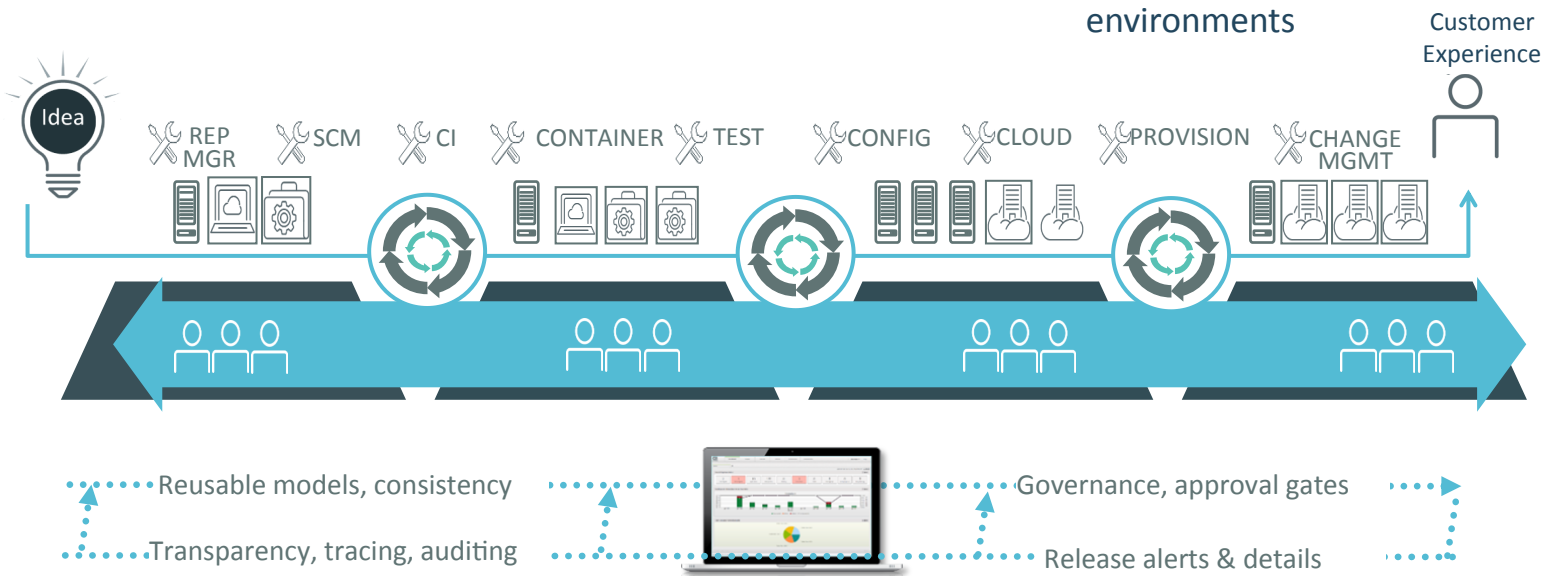
Stabilize the entire release cycle to continually improve quality

### ACCELERATE

Align teams to focus on customer-centric, on-demand releases

### SCALE

Manage the complexity and volume of applications, tools and environments



## Key features

- **Application-centric, model-driven** deployment provides reusable and repeatable processes to simplify and streamline application releases.
- **Comprehensive set of action packs and plug-ins** enables customers to leverage their existing investment and easily automate and integrate leading third-party solutions without scripting.
- **Scalable enterprise solution** that can handle complex, multi-tier distributed solutions across thousands of servers and multiple data centers.
- **Intuitive, powerful graphical Workflow Engine** eliminates the need of scripting and quickly allows you to visually create your deployment processes.
- **Consolidated release manager and dashboard** promotes collaboration and governance to plan, schedule and manage releases across the promotion pipeline.



## Key benefits and results

Many customers report significant benefits from release automation, such as:

- Reduced application release cycles from 12 days to a few minutes
- More frequent releases by up to 300 percent
- Reduced resource requirements for deployments from 15 to 1
- Instant visibility to key stakeholders and increased confidence

Marquee benefits yielding around **\$1.3M** 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 Release Automation approach

For more information, please visit <http://www.ca.com/us/products/ca-release-automation.html>



# Business Value Estimations for CA Release Automation



**CA Release Automation** business value can be quantified per a wide range of benefit scenarios for an illustrative organization with about \$225M in a nnuual revenue. A selection of these is listed below to show common areas measured.

| Business Value Proposition                                 | Business Value Enabler   | Specific Measurement  | Impact Range | Key Resources Affected <sup>1</sup>                  | Average Resource Value <sup>2</sup> | Projected Financial Impact / year <sup>3</sup> |
|--|--|---|--------------|--|-------------------------------------|--|
| Increase in Dev / Test / QA staff operational capacity     | <ul style="list-style-type: none"><li>• Reduce application release effort</li><li>• Quickly pinpoint root cause of release error</li><li>• Rapidly develop a fix for release issue</li><li>• Automate manual and script based release efforts</li><li>• Creation of standard reusable deployment processes</li><li>• Faster development through all phases of the software development lifecycle</li><li>• Help reduce release of ‘dirty’ code into production</li></ul> | Cost reduction in Dev / Test / QA labor                       | 2 - 3%       | Dev / Test / QA FTEs                                 | 225                                 | \$618,750                                      |
| Reduction in remediation costs of release errors           | <ul style="list-style-type: none"><li>• Automate manual and script based release efforts</li><li>• Reduce mistakes introduced in pre-production or production</li><li>• Easily rollback to prior version or restart deployment after error correction improving MTTR</li></ul>   | Cost reduction in release error remediation                   | 20 - 30%     | Release Operations FTEs                              | 10                                  | \$275,000                                      |
| Improved Time to Value for Revenue Generating Applications | <ul style="list-style-type: none"><li>• Reduce delays in deploying revenue generating applications</li><li>• Provide complete end-to-end insight and control when prioritizing</li><li>• Automation of release deployment and release criteria steps</li><li>• Help meet business plan financial goals and objectives</li></ul>  | Revenue enhancement stream from early release                 | 2 - 4%       | Revenue dollars influenced by a 90 day early release | 5,548,000                           | \$166,440                                      |
| Increase in Release Manager / Engineer staff productivity  | <ul style="list-style-type: none"><li>• Manage increased volumes and frequency of releases</li><li>• Deliver real-time actionable intelligence across the release pipeline</li><li>• Orchestrate and automate end-to-end release pipeline</li></ul>  | Cost reduction in Release Manager / Engineer staff activities | 20 - 30%     | Release Manager/ Engineer FTEs                       | 8                                   | \$220,000                                      |

<sup>1</sup> 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.

<sup>2</sup> The **Average Resource** column shows the calculated mid-point of resource values captured in reference business case and customer analyses by the CA ROI & Business Value Analytics Team.

<sup>3</sup> The **Projected Savings** calculations are based on the product of midpoints of the Impact and Average Resources to show a single representative potential savings value. The labor rates for all FTEs are an assumed blended rate of \$55/hour for a 2,000 hour work year of 365 business operating days. We assume that developers influence 10% of total revenue of approximately \$225M.

Please note, 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.

This table shows some key benefits of CA Release Automation. Your CA representative can also share additional and more detailed ROI business case examples for each solution component by engaging the CA ROI & Business Value Analytics Team. This team offers complimentary help to CA Technologies customers to develop and analyze a comprehensive set of assumptions and environment specific metrics in order to build customized projective business cases.

