



Software Development, Engineering & Integration

Making your software and data work as one

WHAT IS SOFTWARE DEVELOPMENT, ENGINEERING AND INTEGRATION?

Large-scale technological advancements affecting businesses, such as the increase in consumer and organizational data and the increasing automation of business processes, are causing companies to seek software development, engineering and integration services. The rapid transition to cloud solutions to take advantage of reduced costs and increased flexibility, coupled with the need to maintain legacy systems and the desire to modernize with open-source technologies requires a capability to tie it all together in a cost-effective manner.

Software development, engineering and integration involves integrating existing, often disparate systems and data sets through the use of DevSecOps principles in a way that focuses on increasing value to the customer while at the same time providing value to the company. More and more companies have a need to connect new open-source technologies with investments made in their existing legacy systems.

CHALLENGES

System integration is becoming more important due to the increasing advances in automation technology and the associated need to simplify processes for easier management and scalability of infrastructure. An integrated system will streamline your processes, reduce costs and ensure efficiency.

Bringing together component subsystems and applications in one system and ensuring that the subsystems function together securely as a single system with existing data sources can be daunting.

Existing legacy systems and applications are often too costly in terms of price, time and training to replace. Integrating modern software and DevOps tools with these components and data sets allows them to work seamlessly while adding functionality.

Pulling it all together in a secure fashion to ensure your systems and data are protected from internal, external and natural threats.

THE ASCOLTA SOLUTION

Ascolta provides software development, engineering and integration services through modern Agile, DevSecOps practices. Our cleared developers allow customers to maximize the benefits of cutting-edge open source tools while leveraging their existing legacy applications and data sources.

Ascolta's experience integrating our DoD customers' existing systems' structured and unstructured data sources with third-party tools and other external data sources has provided the successful fielding of new capabilities. Our DevOps heritage and extensive experience navigating the DoD Risk Management Framework (RMF) and DoD software testing and fielding processes will help provide a sustainable solution to your software problems.

Let Ascolta help you realize a Continuous Delivery Pipeline of Continuous Exploration, Continuous Integration and Continuous Deployment.



The team evaluates its process and reviews any improvements from the previous iteration. We identify new problems and their causes—as well as successes—and create improvement stories that enter the team backlog for the next iteration.

ADJUST

Team members collaborate to determine how much of the Team Backlog we can commit to delivering during the upcoming iteration based on the available team capacity. The team summarizes the work as a set of committed Iteration Goals.

PLAN



CHECK

Teams demonstrate a tested increment of value and receive feedback on what they've produced. The review provides the opportunity to assess progress and make adjustments ahead of the next iteration.

Do

Teams deliver Stories incrementally, demoing their work to the Product Owner as soon as they are done, enabling teams to arrive at the iteration review ready to show their completed work.

SYSTEM DEMO

Ascolta's staff is trained, certified and experienced with the Scaled Agile Framework (SAFe). SAFe is designed to help businesses continuously and more efficiently deliver value on a regular and predictable schedule. It provides a knowledge base of proven, integrated principles and practices to support enterprise agility.

At Ascolta we utilize best of breed open-source tools such as the HashiCorp tool stack as the foundation of your continuous integration/continuous solution, and are able to adopt other tools as needed to best solve your unique requirements.

With a focus on security we ensure your systems and data are safe and compliant, meeting NIST SP 800-171 security and Cybersecurity Maturity Model Certification (CMMC) compliance standards.



About Ascolta. Founded in 2014, Ascolta has proven experience supporting DoD contracts over a wide range of Software Development, DevOps, DevSecOps, Software Integration, Cybersecurity, and Cloud projects. Ascolta is a CMMC-AB Registered Practitioner Organization.

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