



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 principle 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.

THE ASCOLTA SOLUTION

Ascolta provides software development, engineering and integration services through modern 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.

WHY DEVOPS?

With a team composed of cross-functional members all working in collaboration, DevOps organizations can deliver with maximum speed, functionality, and innovation.

BUSINESS BENEFITS:

- Faster delivery of features
- More stable operating environments
- Improved communication and collaboration
- More time to innovate (rather than fix/maintain)

TECHNICAL BENEFITS:

- Improved Infrastructure Security
- Continuous software delivery
- Less complexity to manage
- Faster problem resolution

CULTURAL BENEFITS:

- Happier, more productive teams
- Higher employee engagement
- Greater professional development opportunities

DEVOPS TOOL SET



Ascolta is a Certified HashiCorp System Integrator and Reseller (Specialized Tier) with extensive experience on the entire HashiCorp tool stack to include:

Terraform

Workflow to provision infrastructure for private cloud, public cloud, and external services.

Consul

Distributed service networking layer to connect, secure and configure applications across dynamic, distributed infrastructure.

Vault

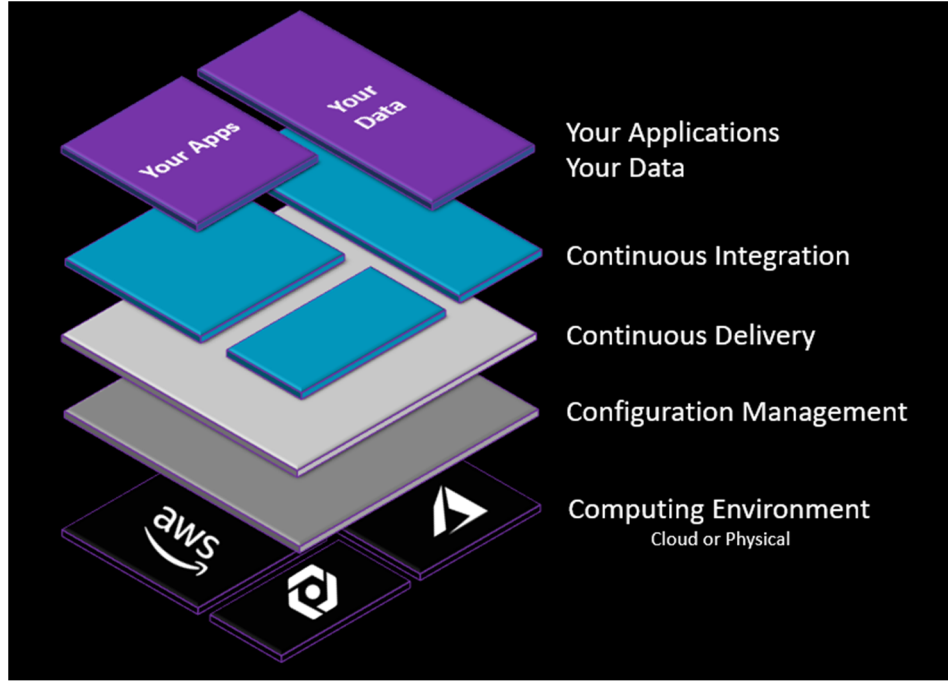
Secure, store and control access to tokens, passwords, certificates, encryption keys for protecting secrets and other sensitive data using a UI, CLI, or HTTP API.

Nomad

Flexible cluster scheduler that enables an organization to automate the deployment of any application on any infrastructure at any scale.

ASCOLTA SOFTWARE ENGINEERING & INTEGRATION

Ascolta's experience delivering software development, engineering and integration services to DoD customers through the utilization of best of breed open-source technology and modern DevOps tools such as the HashiCorp stack has allowed us to integrate legacy applications, existing data sets and commercial off-the-shelf tools into integrated systems for users. Our design and development of a modern and efficient continuous integration/continuous delivery pipeline allows for rapid product improvements and rapid injection of new technology.



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 2015, Ascolta focuses on delivering DevOps and cloud-migration services. We provide advanced technical services in the areas of information security, cloud management, adoption and migration. Ascolta develops and delivers system integration and professional services specializing in DevOps services that enable organizations to rapidly deploy solutions in the cloud or on premise. Ascolta has cleared staff who support numerous Department of Defense contracts as a fully DCAA compliant company.

Visit us at <https://ascolta.com>