



Software Engineering & Integration

Making your software and data work as one

WHAT IS SOFTWARE 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 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 engineering and integration involves integrating existing, often disparate systems and data sets, in such a way that focuses on increasing value to the customer while at the same time providing value to the company. More and more systems are designed to connect with the new system under development and to 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. An integrated system will streamline your processes, reduce costs and ensure efficiency.

Bringing together component subsystems and applications into 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 takes existing software and datasets and integrates them with modern DevOps tools and new software solutions to provide customized results based on customer requirements. We will help you architect and automate your infrastructure enabling rapid deployment by building and implementing a continuous integration/continuous delivery pipeline for your applications.

Ascolta offers highly skilled and cleared developers, DevOps engineers, system engineers and security professionals to assist you in integrating applications, software and data sources within your business environment. Our cleared DevOps professionals can perform work in Top Secret/Sensitive Compartmented Information (TS/SCI) environments for Federal clients.

Why Software Integration?

We embrace a DevOps approach to the configuration and deployment aspects of software development.

Our goal is to enable continuous integration and continuous delivery on every project we engage on; focusing on building, testing and releasing software quickly and frequently.

Using source control systems, automated functional and security testing, continuous integration over the controlled source and automated build and deployment removes the human error inherent in deploying a complex and highly integrated solution and helps to facilitate the ability to deliver regular releases.

Keeping the best aspects of your existing solutions while increasing their efficiency and capability by integrating them with modern, open sources tools and processes and seamlessly linking them all together with existing data sources.

DevOps Tool Set



Ascolta is a Certified HashiCorp System Integrator and Reseller with extensive experience with 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.

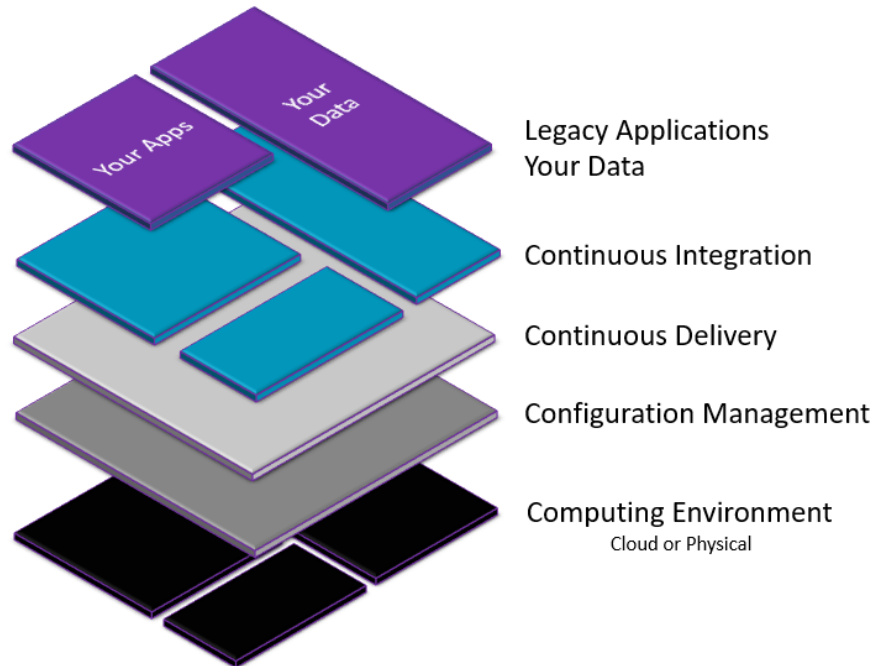
Nomad

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 engineering and integration services to Department of Defense 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 an integrated system for the user. 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 800-171 security and compliance standards.

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>