DEVELOPMENT, INTEGRATION AND DEVOPS; CORE DEVTEGRATE SERVICES

Development in DevOps (Development Operations) is majorly focused on the delivery pipeline to “build, test and release” on one part and then “plan and monitor” on the other end. This process is meant to increase the ability of organizations to deliver applications and services more effectively and efficiently, with the utilization of various tools for integration.

Integration on the other hand, is a viral DevOps Software Development practice where developers merge their codes and changes into a central repository. As a result, multiple developers can work seamlessly on a single project divided into various sections at the same time. Basically the Development process leads the way and encourages integration into the system, the aim is to “build, test, release, plan and monitor”. This process however requires a depth of knowledge about Cloud Computing, Cloud servers and Services, and the process of integration into various environments (On Premise Cloud Infrastructure).

The process of integration at Devtegrate is a complex mix of Containerization and the utilization of various DevOps tools with the aim being to develop scalability (Scaling Infrastructure) and automation, in other words in-depth knowledge of Cloud Computing, Cloud servers and Services, and the process of integration into various environments.

Devtegrate ensures CI/CD operations (Continuous Integration and Continuous Delivery) with expert knowledge in the use of Ansible and Terraform and a host of other tools like: Jenkins, CircleCI, GitLab and many more. This process involves automation which is a major practice with the use of tools like “Chef and Puppet as well as Ansible and Terraform as mentioned above,” however not limited to.

At Devtegrate, we develop cloud environments and also integrate to clients environment and in line with DevOps best practices, continuous integration and continuous delivery as earlier mentioned, micro-services, infrastructure as code, monitoring and logging, communication and collaboration.

ABOUT DEVTEGRATE

With combined Cloud DevOps experiences of over Fifty years (50 yrs) made up of a strong team of multinationals, having an understanding of various Clients on a global scale.  
Devtegrate prides itself in the provision of professional services, with well established Clients to testify to this ascension.

However Devtegrate is not limited to DevOps operations alone as it also fields a team of professionals in various technological and programming stacks but with the major boast being in the provision of expert DevOps services provided by experts certified in the use of Amazon Website Service (AWS), Microsoft Azure, Google Cloud Platform as well as Oracle Cloud Service and the like.

Devtegrate possesses vast knowledge in the utilization of various tools for automation processes, CI/CD actions, Containerization of Applications, monitoring, logging and a host of other service requirements, to mention a few tools: Chef, Ansible, Terraform, Puppet, Docker, GitLab, GitActions, Azure Kubernetes Service (AKS), Elastic Kubernetes Service (EKS), Jenkins, kubernetes, CircleCI and the list goes on; becoming one of the landing organizations in Cloud formation, Infrastructure and Automation.

Some of our notable Clients include: National Basketball Association (NBA), Hard Rock Cafe, Disney, AutoStore and they all testify to our competence and usage of a collaboration of tools to automate deployments with a dedicated team to support application deployment and a vast experience working in the cloud space.

Beyond our experience working with various DevOps, Devtegrate also posseses experience working with DOD security application in other words (DevSecOps). DevSecOps is a set of software development practices that combines software development (Dev), security (Sec), and information technology operations (Ops) to secure the outcome and shorten the development lifecycle. Ultimately, the Organizational aim of Devtegrate is to lead the market in being a force to reckon with in DevOps and Cloud Infrastructure, as well as to solve market needs in Cloud or on premise cloud infrastructure.

FREQUENTLY ASKED QUESTION

What is DevOps?

A compound of development (Dev) and operations (Ops), DevOps is the union of people, process, and technology to continually provide value to customers. DevOps enables formerly siloed roles—development, IT operations, quality engineering, and security—to coordinate and collaborate to produce better, more reliable products. By adopting a DevOps culture along with DevOps practices and tools, teams gain the ability to better respond to customer needs, increase confidence in the applications they build, and achieve business goals faster.

* Microsoft

How do we render our Services?

Here at Devtegrate, we have an objective to Develop, Integrate and deploy multi-directional technical services to our clients. Businesses that adopt DevOps tools benefit in many ways: Accelerating time to market, Adapting to the market and competition, Maintaining system stability and reliability, improving the mean time to recovery.

How to integrate and utilize various DevOps tools?

Once you contact us, we will begin consulting with you on the best ways to incorporate DevOps into your business operations

**RECENTLY ADDED CONTENTS**

**AMAZON WEB SERVICE**

Cloud servers seem to be taking over the computation and storage solutions of many big agencies and organization opting for Cloud Computation due to its all inclusiveness of SAAS (Software as a Service) and PAAS (Platform as a Service) to IAAS (Infrastructure as a Service), in other words Cloud Computing solutions. It is also fast becoming a favorite choice for its speed and efficiency in handling multiple complex tasks and frameworks.

When the word “cloud computing” is connoted the trio of AWS, AZURE, and GCP is denoted, topping the chart for their ease of usage and expert service tools and many. AWS (Amazon Web Service) is the foremost professional in this field, notably for its great influence in “Cloud Infrastructure.” AWS possesses a very robust array of tools and resources to enable easy integration to Cloud Computing. Using its tools of EKS (Elastic Kubernetes Service), Template Instance creation known as EC2, or RDS for Database integration.

AWS focuses on structures set in place which includes the ability to automate and ensure scalability. AWS manages and ensures upgrade, backup of database in the Infrastructures created for various software’s and application use. What makes AWS stand out from other Cloud Computing service is its wide range and preferred choice for organizational solution to slow system run time and response. AWS is however affected by pricing and its choice of usage is all dependent of Organizational need and preference.

**MICROSOFT AZURE**

Azure is Microsoft solution to Amazon Web Service. Both are classified as Cloud Service provider and a major platform used by DevOps Engineer. Microsoft Azure also comprises of various tools and just as instances are launched on AWS and other Cloud Platforms Azure takes pride in this actions as well with Automation actions done by AKS (Azure Kubernetes Service).

However there is a very thin line between Azure and AWS. First would be relating to the price of both platform; it is believed that AWS charges higher when compared to Azure prices for Service provided which are relatively lower.

Also AWS framework lack basic assignment of tools and representation using basic concept when compared to Azure framework, which makes it easy to identify and navigate through with little complexities.

Azure also possesses a lower regional reach when compared to AWS, but makes up for this short coming by being the more preferred choice for app service environment creation and ensuring Scalability and Automation.

DevOps is fast becoming an important part of technological advancement, with various organizations seeking cloud integration for their software due to its efficiency, reliability and effectiveness.

**GOOGLE CLOUD PLATFORM**

Joining the league of Cloud Service provider is Google. GCP (Google Cloud Platform) is Google’s answer to AWS and Azure with a major advantage; it is much more cost effective. While AWS and Azure charges users pay minute, Google takes it to a whole new plain by charging lower, specifically for lower instances used. GCP also offers highly discounted prices on the use of most of its services and as the highest compute offerings like; big data, machine learning, high transfer stability with minimal data loss during server and storage transfer unlike Azure hybrid cloud system process.

Invariably, Google Cloud Platform when compared to Amazon Web Service and Microsoft Azure doesn’t really have much to offer, however what it lacks in tools it definitely makes up for in pricing and specialized services it offers.