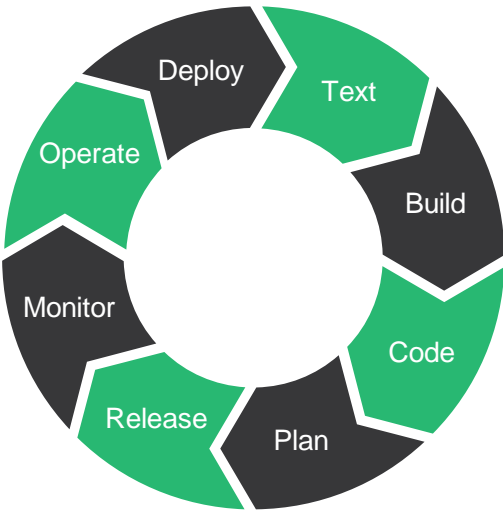
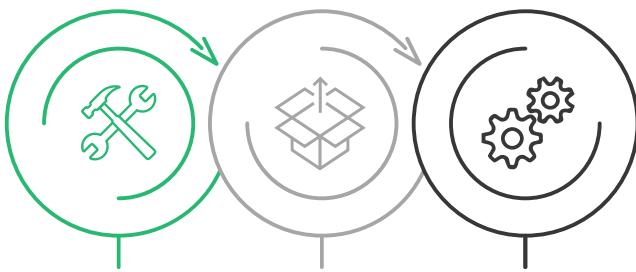


DevOps CI/CD using CliQr CloudCenter Platform



DEVOPS



Build
Continuous integration and testing

Release
Continuous delivery and deployment

Operate
Continuous operations

Definition



DevOps (a clipped compound of development and operations) is a culture, movement or practice that emphasizes the collaboration and communication of both software developers and other information technology (IT) professionals while automating the process of software delivery and infrastructure changes.

Challenge



The IT group for one of the biggest service providers in the world wanted to

- Get a shorter time to market of their latest offerings.
- Get on-demand access to production and development /test resources.

There was a homegrown solution available, but that did not cater to multiple organizations within the company and also the potential of infrastructure fragmentation, mushroom development, work duplication and extra costs did not make the solution very appealing.

Solution



To address this challenge, CliQr CloudCenter platform with a patented Cloud Center Orchestrator (CCO) at its core was used. This solution helped

- **Align IT with other business units**
With out of the box capability of multi tenancy and effective usage of RBAC, CloudCenter Platform allows solutions to various business units with minimum additional costs (OpEx). Creating and making environments available for various users and business units meant, the respective organizations can spend more time on quality development cycles then worry about the accessibility and availability of the IT environment. Application Profile creations and single click deployments enables and ensures that even the novice users would get the same experience as a veteran.
- **Clean, consistent and controlled environment for Dev through Production**
Create individual and controlled deployment environments once and replicate for Development, QA, Staging and Production - Repeatable, predictable environments with self-service access. Easier decision making with tag based governance allows the users exactly know the code that has been deployed.



Diagram: Deployment Environments and Promote functionality in CloudCenter Platform

One time application profile creation that can be deployed across the environments. Integrated tool chain, integration to enable build and deployment automation ensures the application integrity

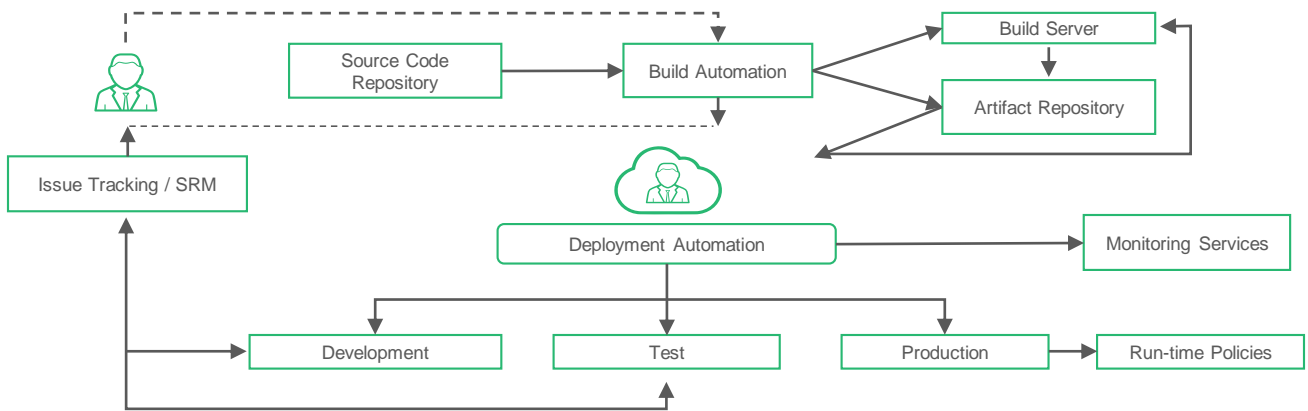
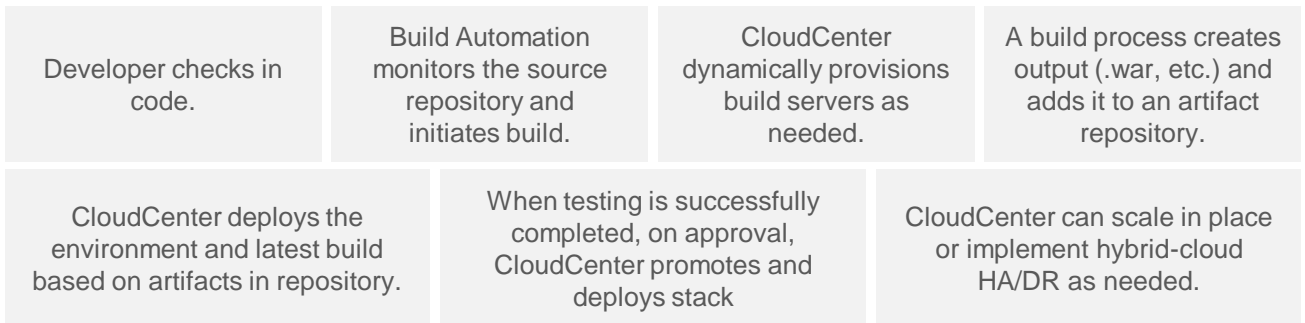


Diagram: Application lifecycle management and complete devops and CICD workflow

Single pane of glass for Ops

Set usage plans to enable capacity and cost control. Enables admin to set run time policies and actions on scaling, aging ensuring appropriate use of resources. Monitor and at any given point in time check the costs and enable cross charges across the business units.

Enable effective technology decisions

No cloud specific scripting needs and no modifying applications per cloud. On demand environment creation and automated pipeline for market release. Flexible strategy for cloud adoption and build automation (eg: integrated with Jenkins)

Benefit

The CloudCenter platform empowered not only the IT but also the other BU's that would want to use the Dev, Test, Staging and Production environments as needed. The CloudCenter Platform enabled

- Automated deployment
- Integrated toolchain
- Flexibility towards choice of technology
- Faster time to market
- Reduce time to deployment with single click promote functionality
- Consistent environments
- No cloud lockin
- Single pane of visibility and control