

cloudticity

Accelerate delivery of innovative healthcare apps

Increase agility of software development with DevSecOps from Cloudticity

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Healthcare organizations today are under tremendous pressure to deliver innovative applications fast. Whether you are building a new patient portal, a mobile app for clinicians, or a data analytics service for payers, you need to bring your application to market quickly and then continuously produce new features to stay relevant.

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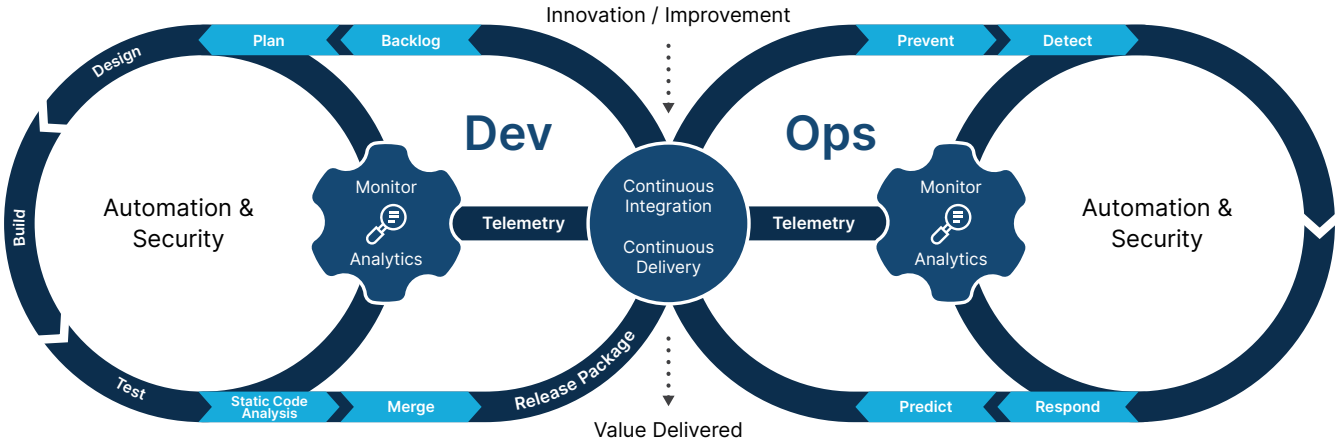
Many organizations are shifting application development to the cloud to increase agility, avoid capital expenditures, and access cutting-edge technologies. By building in one or more public clouds, your organization can quickly spin up new environments and avoid the expense of managing physical infrastructure in-house. Using public cloud services, you can also tap into cloud-native capabilities—ranging from artificial intelligence (AI) and machine learning (ML) to data analytics and data visualization—to augment applications and deliver greater value to users.

Adopting agile, DevSecOps practices is critical for making the most of the cloud and speeding the delivery of these new applications. By better integrating developers and operations teams, and collaborating on continuous delivery of small, iterative application changes, you can keep up with evolving business requirements and customer expectations. Incorporating cloud-based automation into DevOps processes allows you to streamline that work so you can sustain fast delivery of new apps even as you scale up.

Cloudticity DevSecOps for Healthcare services simplifies the move to cloud-based DevSecOps. With a decade of DevSecOps experience and deep expertise with launching and maintaining cloud-based healthcare solutions, Cloudticity can help you implement the culture, processes, and technologies you need to deliver applications to customers faster. By implementing DevSecOps in conjunction with the Cloudticity Oxygen™ fully automated managed services platform, you can stay focused on innovation while helping ensure that applica-tions and data remain secure and compliant in your cloud environment.



Integrating development and operations



Establishing a DevOps model and building CI/CD pipelines enable you to move toward continuous innovation.

Traditionally, developers and operations teams have had different priorities. Developers want to produce new software fast. Meanwhile, operators want to maximize application uptime, reduce security risks, and maintain compliance—even if achieving those objectives means slowing down delivery of new features. Bringing together the previously distinct cultures, people, and processes of development and operations—and addressing potential conflicts—can be difficult. But establishing a DevSecOps model is crucial for speeding delivery of innovative healthcare apps.

A DevSecOps model is essential for building continuous integration/continuous delivery (CI/CD) pipelines. These CI/CD pipelines allow DevOps teams to continuously integrate new coding, testing results, and app monitoring insights into ongoing development. DevOps teams using CI/CD pipelines can deliver new software and updates rapidly—they no longer have to complete the development process before incorporating enhancements and fixes.

CI/CD pipelines can also help your team build security into software development and delivery, instead of handling possible issues only at the end of the development cycle. DevOps teams can ensure that they are using secure components to build their applications and deploy those applications into secure, compliant cloud environments.

Automation enables CI/CD processes to function efficiently. Automating building, testing, and monitoring tasks can help remove tedious, time-consuming, and error-prone manual work. With automation, your organization can produce better, more secure applications faster while also streamlining management of your cloud environment.



Implementing DevSecOps with Cloudticity

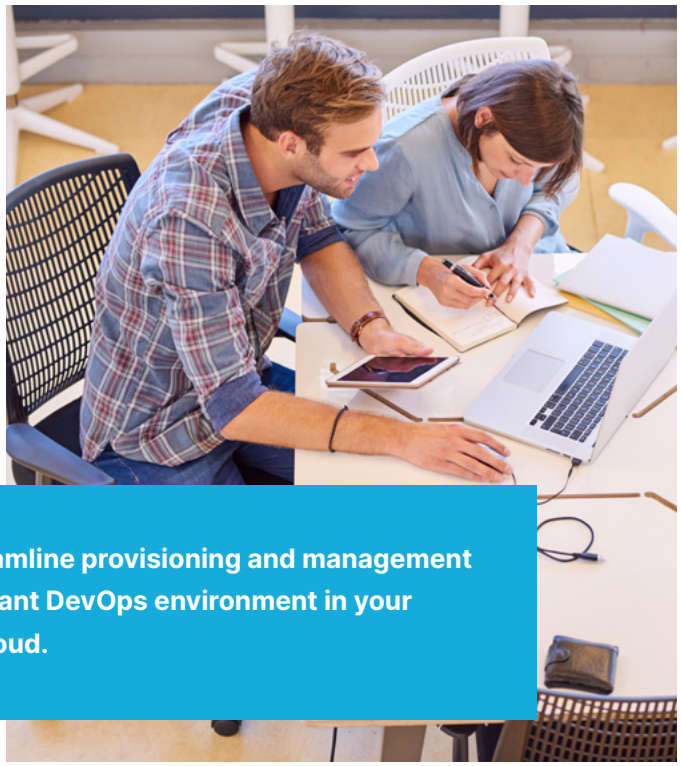
Cloudticity DevSecOps for Healthcare can help your organization implement a cloud-based DevSecOps model and capitalize on automation to accel-erate delivery of innovative apps. The Cloudticity team focuses on the people, processes, and technologies that you need to transform development and operations. You can establish CI/CD pipelines that enable you to continuously bring new software and capabilities to market while improving security and maintaining operational stability.

A typical engagement with Cloudticity begins with thorough assessments and planning. The Cloudticity team first helps assess the current state of your software development and operations. The goals are to gauge DevOps maturity, understand existing processes, evaluate team alignment, and identify gaps. Cloudticity then works with your team to envision a future state.

The Cloudticity team hosts a series of interviews and workshops on develop-ment, testing, architecture, project management, business analysis, and oper-ations. Cloudticity can provide guidance on application lifecycle management, take deep dives into DevSecOps and CI/CD, define roles by constructing a RACI (responsible/accountable/consulted/informed) matrix, and more.

Next, Cloudticity produces a detailed analysis report and creates a customized roadmap for integrating your teams, transforming processes, and adopting new technologies. To speed delivery of software, a new CI/CD pipeline can automate some or all steps—including initiating builds, deploying cloud infrastructure, conducting unit testing or validity testing, and managing blue/green deployments.

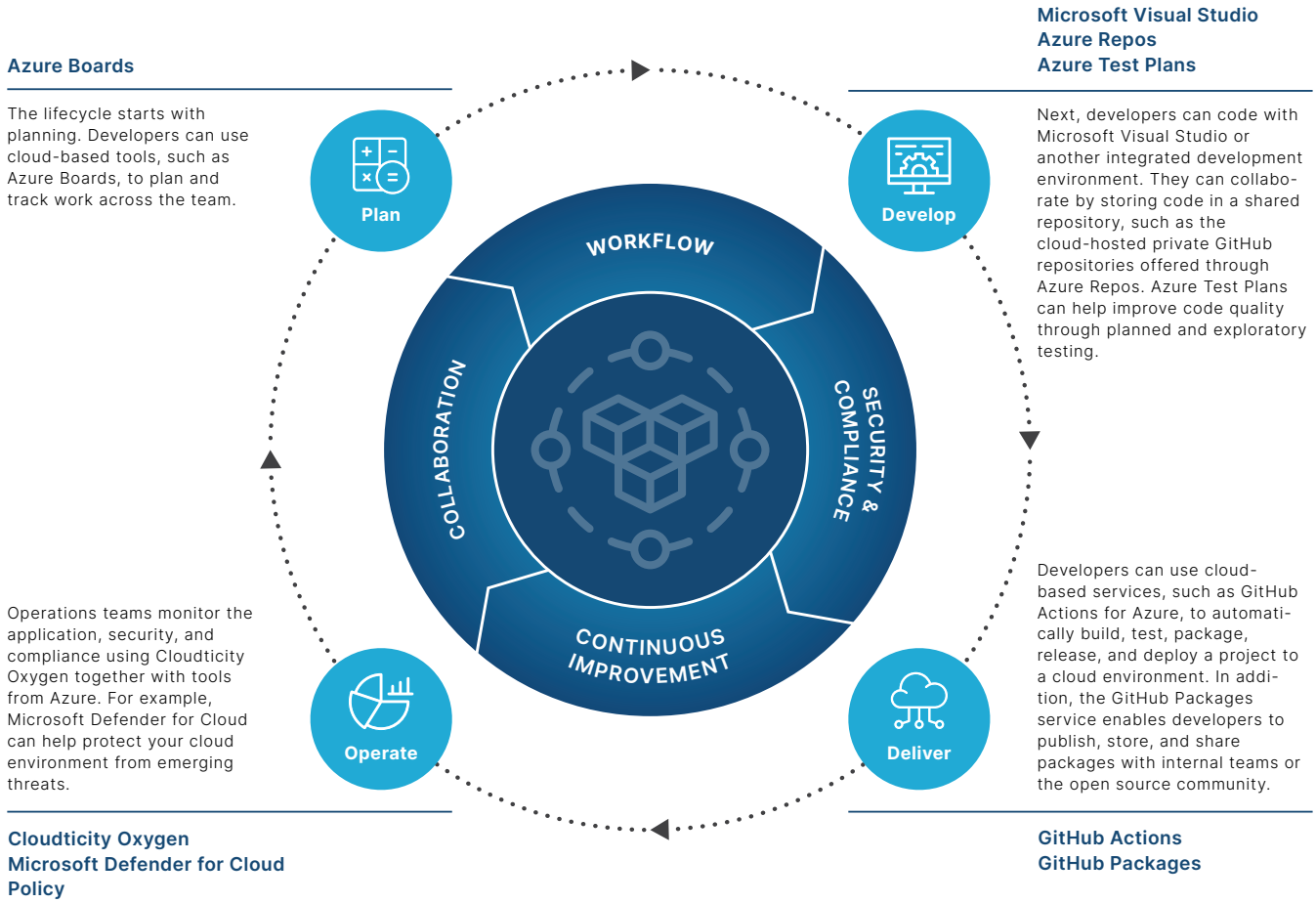
The roadmap also provides a seamless transition to using the Cloudticity Oxygen fully automated managed services platform. Oxygen helps streamline provisioning and management of a secure, compliant DevOps environment in your preferred public cloud.



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Spotlight: Envisioning a cloud-based CI/CD lifecycle on Azure

Cloudticity helps you make the most of cloud services to create a truly continuous development and delivery lifecycle. With Azure, for example, you can choose from a range of services for planning, developing, and delivering software, and then operating in the cloud.



A cloud-based CI/CD lifecycle connects planning, development, delivery, and operations.

Enhancing Development Agility for Qr8

Qr8 Health is a digital health company that offers standardized, validated clinical tools for assessing neurological and motor function. The company empowers providers to design and run patient assessments for multiple sclerosis, Alzheimer's, Parkinson's, and more. Tests are easily integrated into electronic health records.

Challenges

Qr8 needs the agility to update apps quickly so the company can adhere to changing regulations while maintaining scientific validity. At the same time, supporting integration with clinical records requires Qr8 to ensure that data from assessments is both securely stored and readily accessible.

Solution

Qr8 engaged Cloudtcity DevSecOps for Healthcare Services to construct a customized CI/CD pipeline and implemented Cloudtici-ty Oxygen for operations management.

Benefits

- Increased app development agility, empowering developers to accelerate updates and keep up with shifting regulations
- Improved app flexibility, enabling healthcare providers to more easily customize services for specific use cases
- Refocused the Qr8 team on building new app capabilities and providing responsive support, instead of manually managing data
- Helped ensure regulatory compliance for data stored in the cloud

To discover how other healthcare organizations are enhancing agility and improving security in the cloud with Cloudticity, visit: https://www.cloudticity.com/case-studies

Moving forward with your DevSecOps transformation

For healthcare organizations, continuously delivering new applications and soft-ware capabilities is a necessity for remaining competitive. Adopting a DevSecOps model, building CI/CD pipelines, and tapping into unique cloud-native services can help your organization speed innovation.

Cloudticity DevSecOps for Healthcare enables you to transform your approach to application development and delivery by helping you integrate teams, establish new, highly automated processes, and implement key technol-ogies. By working with Cloudticity, you can access the tools and expertise you need to bring new, innovative software to market faster.

Ready to move forward with your DevSecOps transformation?

Connect with a Cloudticity expert: schedule a free consultation.



Connect with a Cloudticity expert


cloudticity
Increase Your Velocity
and Security **Today**
SPEAK WITH A SPECIALIST