

# Cloud Access to Modern Mainframe Development

## OVERVIEW

In today's constantly changing market conditions, developers need easy access to a modern mainframe development stack that brings Agile/DevOps to COBOL apps. But deploying enterprise software across hundreds if not thousands of desktops, and keeping that software up-to-date, can be a slow process. Developers can wait weeks or months to take advantage of new capabilities, and even then might not have access to the latest release, resulting in reduced productivity. Organizations require a fast, secure and simplified way of deploying software and upgrading users. Compuware is addressing these needs by bringing enterprise customers the industry's first cloud access to modern mainframe development.

## Topaz on AWS

Compuware is giving enterprises the choice to deploy Topaz, its flagship solution for mainframe Agile/DevOps, on Amazon Web Services (AWS). Now, global development, test and operations teams can have immediate and secure cloud access to an agile toolset, including an industry-leading IDE, to rapidly modernize their COBOL apps.

Topaz on AWS leverages Amazon AppStream 2.0 technology, a fully managed, secure application streaming service that allows users to stream desktop applications from AWS to an HTML5 web browser on Windows and Linux PCs, Macs and Chromebooks.

## SINGLE INSTANCE ADMINISTRATION

IT administrators have access to single instance administration and can deploy any number of Topaz instances to developers in minutes. The number of development environments can be scaled up or down, depending on demand, providing added flexibility.

## IMMEDIATE ACCESS TO NEW CAPABILITIES

Compuware delivers innovative new capabilities to customers every 90 days. Each time a new version of Topaz is released, an administrator need only update the single cloud instance of Topaz once, and with a few clicks, it can be deployed to developers worldwide. The updates will automatically be available to developers the next time they refresh their browsers.

## EASY CONFIGURATION

It's easy for administrators to deploy a secure and reliable infrastructure to support Topaz on AWS using Amazon CloudFormation technology. Implementation is based on a configuration UI that makes it easy for administrators to quickly configure secure connectivity between Topaz on AWS and their mainframe environment, as well as their existing cross-platform enterprise DevOps toolchains running on-premise, in the cloud or both.

## HIGHLY PERFORMANT USER EXPERIENCE

To use Topaz on AWS, users receive an initial link, username and password. Compuware and Amazon have created a highly performant, secure and fluid user experience that mirrors that of a natively installed application. Developers can access multiple versions of Topaz, including new releases

undergoing verification in the enterprise’s environment as well as existing versions that have already been rolled out. Additionally, Compuware’s other web-based solutions as well as preferred DevOps tools can be conveniently contained and available within a single browser window. Developers also have access to datasets and data files and can easily change source code all as if the user environment was locally installed.

**COMPREHENSIVE, RELIABLE SECURITY FRAMEWORK**

Compuware worked in lockstep with Amazon to create a comprehensive security framework that customers can use to deploy Topaz. Administrators can leverage a template that sets up a network that acts as a secure extension of the enterprise’s data center accessible only by developers. The AppStream service secures and encrypts every pixel delivered to developers on whatever device they are using.

# Topaz on AWS Deployment



Learn more on Topaz for AWS at [compuware.com/topaz-on-aws](http://compuware.com/topaz-on-aws).

To learn about the full suite of Topaz offerings, please visit [compuware.com/topaz](http://compuware.com/topaz).

**The Mainframe Software Partner For The Next 50 Years**

Compuware empowers the world’s largest companies to excel in the digital economy by fully leveraging their high-value mainframe investments. We do this by delivering highly innovative solutions that uniquely enable IT professionals with mainstream skills to manage mainframe applications, data and platform operations.

Learn more at [Compuware.com](http://Compuware.com).