

DolpTec

Build and Run Your Applications Securely on AWS

EBOOK

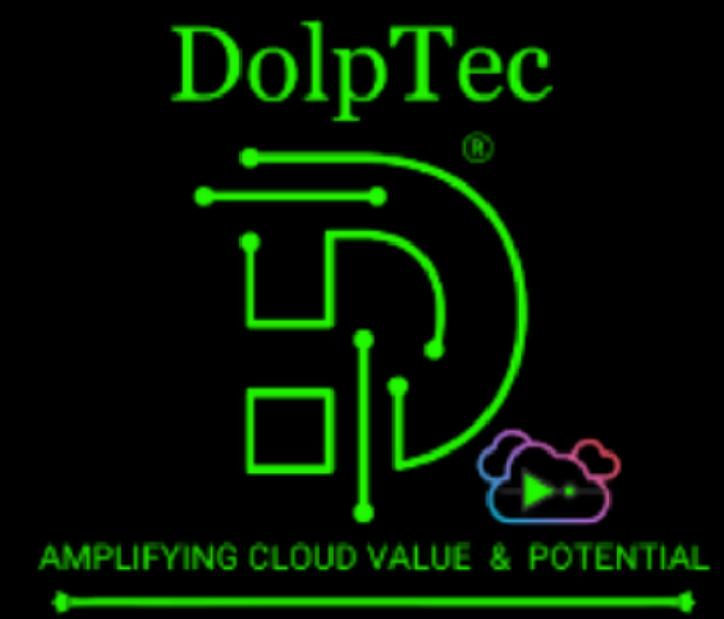
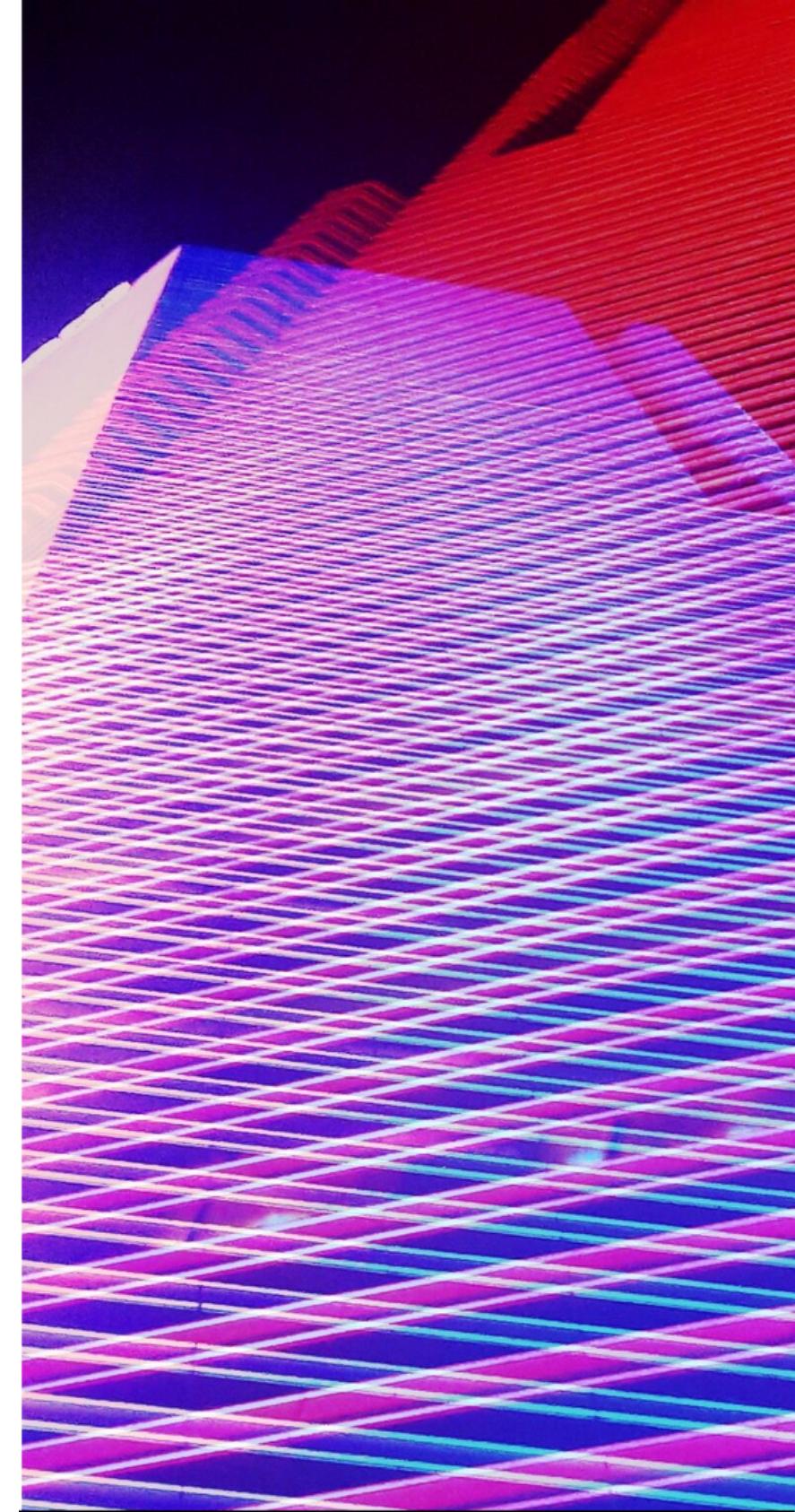


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Introduction



In recent years, many companies had a herculean task - to innovate quickly to better serve their customers while staying secure, reliable, and keeping costs in check. Many business leaders turn to the cloud to increase security, reliability, scalability, and save costs. The cloud provides a platform on which businesses can innovate faster. According to the 2022 Forrester State of the Cloud in North America report, 94% of US enterprises are using cloud. According to IDC, an average of 43% of applications have already moved to the cloud. The number of applications deployed is growing fast. In two years, more than a quarter of companies expect to have more than 250 applications deployed - more than twice the number of companies with such large deployments today. Amazon Web Services (AWS) offers the most comprehensive set of capabilities and continually innovates across infrastructure and services so you can build, run, and scale applications in the cloud, on premises, and at the edge. Millions of customers, including large global enterprises, government organizations, and startups, trust the capabilities, reliability, and security of AWS to run their most important applications, including mission-critical, enterprise, and cloud native applications, as well as the next generation of applications they need to accelerate their digital transformation. In this eBook, you'll learn why customers choose AWS to build, run, and scale their applications.

Applications have evolved significantly

The types of applications that power businesses and the way these applications are built has evolved significantly in recent years including:

- Enterprise applications such as those using SAP, Oracle, IBM, and other ERP technologies
- High performance computing (HPC) applications running large, complex simulations, and deep learning workloads such as weather forecasting and genomics research
- Modern applications including serverless, containers-based, and machine learning applications
- Applications that need low latency to deliver highly responsive experiences such as real-time multiplayer games or high-frequency trading applications
- Internet of Things (IoT) applications which connect and manage up to billions of devices for industrial, consumer, commercial, and automotive workloads
- In hybrid cloud environments, applications that must remain on premises or at the edge due to local data processing or data residency needs



Gartner recognized Amazon Web Services (AWS) as a Magic Quadrant Leader for Cloud Infrastructure and Platform Services for the 12th straight year

Source: Magic Quadrant for Cloud Infrastructure and Platform Services - Gartner, 19 October 2022

Sources: Forrester, The State of the Cloud in North America, 2022,
IDC Cloud Pulse 2Q22 Executive Summary: Applications and Workloads, Sep 2022

Top of mind for business leaders and decision makers



Security and reliability

As applications scale to meet global demand, the needs for security and reliability increase. IDC's Cloud Pulse highlights that security is becoming increasingly critical to organizations as the threat landscape changes. This is in part due to the increase in consumption of network reliant cloud services.

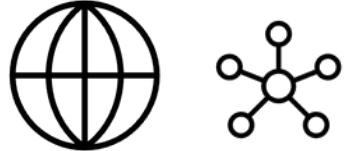
More and more companies are looking to their cloud provider to offer built-in security so that they can focus on their applications. Maintaining security and compliance and preventing inadvertent access to sensitive data is top of mind for most business leaders. Furthermore, building, running, and scaling applications without interruptions is crucial for any business. Poor performance, latency, or downtime can severely impact business.



Greater performance and agility

As businesses grow, applications supporting the business should be able to scale effortlessly. It's also crucial for these applications to have high performance to deliver the best customer experience. With the current economic challenges, business leaders are also pressed to do more with less. They need to deliver on higher performance needs to meet SLAs and drive business growth while managing costs. In fact, according to a global survey, 87% of IT decision makers agree their organizations are rethinking IT investments for 2022 and beyond. To increase efficiency, companies need to eliminate any unnecessary heavy lifting and identify the most cost-effective way to build and run their applications intelligently while remaining flexible to scale capacity up or down.

Sources: IDC Cloud Pulse 2Q22 Executive Summary: Applications and Workloads, Sep 2022,
Global-Survey-87-of-IT-Decision-Makers-Are-Rethinking-2022-IT-Investments-Amid-Market-Shifts



Consistent experience across development environments

While companies are increasingly deploying their applications in the cloud, they may still need to run some of their mission-critical applications on premises to ensure faster response times. Some companies also have hybrid and edge use cases where they need to support low-latency applications or process data locally. In such scenarios, inconsistencies across environments can impact productivity or slow innovation. Bringing the same cloud capabilities and management experience everywhere is increasingly becoming a priority for many organizations.



Staying competitive and innovative

Cloud computing has unlocked many new opportunities for companies. It also offers the flexibility and agility to quickly act on new business opportunities. As business priorities shift, the needs of applications powering the business also change. To stay competitive, companies should have access to the latest technology to improve their applications and deliver new solutions. IDC, in its Cloud Pulse survey, found that the #1 five-year goal across all industries is to innovate and deliver new products and services. IT also found that 48% of IT budget will be spent on new projects supporting business innovation. Many business leaders are looking for solutions that support the needs of the applications they're running today as well as the ones they'll build in the future.

Source: IDC Cloud Pulse 2Q22 Executive Summary: Applications and Workloads, Sep 2022

About DolpTec

DolpTec - Your Trusted Cloud Partner.

At DolpTec, our Vision is to make public cloud platforms Secure, Compliant, Effective and Cost efficient to adopt, operate and to empower organizations of all sizes to thrive in this cloud age.

Our Goal

Our goal is simple yet ambitious - to revolutionize the way businesses operate in the cloud realm. We strive to harness the power of cutting-edge cloud technologies and transformative digital strategies to unlock unprecedented value for our clients.

Our Believe

Cloud is more than technology: It's a catalyst for reimagining workflows, optimizing processes, and disrupting conventional industries.

Transformation requires a human touch: We partner with you, understanding your unique goals and crafting solutions tailored to your success.

Innovation fuels progress: We harness the power of the cloud to help you experiment, iterate, and build solutions that push boundaries.

Benefits of choosing to build, run, and scale applications on AWS with DolpTec

At DolpTec, we are passionate about our customer's success. We believe cloud enabled transformation within an organisation to make a significant impact requires a full 360° effort, hence we work with our customer to review their existing processes, skill composition and technology gaps. We provide a full set of services from cloud adoption, migration, architecture, cost management, development and support.



Cloud Landing Zone service - CloudOzone

Our CloudOzone service would help set up a secure, compliant and highly customisable cloud native landing environment recommended by AWS - AWS Landing Zone Accelerator. Read more - [AWS Cloud Landing Zone Accelerator](#)



DevOps service - CloudOasys

Our CloudOasys service would help set up a secure, compliant and highly resilient infrastructure and application delivery CI/CD pipeline using AWS cloud native services for multiple variety of workloads. Read more - [DevOps on AWS](#)



Cloud Cost Management - CloudOpex

Our CloudOpex service would help set up a cloud native cost and usage dashboard for AWS cost analysis and management. It also can help organisations to set up an industry recognised FinOps practice to efficiently navigate cloud cost complexities. Read more - [AWS Cloud Intelligence Dashboards Framework](#)



Learn more

[AWS for Every Application](#)

[CloudOzone - Cloud Landing Zone Service](#)

[CloudOasys - Cloud DevOps Service](#)

[Cloud Architecture - Architecture Service](#)

