CLOUD DEPLOYMENT

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Team Id	PNT2022TMID43265
Project Name	Efficient water quality analysis & predicition using machine learning
Maximum Mark	2Mark

INTRODUCTION

Amazon is a market leader in providing cloud-based services in the form of Amazon Web Services (AWS) and is world's most adopted cloud platform. Millions of customers from tech giants like Netflix to small start-ups are entirely dependent on AWS. Organizations need individuals with excellent cloud skills to help them transform their business needs. AWS Training & Certifications help learners to build and validate their cloud skills so that they can get maximum benefits from the cloud

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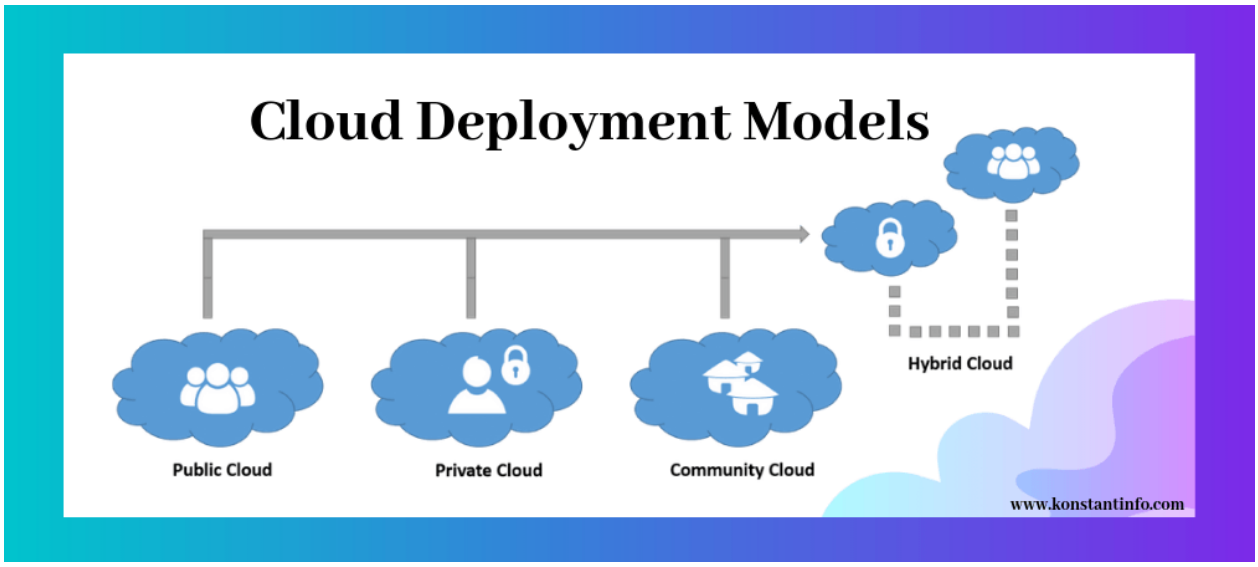
Whether you are an IT professional, business leader or someone looking to understand AWS services, AWS training and certification can be ground breaking both for your career and for your organization.

Bridge India is an AWS Authorized Training Partner; status which is only given few selected ATPs around the world. AWS recognizes our ability to deliver AWS training with highest and consistent quality. Individuals who joins us for AWS Training and Certification program get to learn about various services of AWS; both in theory as well as hands-on. We stand out in the market because we provide cloud pre-requisites with our foundational courses - especially for those learners who are having very little knowledge about cloud. When they step out from EB, our learners become an expert in AWS cloud

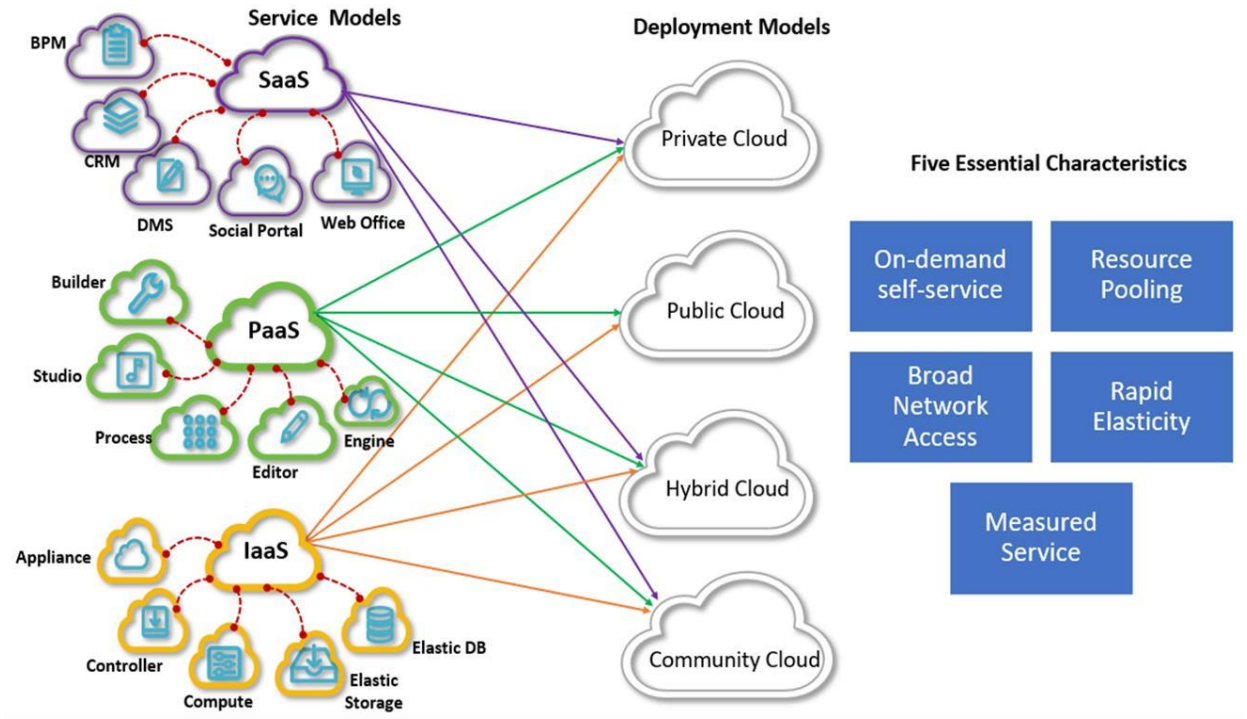
- **Faster and simplified deployments.** Automate builds that deploy code, databases and application releases, including resource provisioning.
- **Cost savings.** Control costs using consumption-based pricing and eliminate capex-heavy on-premises environments.
- **Platform for growth.** Leverage the global infrastructure provided by cloud service providers (CSPs) to seamlessly expand the business into other geographies.
- **New digital business models.** Exploit the continuous release of features and services by CSPs, incubate new technologies and innovate digital business models.

- **Business resiliency.** Architect for the availability and fault-tolerance CSPs offer and ensure disaster recovery and business continuity of applications to make the business resilient.
- **Agility and scalability.** Use auto scaling and scalability to meet peak demands of the business without provisioning for excess capacity.
- **Geographic reach.** Access applications from any location, on any device, leveraging the connectivity backbone of CSPs.
- **Operational efficiency.** Use the inherent automation enabled by cloud to increase operational efficiency and reduce human effort.
- **A competitive edge .** Leverage infrastructure as code and development, security and operations (Dev Sec Ops) to reduce the time to market for new features and stay ahead of the competition.



Strategy and architecture

Our services meet you where you are on your cloud or digital transformation journey. We team with you to define your architecture, integrating security, resiliency, and management models into an implementable design that meets your business needs. We recognize the need for cloud solutions that protect traditional investments and enable organizations to benefit from hybrid, multi-cloud, or models. By understanding the challenge and complexity of current and hybrid IT environments l provides unique value beyond cloud-only needs.



Community cloud

This deployment model supports multiple organizations sharing computing resources that are part of a community; examples include universities cooperating in certain areas of research, or police departments within a county or state sharing computing resources. Access to a community cloud environment is typically restricted to the members of the community.

With public clouds, the cost is typically low for the end user and there is no capital expenditure involved. Use of private clouds involvescapital expenditure, but the expenditure is still lower than the cost of owning and operating the infrastructure due to private clouds' greater levelof consolidation and resource pooling. Private clouds also offer more security and compliance support than public clouds. As such, some organizations may choose to use private clouds for their more mission- critical, secure applications and public clouds for basic tasks such as application development and testing environments, and e-mail services.

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