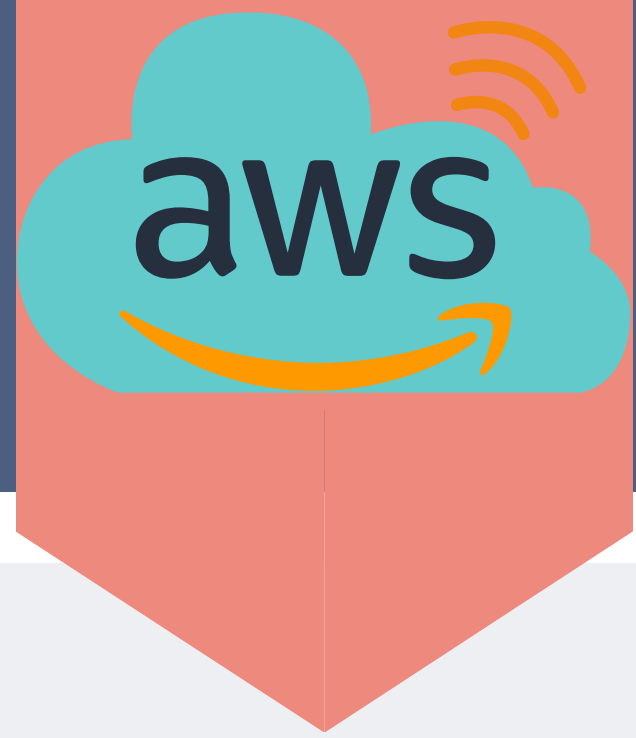


# AWS Cloud Computing



## getting into AWS

Cloud computing is a group of web services that provides us with IT resources over the internet. Amazon web services (AWS) is one such cloud service provider. AWS offers a broad range of cloud-based products which are accessible with pay as you go method. AWS provides us with cloud services such as compute power, storage, databases, networking, satellite, analytics, machine learning and artificial intelligence, IoT, security, and many more. AWS has built a cloud solution that helps solve problems and help build faster using the AWS platform. AWS solutions come with detailed architecture and the necessary guide putting AWS on a higher competitive level in a cloud computing market. For similar purposes, the AWS calculator is created by Amazon to estimate and calculate monthly costs and opportunities to reduce extra expenditure, if any.

## Why choose AWS?

AWS cloud services massively decrease the cost of operations (cost-effective) and offer high efficiency. Cloud computing costs are lower because there's no high investment into the data center and the cost is paid only for the consumed amount of the resources, since the costs of payroll for staff, Space to set up servers, and utility billings is replaced by a calculated service provider. It also offers massive economies of scale as the more services are used, the higher the profit margin.

Another reason is that AWS allows you to scale server capacity based on need automatically so there's no miscalculated underutilized or overutilized server capacity that would cost more in operation. Compared to the traditional model, it allows deploying technology services in minutes, and hence the implementation of the idea is several orders of magnitude quicker. Therefore, it provides the freedom to experiment, test new ideas to help business growth. It further cut costs of maintenance which is required if the On-Premises model is being used because it's more of a software-like architecture. AWS has set up data centers in more than 14 regions and they allow you to choose and go globally online from a particular place.

AWS has been known to reduce costs by 90% in certain businesses and this figure can be easily analyzed if we just see the above comparison of the cloud model and traditional model.

Furthermore, AWS has support plans to accommodate developers, businesses, and enterprises that would help solve case-to-case problems if it's required by the customer.



## Reflection

The acquired information gives me the motivation to work towards my goal of Start-up as AWS allows people to set up a business at a lower expenditure. Financing the business operation is the most important aspect of setting up a business and huge investments are needed to start tech start-ups since server rooms, staff, utilities, and many other factors are needed, and AWS cloud services help cut down all these costs and makes it doable to set up operations at far lower costs in a very efficient manner. It provides me with confidence that this makes my future goal far more accessible to achieve. This Innovation would help transform businesses and provide opportunities for lots of people to break into the industry. This could also lead to more start-ups and hence provide economic benefits by cutting down the cost of products as well.



Youssef  
Moustafa  
A21MJ0145



Azka Aftab  
A21MJ0135



HASAN  
QURESHI  
A21MJ0139



IFFASHAFIQAH  
A21MJ5030