

# Cloud Computing Models - Party as a Service



**CLOUDOPTY**

# About Cloud Computing

Cloud computing has opened the doors for faster and cost-effective innovations. By adopting cloud services, you can extend your reach to any country in the world. You can leverage the benefits of cloud computing, only if you are aware of its three main services:

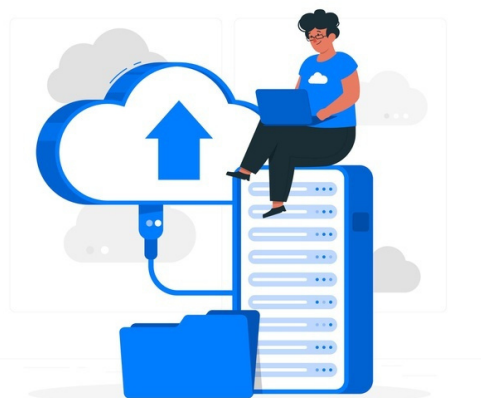
**These three services are:**



**SaaS: Software as a service**



**PaaS: Platform as a service**



**IaaS: Infrastructure as a service**

These three services are sometimes called cloud computing stacks because they build on top of each other. As you go from SaaS to IaaS, the work involved in terms of development, installation, running the application will increase but at the same time, you will have more room for customization.

It will be very easy to understand these three services with one real-life example.





Let's understand this with an example of a birthday party.

We all know the birthday of our loved ones is a special event for not only them but for us as well. So we try our level best to make their birthday special by arranging a grand party. And we all know we must arrange many things to make the party a big success.



Generally, we have two options; either we keep the party at our place itself or we arrange it somewhere else. If we choose to arrange at some other place, we have three different options.

Let's dig into each available option for arranging the party and see how it's closely related to each service of cloud computing.

<b>Traditional (On premise)</b>	<b>Infrastructure (as a Service)</b>	<b>Platform (as a Service)</b>	<b>Software (as a Service)</b>
			
Hall	Hall	Hall	Hall
Table and chairs	Table and chairs	Table and chairs	Table and chairs
Props for decoration	Props for decoration	Props for decoration	Props for decoration
Tapes and scissors	Tapes and scissors	Tapes and scissors	Tapes and scissors
Food	Food	Food	Food
Done In House	Hall-As-a-service	Walk-in-and-Decorate	Party-as-a-service

## Fully in-house (Traditional On-Premise)

When you are keen on arranging the party all by yourself, then you can choose this option. Here you must take care of the place, the sitting arrangements, food, type of decoration, and type of props involved in it. It's fully customizable. But you must put in lots of time and energy.

Same with the on-premises deployment service. In on-premise service, you have your own data centers and servers, which are completely customized. At the same time, this requires large and regular investments.

## Fully Customized (Hall-as-a-service)

In this kind of service, we must rent the place and set up arrangements. Other than these two everything like food and decoration is in our hands. We can decorate the place as we want, with our choice of props. Food will also be of our choice.

In the same way, the IaaS is the most customizable to your needs. It can be compared to purchasing resources rather than physical servers for your company to expand. This is especially important as it takes care of the storage and maintenance portion of your business while allowing you to scale up quickly.



On top of that, IaaS solutions can easily be replaced whenever you need them without losing money or initial investment.



This solution is suitable for all businesses as it allows complete control over infrastructure and operates on a pay-as-you-use model, so it's the most cost-effective one.

While using IaaS for your business, your responsibility will increase as you must take charge of the runtime and services you require. With the vast array of services, it is of utmost importance to manage your cost as the competition is fierce in the space of IaaS

## Example of IaaS products

**Digital Ocean**

**Amazon Web Services (AWS)**

**Cisco Metacloud**

## Semi Customized(Walk-in-and-decor)

You can opt for PaaS when you want to decorate the hall on your own without being worried about the space, sitting arrangement, and buying props. You can focus on a selection of the theme, assembling the props, and decorating the hall as per your imagination. You must carry the tools required for decoration and arrange the food.

So here you can have a choice of the theme of decoration and the brand for the products being used in food, but you don't have a choice of brand for the props used in decoration.

And that's why it's called semi-customized.



In the same way, if you want some control over application and data, you can choose PaaS. In this case, you can still enjoy the luxury of having storage, networking, and servers managed by the provider.

PaaS provides you the platform where you can build your business and can scale up or down the software according to the demand of the time. Here you have got enough customization but at the same time, you are free from the hassle of coding required for faster development.

### Example Of PaaS

**Google App Engine,**  
**Openshift,**  
**AWS Elastic Beanstalk.**

## Party-As-A-Service:

Party-as-a-service means you can have everything arranged (a fully finished product) on just a call. You call any hotel and tell them your requirements about space, sitting arrangement, decoration, and food. You don't need to be involved in anything, just get ready for the party and you are good to go.

The world of SaaS is similar to this; you don't have to do anything. Just sign up for the service required for your business. This SaaS is basically nothing but a web application, running from the cloud and it can be accessed through a web browser.

This eliminates the headache of installing the software or managing the updates for hardware for any current or future users. These SaaS products are great for any kind of new projects as it takes care of any server maintenance and allows for the product to scale quickly

## Example of Saas Product

Paypal



Facebook



Zendesk







In SaaS products, we can customize some features, layouts, or users (props for decoration), but we don't need to worry about its deployment. It also means that we can't choose which brand of props they are using, and how creative they will do the decoration. If you don't like the decoration you can choose another hotel next time.

You can select any of the above-mentioned services according to your requirement. But sometimes you are unaware of the hidden costs.

We at CloudOpty help you to identify this hidden cost on Google Cloud. We also help you achieve the desired level of profitability, reliability, and performance.

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Learn more about how **CloudOpty** can help you with the end-to-end optimization of your cloud platform.



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