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CLOUD COMPUTING



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CLOUD SERVICE PROVIDERS

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Cloud Service Providers are the companies that offer network services, infrastructure or the business applications in the cloud. These cloud services are hosted in a data center using network connectivity that can be accessed by companies or individuals. Few different forms of services that can be used in the cloud by the CSPs include Software as a Service(SaaS), Platform as a Service(PaaS) and Infrastructure as a Service(IaaS).

Alibaba Cloud:

It is a chinese cloud computing company founded in 2009 by Jack Ma and Simon Hu. It is managed by Alibaba Group and has been renamed as Alibaba Cloud Intelligence in the year 2019.They provide cloud computing services to online business and Alibaba's own e-commerce ecosystem.They have 21 data center regions and 63 availability zones around the globe. Their academic partner was the Singapore University of Social Science. It was also rated as the fifth-largest [artificial intelligence](#) company.

Services Provided:

- Elastic Computing
- Data Storage
- Database Services
- Big Data Processing
- Networking
- Security
- Media Service

Security:

Anti-DDoS - They protect against high volume DDoS attacks.

ActionTrail - They maintain security and compliance.

SSL Certificate Service - They apply, buy and manage SSL certificates.

Web Application Firewall - They secure your WebApplications.

Products:

- POLARDB is a RDBMS developed by Alibaba. It uses a distributed shared-storage architecture. It provides upto 100TB of storage and up to 88vCPUs and 710GB of memory for computation. It was first released in 2017 for Beta testing.
- AnalyticDB is an Online Analytical Processing database system. It offers both MySQL and PostgreSQL versions. It runs on over 2000 physical machines on Alibaba Cloud. It was developed for high concurrent data processing with minimal delay.

References:

<https://www.alibabacloud.com/product?spm=a3c0i.239195.1450877540.1.618412bdeBAExB>

https://en.wikipedia.org/wiki/Alibaba_Group

WORKDAY SOFTCHOICE SERVICE PROVIDER

Afrah Hashmi (182MCA44)

Amtul Haseeba (182MCA49)

WORKDAY Service Provider:

Workday, Inc. is an American on-demand (cloud-based) financial management and human capital management software vendor. It was founded by David Duffield, in March 2005 and launched in November 2006. Workday Cloud Platform provides REST web services, or APIs. There are APIs for each one of the core apps like Workday HCM and Workday Financial Management, that allow us to read and update data. The starting Price is \$100/year/user. The workday cloud is user by Netflix, IBM, flex, centrica, Sun life.

Services provided by Workday cloud:

- Read/write core Workday data, including human resources, financials, student, and payroll data.
- Build apps with Workday look-and-feel.
- Build external apps using tools and frameworks of your choice.
- Use delivered services like core services, data and analytics services, conversation services, among others.
- Create apps using Workday organizational and security models.
- Build apps that are “safely updated”.

SOFTCHOICE Service Provider:

- Softchoice is an Advanced AWS Consulting Partner, and one of the first AWS Managed Services Partners in the world.
- It is one of the largest IT solution and managed service providers in North America.
- Softchoice was founded in 1989 by David Holgate and Jone Panavas.
- It is recognized today as the 2020 Microsoft Canada Partner of The Year.
- Softchoice is thrilled to announce that for the fifth year in a row it has been named one of the world’s top managed services providers.
- This is the second year that Softchoice placed third on the list of the top 501 managed service providers around the globe.
- Softchoice was recognized for its innovation and leadership in supporting customers’ business growth through the adoption of cloud technologies and productivity and collaboration solutions.
- It also ensures products get to our customers quickly and in a trouble-free way.

- Softchoice was honoured among a global field of top Microsoft partners for demonstrating excellence in innovation and implementation of customer solutions based on Microsoft technology.

Features:

- Proactive remote monitoring
- Management of day-to-day technology operations.
- Performance reporting and insights.
- Break/fix support for IT and end users.
- Third-party contract management.
- Technology mentorship and best practices guidelines.

References:

<https://www.softchoice.com/about-softchoice>

<https://www.workday.com/en-us/company/partners/services-partners.html?q=&partnerType=Services%20Partner>

CITRIX CLOUD SERVICES AND NIPPON DATA

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INTRODUCTION:

Citrix Cloud services simplify the delivery and management of Citrix technologies, helping you to extend existing on-premises software deployments or move one hundred percent to the cloud. Create and deploy secure digital workspaces in hours, not weeks, while placing your sensitive app, desktop and data resources on any cloud or hybrid cloud.

Add-on services can be added to a Citrix Workspace package that does not already include the service.

CITRIX CLOUD SERVICES:

- Microapps
- Virtual Apps and Desktops service
- Endpoint Management
- Citrix Secure Browser
- Citrix Gateway
- Citrix Analytics
- Citrix Application Delivery Management
- Citrix Content Collaboration
- Citrix SD-WAN Orchestrator

INTRODUCTION:

Nippon Data's Solutions and Services in the cloud helps customer migrate and expand on cloud with focus on reducing costs and growing business.

SERVICES INCLUDE:

- Office 365
- IT Infrastructure as a Service.
- Exchange Online Email for Business.
- Platform as a Service – Azure.
- Skype for Business.
- Backup as a Service
- Mailing as a Service
- Application as a Service – ERP, CRM and BPM
- Core IO and Other Technologies as a Service

- End-To-End Expertise, from Business Benefit Assessment to Delivery Migration from On Premise to Cloud or Hybrid Environment Cloud System for Building Private Cloud
- Backup and Disaster Recovery Solutions
- Managed Services
- Managed Security Services

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<https://docs.citrix.com/en-us/citrix-virtual-apps-desktops-service.html>

<https://docs.citrix.com/en-us/citrix-cloud.html>

CLOUD SERVICE PROVIDERS

**MEGHANA
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SoftLayer

IBM Softlayer is a public cloud computing platform that offers a range of services, including those for compute, networking, storage, security and application development. Which was originally founded in 2005.

Cloud administrators and users access IBM SoftLayer services over the Internet.

IBM SoftLayer is largely considered infrastructure as a service (IaaS), a form of cloud computing in which a third-party provider hosts hardware, software and other infrastructure components on its users' behalf.

IBM SoftLayer cloud storage offerings include block, file, object and backup services. Additional IBM SoftLayer services include security offerings, such as firewalls.

IBM SoftLayer is broadly regarded as a competitor to other public cloud platforms, including Amazon Web Services (AWS), Microsoft Azure and Google Cloud Platform.

Bluelock

It is founded in 2006 BlueLock, a little-known cloud-computing services provider, Bluelock provides flexible IT infrastructure services such as cloud computing, VMware, virtual datacenters and related solutions. BlueLock is an Infrastructure-as-a-Service company that specializes in Cloud Computing and disaster recovery.

Bluelock Virtual Datacenter (VDC) technology focuses on security, availability and premier services, which allows you to host your workload in a safe, secure and cost efficient location without worry.

Bluelock clients host their production workloads in Bluelock Virtual Datacenters, located in a secure, high availability physical datacenters in the top 3% of the market.

The Company offers its technology services under an infrastructure-as-a-service (IaaS) model, which includes physical IT infrastructure (servers, routers, firewalls, switches and storage devices) Bluelock uses 10 technology products and services including HTML5, Google Analytics, and jQuery.

REFERENCE:

- "IBM to Acquire SoftLayer to Accelerate Adoption of Cloud Computing in the Enterprise: IBM to Form New Cloud Services Division". *News release*. IBM. June 4, 2013. Retrieved June 5, 2013.
- Cloud, Nick Hardeman in The Enterprise; September 23, in Cloud on; 2013; Pst, 12:04 Pm. "Softlayer: The bare metal IaaS provider". *TechRepublic*. Retrieved 2020-08-05.
- Bluelock Virtual Datacenter <http://www.bluelock.com/bluelock-cloud-hosting/virtual-datacenters/>
- Bluelock Security <http://www.bluelock.com/information-center/security/>

IBM Cloud – SERVICE PROVIDER

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SUMALATHA.M (18MCA20)

Introduction

IBM Cloud is one of the service providers which helps the business accelerate their journey to cloud and become cognitive enterprises. It offers smart cloud offering which was launched in April 7, 2001. It provides access to large team of experts and also provides access data from different locations.

Features of IBM Cloud

- * Flexibility
- * Scalability - Cloud infrastructure scales on demand to support fluctuating workloads
- * Storage options - public, private or hybrid storage offerings, depending on security needs and other considerations
- * Tool selection - Users can select from a menu of prebuilt tools and features to build a solution that fits their specific needs
- * Security features

IBM Cloud Services



Accern – low-latency news sentiment API feed to build custom trading strategies



AccountScore – Multi region transaction



Alloys - Helps financial institutions integrate multiple sources of data increase the number of customers



App ID – Authentication



Car Diagnostic API - assess the health status of a vehicle



Hardware Firewall - Preventing malicious activity from ever reaching your servers or end users



Health Score - overall health of a person



Internet of Things Platform



Payeezy - accept payments

Push Notifications - real-time notifications to mobile and web applications

IBM Cloud Pricing

Pay-as-you-go: billed only for the resources that are used without the hassle of commitments.

Few services are free to use up to certain limit and have to pay further as the usage done

Conclusion

IBM cloud is one well known service provider offered by IBM. Free services offered by IBM can be used by anyone without any initial payment to understand the importance of cloud in various applications as it is discussed in the services.

References

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<https://cloud.ibm.com/docs/overview?topic=overview-what-is-platform>

<https://cloud.ibm.com/functions/>

<https://searchcloudcomputing.techtarget.com/definition/IBM-Bluemix>

<https://cloud.ibm.com/catalog#services>

ORACLE CLOUD

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Oracle Cloud is a cloud computing service offered by Oracle Corporation providing servers, storage, network, applications and services through a global network of Oracle Corporation managed data centers. Oracle Cloud provides Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), and Data as a Service (DaaS). These services are used to build, deploy, integrate, and extend applications in the cloud. This platform supports numerous open standards, open-source applications, and a variety of programming languages, databases, tools, and frameworks including Oracle-specific, Open Source, and third-party software and systems. Oracle's cloud solutions are set up in Data Regions, which directly correspond to Oracle Data Center locations. When selecting a region, it is important to pick the region that offers the service you are looking to purchase along with the closest proximity to the intended Oracle Cloud user community. Not all services are available in every region.

Currently, there are four main geographical regions:

North America, Europe, Middle East, and Africa, Asia Pacific, Japan

Companies using Oracle cloud

Zoom Video Communications, Samsung, Yamaha Corporation, Dropbox.

Pricing :

- Oracle Cloud offers a competitive low-cost cloud where you only pay for those services that you use and some services are included automatically.
- Once you sign up for an Oracle Cloud account, you have access to all eligible IaaS and PaaS services.
- You can pay as you go or save money with the pay in advance for a locked in on an annual basis based on estimated monthly usage, which is called the Monthly Flex Plan.
- To estimate your cost, Oracle has developed an online web based tool to assist in figuring out your cost for IaaS and PaaS.
- For SaaS pricing, you will need to contact an Oracle Sales Representative for an accurate quote.

Reference:

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https://en.wikipedia.org/wiki/Oracle_Cloud

<https://www.sam-solutions.com/blog/amazon-aws-vs-oracle-cloud-platform-a-comparative-analysis/>

BACKBLAZE

**DEEKSHITHA R KADAM
(182MCA54)**

Cloud storage solution designed to help business back up their critical data in the cloud.

It offers two products:

- a) **B2 Cloud Storage** - An object storage service similar to Amazon's S3.
- b) **Computer Backup** – An online backup tool that allows Windows and MacOS users to backup their data offsite.
 - It was founded in 2007
 - It allows the user to back up data continuously, manually, when the computer is idle, or on an hourly schedule.
 - Backblaze has four data centers; three are in the United States and one is in Europe.
 - It uses AES algorithm for security.

FEATURES:

1. It is a reliable solution that provides low-cost backup solutions for personal users and business of all types.
2. Scheduled and Automated Backups, Unlimited File Types, Unlimited Storage, Restore and Access, Unlimited File Sizes

BENEFITS:

1. Easy to Use
2. Secure Encryption
3. Backup All Types of Data

JIRA CLOUD SERVICES

- It delivers a cloud-based platform that teams use to plan, track the files or documentation.
- It gives high availability and disaster recovery.
- Automatically notify the right people whenever an issue needs attention.

Features:

1. Unlimited custom fields, Advanced reporting, Advanced security and administration.
2. Easily import data from other systems, Mobile interface.

STORAGE

Free-2GB

Standard-250GB

Premium-Unlimited Storage

SNOWFLAKE



PREETHI.C (182MCA41)

GAYATHRI K S (182MCA40)

A cloud service provider is a third-party company offering a cloud-based platform, infrastructure, application, or storage services. Snowflake offers a cloud-based data storage and analytics service, generally termed "data warehouse-as-a-service". It allows corporate users to store and analyze data using cloud-based hardware and software. Snowflake is an analytic data warehouse provided as Software-as-a Service (SaaS). It was listed as No. 2 on Forbes magazine's Cloud 100 list in 2019. And it was ranked No. 1 on LinkedIn's 2019 U.S. list of Top Startups.

Snowflake provides a data warehouse that is faster, easier to use, and far more flexible than traditional data warehouse offerings. The Snowflake data warehouse uses a new SQL database engine with a unique architecture designed for the cloud. To the user, Snowflake has many similarities to other enterprise data warehouses, but also has additional functionality and unique capabilities. Snowflake's data warehouse is a true SaaS offering. More specifically: There is no hardware (virtual or physical) for you to select, install, configure, or manage. Snowflake is not packaged software offering that can be installed by a user. Snowflake manages all aspects of software installation and updates. Snowflake runs completely on cloud infrastructure. All components of Snowflake's service (other than an optional command line client), run in a public cloud infrastructure. Snowflake partners with leading IaaS data services providers (Amazon Web Services, Microsoft Azure, Google Cloud Platform) to deliver highly elastic data storage, analytics, and sharing to enterprises of all types and sizes.

Snowflake compute resources are charged at a rate of \$0.00056 per second for a credit on an on-demand Standard Edition platform. This works out at around \$2.00 per hour for an extra-small virtual warehouse on AWS Europe. Snowflake only charges for compute time while the virtual server is running, and is applied on a per-second basis after the first 60 seconds. In a single platform snowflake provides access to: A Modern Data warehouse, Security Exchange, Augmented Data Lakes. Snowflake partners with leading IaaS data services providers (Amazon Web Services, Microsoft Azure, Google Cloud Platform) to deliver highly elastic data storage, analytics, and sharing to enterprises of all types and sizes.

REFERENCES

[1] <https://www.snowflake.com/>

[2] <https://www.analytics.today/blog/what-is-snowflake-datawarehouse>.

AWS KINESIS

T.Akilandeswari (18MCA02)

K.Shilpa(18MCA17)

Introduction:

Amazon kinesis is one of the best managed services which particularly scaler easily especially for real time processing of data. This amazon Kinesis is used to collect streamline the process and analysis the data so that easily we can get the perfect insights as well as the quick response with respect to the information. Through the amazon kinesis you also get the real time data like the audio, video, application logs. These techniques by the Amazon will help you to analyse and process the data instantly of waiting for long as after collecting the data.

Advantages:

- Real time
Amazon kinesis enable you to insert buffer and processing streaming data in real time. So that you can derive insights in seconds or minutes instead of hours or day.
- Kinesis data stream
These is used to build the real time custom model application.
- Kinesis data analytics
It is one of the easiest way to order to process all the real time technique SQL.
- Scalable
Kinesis can handle any amount of data and process data from hundred thousands of sources with very low or minimal Latency.

VERIZON CLOUD

Introduction:

- Verizon is a telecommunication company which provides a cloud service as storage service.
- It Sync and save your important contacts, photos, videos, music, documents, call logs and even text messages with Verizon Cloud's secure storage.
- Verizon Cloud service includes use of the following three applications:
- Most android smartphones, tablets and IOS devices.
- The Verizon Cloud desktop application for your computer or laptop.
- My Verizon on a computer Windows, Mac or Linux with an Internet connection.
- Verizon Cloud storage is free, 1 TB of storage is \$9.99 per month and 500 GB storage is \$5 per month after a free one month trial.

References

<https://aws.amazon.com/kinesis/>

<https://www.verizon.com/business/products/security/network-cloud-security/verizon-cloud/>

Amazon Elastic Compute Cloud (EC2)

S.Vijayalakshmi(182MCA53)

S.Poornima(18MCA38)

- It is a simple service that provides secure, resizable compute capacity in the cloud.
- we can use Amazon EC2 to launch as many or as few virtual servers as we need, configure security and networking, and manage storage.
- It provides complete control to user computing resources and it lets user to run on Amazon proven computing environment.

► Services

- Reliable, Scalable, Infrastructure on demand.
- Vast breadth and depth of compute service.
- Security is their top priority.

► Pricing

- Spot instance : allows user to request spare EC2 computing capacity for up to 90% off the on-demand price.
- Reserved instance : It provides significant discount[upto 75%]compared to on-demand instance pricing.
- Dedicated Hosts:it helps user to reduce costs by allowing user to use the existing servers softwares
- Per Second Billing:User have to pay for only what user used.
- Free : Free for 750 hours of windows and Linux
- On-Demand : pay for compute capacity by the hour or the second depending on which instance we run.

1&1 Cloud service

- It is a web service company, Founded : Germany in 1988(currently owned by united internet)
- It provides the unlimited flexibility, can access data from anywhere. Synchronization, Collaboration.
- Security purpose: Secure, Private, Stays in control.
- It offers a standard monthly web hosting charge,It reduces the price if user willing to sign up for multi-month or annual packages(For \$9 per month it offers 100GB of storage.)

REFERENCES:

- <https://aws.amazon.com/ec2/?ec2-whats-new.sort-by=item.additionalFields.postDateTime&ec2-whats-new.sort-order=desc>
- <https://www.ionos.com/enterprise-cloud>

GOOGLE CLOUD AND NAVTECH PLATFORM

Kavya S(182MCA51)

Pranathi S(182MCA37)

1.GOOGLE CLOUD PLATFORM:

Google cloud platform enables developers to build, test and deploy applications on google's highly scalable and reliable infrastructure. It is a set of modular cloud-based services that allow you to create anything from simple websites to complex applications.

Owner - Google

Industry - Web service,cloud computing

URL – cloud.google.com

Launched – April 7,2008,12 years ago.

Current status – Active

Written in – Java,C++,Python,Go,Ruby.

Partners using GCP:

- Coco cola
- Wix.com
- Philips
- Snap chat
- Spotify

2. NAVTECH PLATFORM:

Navtech is a Cloud Computing and Mobile App Development Company. Branches are in California, New York, San Francisco, and Boston- USA, and the UK. Cloud Computing Services with a vision to deliver secure and cost-effective solutions for Public, Private & Hybrid cloud services.

Benefits:

- Scalability
- Mobility
- Storage
- Scope for Innovations
- Security
- Low cost solutions

Partners using Navtech:

- Microsoft.NET Framework
- MySQL
- Node.js
- Mongo DB
- AWS

REFERENCES:

Google cloud platform:

- <https://cloud.google.com/terms/services>
- <https://searchcloudcomputing.techtarget.com/>
- <https://medium.com/google-cloud/>

Navtech Platform:

- <https://www.navtech.io/>
- <https://extract.co/navtech>
- <https://gust.com/companies/navtech/>

TRESORIT

Nikhila W (18MCA24)

Mamatha N (18MCA09)

Tresorit helps you store and share files and documents securely in the cloud. End-to-end encrypted, easy access anytime, anywhere. Save you're to a secure place, create memos about meetings for you your team and access them in shared folders on the go- and be sure that no one can read your files besides you and those who you share with. Tresorit uses built-in end-to-end encryption with zero-knowledge standards to guarantee the highest level of security. All your files are encrypted on your device before they are uploaded to the cloud, which means no one else can read them besides you, no hackers, no authorities, not even Tresorit's IT admins.

Tresorit features:-

- Create shared folders with your friends or colleagues, access their contents securely on any Android device
- Backup your photos in a secure place with end-to-end encrypted camera upload
- Keep control of your files by managing permissions
- Share files securely even with those without an account: send encrypted links instead of risky attachments
- Create favorite tresors, access and edit your files even when you are offline
- Protect your account with 2-factor authentication and app pass code to ensure no one has access to your tresors - even if someone gains access to your phone
- Say no for tracking: Tresorit for Android accesses the least it has to. No location tracking, no access to your contacts
- Tresorit for Android features the same end-to-end encryption and security as the desktop apps

References:-

- https://tresorit.com/business?gclid=Cj0KCQjw2or8BRCNARIsAC_ppyZvjngH11uajH9rzANGwwFyU_GoS9jzkFtCDUNdWYXMtuPOIPc1J2gaAjESEALw_wcB
- <https://play.google.com/store/apps/details?id=com.tresorit.mobile>

Massive grid and Egnyte

Sudeshna Bose(18MCA19)

Massive grid:

CEO: Bill Stoidis (26 May 2016–)

Headquarters: London, United Kingdom

Founders: Aggelos Vlavianos

Platforms:

- **Platform as a service(PaaS):** Git lab, OwnCloud ,MongoDb replica set etc.
- **high availity web hosting:**
 - Word press Hosting – 14 days free Trial
 - OwnCloud Hosting – 14 days
 - Kubernetes Web Hosting – 14 days
 - Agento Web Hosting – 14 days

Features: Low Latency, High quality Band width, High Availability Architecture, Flexible and scalable web Hosting.

Price of high availity web hosting:

- **HA cloud servers :** \$16.25
- **HA dedicated servers:** \$42.25
- **HA private clouds:** \$101.75
- They r providing full customize capacity.(like they had 200 worldwide tier-4 data centers so they can manage private IT infrastructure from anywhere in the world, on promises IT infrastructure, large scale deployments)
- **Massivegrid.com** has a estimated value of **\$240**. It receives around **176** unique visitors per day and **352** daily page views which may earn a revenue of **\$1.00/day** from different advertising sources.

Security: Free DDos protection, premium encryption, remotely manage key distribution.

Patnership:

- Microsoft
- dell
- cloudlinuxOS
- VMware and many more

Egnyte:

Headquarters location: Mountain View, California, United States

Key person: Vineet Jain

Founded: 2007

Technology

As of 2020, the Egnyte Content Services Platform emphasizes specific areas of enterprise content management:

- Content governance
- Compliance
- Content intelligence
- Remote working

Supporting Brands:

PCL, RedBull Yamaha ,Adroll etc.

References:

1. https://massivegrid.com/?gclid=Cj0KCQjw2or8BRCNARIsAC_ppybwrapkan9MmAcmLlqHtK8vlPONjA1pbwZBx4J0ppNfFbWCBsd2Q_oaAqWAEALw_wcB
2. <https://www.egnyte.com>

MICROSOFT AZURE AND CLOUD - myNav Service Provider

Rakshitha V

Manisha Buragoin

MICROSOFT AZURE: Azure is a cloud computing platform and an online portal to access and manage resources and services provided by the Microsoft. It was launched on February 1st 2010. It is free to start and also provides pay-per-use model. 80% of fortune 500 companies use Azure services and it also supports multiple programming languages like C#, Node JS, Java etc. Azure services are divided into 18 categories and contain more than 200 services. It has services like compute, ANN machine learning, integration, management tools, identity, devops, web and so much more. Now let us know in detail some of the services provided by azure. Under compute service we come across virtual machine which create windows or linux virtual machines of any configuration in a matter of seconds. Next is the network service under which we come across azure CDN. Azure CDN services are used for delivering high bandwidth content to users worldwide Under storage we have disk storage which provides cost-effective HDD/SSD options which can be used with azure virtual machines. There are many uses of azure now let us know how azure can be used firstly for application development, it would be of any application mostly web applications, we can test the applications and see how well it works, we can host the applications on the internet, also to create virtual machine of any size or RAM we want, we can integrate and sync features, and we can collect and store metrics for example how the data works, how the current data is and how we can improve on it these services are able to provide large amount of storage where data can be stored.

CLOUD - myNav: This is the cloud service provided by Accenture. The cloud landscape is constantly changing-myNav helps us to navigate these changes to build a cloud solution that fits your strategic business needs. myNav is a new cloud platform designed to assess, disposition, architect and simulate cloud solutions at scale to determine which will best fit your business requirements, myNav is unique in the market, taking the guesswork out of cloud solutioning-lowering risk, cost and the time required to achieve your strategic business objectives. It helps us to navigate the cloud and select the right architecture and cloud solution to meet your specific business needs. myNav arrives at a recommended cloud solution by a specific cloud infrastructure posture is recommended(public,private,hybrid etc.)based on strategic business needs. A recommended cloud architecture is identified using an automated AI engine to interact with accenture's cloud expertise repository. The recommended cloud solution is validated and optimized through simulation and testing at scale. Its features include it is used for a better business case which quickly creates a cloud business case enriched with industry benchmark data. It is used for leverage cloud experience with AI, and it enhance the accuracy of cloud engineering requirements, and it reduce risk with a cloud migration plan based on proven industry and business specific migration rules.

BOX AND OPENSTACK CLOUD SERVICE PROVIDERS

SHRESTA R(182MCA34)

TEJASHWINI N(182MCA42)

1.BOX

Box, Inc. (formerly **Box.net**), is an American internet company based in Redwood City, California. The company focuses on **cloud** content management and file sharing **service** for businesses

Box was founded in 2005.

Industry: Cloud storage, File hosting

Traded as: NYSE: BOX

Box is a cloud computing business which provides file sharing, collaborating, and other tools for working with files that are uploaded to its servers.

Box offers three account types: Enterprise, Business and Personal

There are official clients offered for Windows and macOS, but not for Linux. A mobile version of the service is available

You can store up to 10GB on it for free, and up to 100GB for a \$10 per-month fee.

Features

- Offline viewing
- Box Notes
- Third-party application integration
- Limited file versioning
- File sharing support
- Operating System integration
- 2-factor authentication



2.Openstack

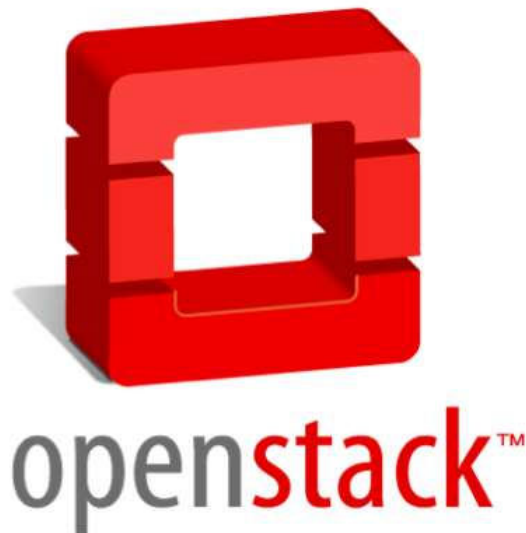
OpenStack is a [free open standard cloud computing](#) platform, mostly deployed as [infrastructure-as-a-service](#) (IaaS) in both public and private clouds where virtual servers and other resources are made available to users.

The software platform consists of interrelated components that control diverse, multi-vendor hardware pools of processing, storage, and networking resources throughout a [data center](#).

Users either manage it through a web-based dashboard, through [command-line](#) tools, or through [RESTful](#) web services

OpenStack began in 2010 as a joint project of [Rackspace Hosting](#) and [NASA](#). As of 2012, it was managed by the **OpenStack Foundation**, a non-profit corporate entity established in September 2012 to promote OpenStack software and its community.

More than 500 companies have joined the project.



In July 2010, [Rackspace Hosting](#) and [NASA](#) jointly launched an open-source cloud-software initiative known as OpenStack.

The mission statement was "to produce the ubiquitous Open Source Cloud Computing platform that will meet the needs of public and private clouds regardless of size, by being simple to implement and massively scalable".

The OpenStack project intended to help organizations offer cloud-computing services running on standard hardware.

The community's first official release, code-named Austin, appeared three months later on 21 October 2010, with plans to release regular updates of the software every few months.

The early code came from NASA's [Nebula](#) platform as well as from [Rackspace's Cloud Files platform](#).

The original cloud architecture was designed by the NASA Ames Web Manager, Megan A. Eskey, and was a 2009 open source architecture called OpenNASA v2.0.

The cloud stack and open stack modules were merged and released as open source by the NASA Nebula team in concert with Rackspace.

Reference

BOX

- <https://www.box.com/en-in/cloud-storage>

Openstack

- <https://www.openstack.org>

KAMATERA and SAP S/4 HANA Cloud Services

GOWRI. A(182MCA25)
ZAINAB FATHIMA (182MCA27)

SAP S/4 HANA Cloud

SAP S/4HANA is a future-ready enterprise resource planning (ERP) system with built-in intelligent technologies, including AI, machine learning, and advanced analytics. It transforms business processes with intelligent automation and runs on SAP HANA – a market-leading in-memory database that offers real-time processing speeds and a dramatically simplified data model.

Built On:

- SAP HANA in-memory database. This market-leading columnar database enables a dramatically simplified data model and incredible speed. Run analytical and transactions on a single database without separating OLTP and OLAP.
- SAP Fiori provides SAP S/4 HANA with consistent look and feel across the entire ERP system on all device types. It delivers an intuitive role-based UX that improves both employee productivity and satisfaction.

Benefits:

- Real-time advanced analytics: Better forecasting and faster decisions.
- Embedded AI Technology: Enables improved insight and performance.
- 100 times faster reporting: Allows for resilient, agile decision making.
- 50% reduction in data footprint: Due to in-memory, columnar database.
- Competitive edge and better workflows: With industry-specific business processes.

Capabilities:

- Finance: SAP S/4HANA can help enable subscription-based revenue models, simplify accounting and financial close processes, improve treasury and financial risk processes, support collaborative finance operations, simplify real-estate management and more.
- Supply Chain: Provide more accurate commitment dates, integrate transportation management, streamline warehouse management, optimise inventory levels and processes.
- Manufacturing: It can help you improve production planning, support complex assembly processes, accelerate operations, support seamless manufacturing engineering, enhance quality management.
- R&D and Engineering: Improve project control and product development, manage enterprise projects effectively, streamline product life cycle management, speed up product engineering processes, boost efficiency with requirement-driven processes.

Pricing:

Metric	Billing Block Size	Unit Price Per Month	Description
Trial Subscription	1	0.00 INR	For a period of 7-days

Capacity Units	1	67.00 INR	Capacity Units are the number of units consumed by the usage of the services as outlined in the solution specific product supplement.
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KAMATERA CLOUD SERVICE

Kamatera is a global cloud services platform provider, providing enterprise-grade cloud infrastructure products to organizations of all types and sizes. Kamatera is part of an international IT based service provider established in 1995. Kamatera is operating in 13 global data centers, with thousands of servers worldwide.

Kamatera Cloud Servers Benefits

Limitless Scalability

You can modify your cloud server's configuration such as CPU, RAM, disk storage, firewalls, and more. On top of that, you get charged for the features and functionalities you use.

Uptime Reliability

Kamatera guarantees that their cloud servers will run 99.95% of the time. This means you don't have to worry about your servers slowing down and affecting your entire business operations and processes.

Kamatera Cloud Servers Features

Assign roles to administrators or users, Root/administrator access to your servers, Instant server configuration changes, Add servers as and when required, Remove servers without paying a penalty, Through our proprietary API, you can set up servers and all other resources on-the-fly without being present, Stop and restart your servers at any time, Add databases of your choice (as many as you want), Choose your IP allocation, Complete control over subnet and private VLAN (Virtual Local Area Network), Unlimited storage

What Problems Will Kamatera Cloud Servers Solve?

- You are a site owner, and your shared hosting is too “weak” for your needs and for your users** (too slow, long download time etc.) – you want better speed for your users and a better user's experience.
- Cloud Storage** – Instead of getting this service from someone else who offers you a “fixed program” of storage, Kamatera offers you a customizable package that is able to meet your needs and charges you based on your demand, even on an hourly basis.
- Back UP solutions and Recovery from Disaster (DRP)** – Hosting a server in your office requires an investment in protecting your server – physically (Fire Damage, Water damaged, Advanced cooling system, Backup power supply etc.) and Virtually (Cyber attacks, and Backup System).

Kamatera implements the tightest and strictest security protocols to secure your server and has all the works in place to back up the lost data/information.

CLOUD WAYS SERVICE PROVIDERS

TKPS Pragna Vallika (182MCA29)

E. Yogeshwari (182MCA26)

Cloudways is a Managed Cloud Hosting Platform that sets out on a mission to simplify the complexities of cloud hosting for developers, designers, ecommerce stores, and web agencies. Cloudways houses a feature-rich Web App Management Platform that can be used to easily launch cloud servers for the deployment of web apps. The Platform provisions from Digital Ocean, Vulture, Amazon, Google, and Kyup, with a user-friendly interface that offers integrated SSH, Git deployment, FREE SSL, API, CloudwaysBot, and hosts of other features and addons. Features of cloud ways includes dedicated environment, SSD based hosting, built in advanced caches, php 7 ready servers, Cloudways CDN, auto healing managed cloud services, free WordPress cache plugin, Redi's support, free magneto full page cache. The cloud ways hosting price for digital ocean starts from \$10/month, for linode it starts with \$24/month whereas for vultr the costs initiate with \$11.month, for AWS the pricing range begins with \$36.51/month and google cloud Cloudways costs \$33.63/month.

ADOBE SERVICE PROVIDER:

Every company is challenged to digitally transform the customer experience across every touchpoint. To do so, a platform that's agile, scalable, and globally accessible is essential. Adobe Document Cloud is the only productivity solution that integrates Adobe's pioneering PDF technology with the Acrobat and Adobe Sign apps to deliver 100% digital experiences to employees and customers. Creative Cloud is a collection of 20+ desktop and mobile apps and services for photography, design, video, web, UX, adobe fonts, behance, creative cloud libraries, adobe portfolio and storage. Some of the features of adobe are photoshop, aftereffects, lightroom, InDesign, adobe premium pro, illustrator, adobe XD, acrobat DC and more. Creative Cloud Plans & Pricing is classified and distributed among individuals, business, school & students, schools & universities. Creative Cloud for students includes the world's best creative tools. Photoshop, Illustrator, and more and a portfolio website to showcase work and get hired Apps to create and share photos, videos, and graphics anywhere. The price is US\$19.99/month.

References:

<https://www.cloudways.com/en/>

<https://www.cloudways.com/en/pricing.php#digitalocean>

<https://www.adobe.com/creativecloud.html>

<https://www.adobe.com/creativecloud/pricing-info.html>

<https://www.adobe.com/creativecloud/plans.html?promoid=P3KMQYMW&mv=other>

Cloud computing Service Providers

Madhu Shree S M 182MCA27)

1) Cloud sigma

- Cloud sigma is a pure cloud IAAS provider.
- Founded in 2009 in switzerland.
- It is one of the most customizable cloud providers on the market.
- We can create the combination of CPU, RAM, Storage and bandwidth we require.
- Provides – High performance range Intel,Ram modules and hard drives.
- Provides API which includes libraries such as fog, lib-cloud, golang etc..

Features :

- True high performance
- All 10GigE Networking
- Elegant API
- Wide Resource ranges
- Free resources

Pricing :

- Cloud sigma offers simple and transparent approach to pricing.
- They bill based on the resource consumption like CPU,Ram,storage,data usage.

2) Prolifics

- Founded in 2010 feb 24 [Headquarters – Florida]
- It offers services for various industries,Banking and finance , Insurance etc..
- It provides digital consulting , managed services which includes cloud,data and analytics,Quality assurance etc..

Features :

- It can give service of the cloud architecture,cloud migration.
- Provides solution for continous integration and continous delivery,Infrastructure as code.
- Services like AI and ML, data management are available with prolifics.

Services :

- Cloud
- Data Analytics
- Quality Assurance

Industrial Solutions :

- Banking and finance
- Healthcare
- Insurance.

References :

- <https://www.cloudsigma.com/all-you-need-from-your-cloud-partner-as-an-it-services-provider-stability-performance-a-good-partner-program/>
- <https://prolifics.com/cloud/>
- <https://www.cloudsigma.com/cloudsigma-with-hpe-delivers-innovative-cloud-services-around-the-globe/>

MESSAGEOPS-CLOUD SERVICE PROVIDER

AISWARYA.S. PILLAI

(18MCA01)

INTRODUCTION:

MessageOps is the top Cloud Solution Provider with over 60,000 members as their single point of contact for thousands of Microsoft Office 365 users to handle their direct billing, provisioning, management, support, and delivering value-added services. They are into End-to-end cost monitoring, support, adoption, and training services to optimize your environment and deliver maximum productivity. MessageOps also offer backup and data-recovery-as-a-service for your physical servers and virtual servers, across Windows, Linux, OS/400 and AIX. Their managed Azure services include performance monitoring, security and compliance, cost optimization and patch management. In fact, we offer patch deployment and service pack installation across all your services we handle. They can also take care of security, providing Security Information and Event Management (SIEM) as a Service, either fully-managed or co-managed, as well as Mobile App Security as a Service. Microsoft's cloud storage solution OneDrive far exceeds the functionality of rivals like Dropbox, Google Cloud and Box. It's part of the Microsoft ecosystem, so it's integrated with all your other business applications. And when you choose MessageOps, their deep Microsoft cloud expertise means you get maximum value from your OneDrive or Office 365 migration.

They are also into effective transition support, Access fast and efficient OneDrive migration from Box, Dropbox, Google Suite, or on-premises infrastructure. They convert Google Docs and others into native Microsoft formats, while seamlessly preserving version histories, comments, metadata, and permissions in the new environment.

Their Services:

- Azure: storage and end-user account administration (Azure AD)
- Enterprise Mobility: design, infrastructure architecture, training, security, end-user authentication
- Cloud Readiness Assessment
- Cloud Consulting
- Azure Active Directory Premium
- Multi-factor authentication
- Enterprise Mobility Suite (EMS)
- Microsoft cloud backup
- Azure storage services
- Data loss prevention

REFERENCE

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pCloud CLOUD SERVICE PROVIDERS

Celestine Jeena J
(18MCA06)

pCloud is your personal cloud space where you can store all your files and folders. The software is available for almost any devices and platforms **iOS** and **Android** devices, **MacOSX**, **Windows OS**, and all **Linux** distributions. By installing pCloud on your computer (through its desktop application **pCloud Drive**), the app creates a secure virtual drive which expands your local storage space. Every change you make in your pCloud can be seen immediately on your computer, phone or tablet. All your devices are instantly synchronized and you have direct file access to any update you make.



Features

File Management

No matter how many files and folders you store in the pCloud, all of your data will be at your fingertips. Regardless of how you use your space in the cloud - via web, desktop or mobile - your files are truly easy to manage.

Search

A search field is available at the top part of the pCloud web interface and the mobile applications. Simply enter the name of the file or folder you are looking for, and it will be found in an instant.

Filter

You can filter your files by their file format. The pCloud filters are the quick search icons in the left-hand side menu (for web and mobile): Documents, Images, Audio, Video and Archives. Clicking on them opens a list of your filtered files.

Trash

The files you have deleted from your pCloud account will stay in your Trash folder for a specific number of days, depending on the plan you are using. For Free plans this period is 15 days. Premium/Premium Plus/Lifetime users get 30 days. Naturally, you can empty your Trash folder any time you like.

There are also other features available such as:

- File sharing and Synchronization
- Security and Encryption
- Accessibility and Unlimited Capabilities
- File versioning and Integrations

CtrlS and Zendesk Cloud Service Providers

S. Leishipem Sophia (18MCA15)

Introduction

Cloud Service Providers comes in efficiency and economies of scale. Many CSPs are focusing on providing high levels of service and security and also hosts data storage and applications. Cloud Service Providers are companies that offer network services, infrastructure, or business applications in the cloud. The cloud services are hosted in a data center that can be accessed by companies or individuals using network connectivity. Every organization, small and medium businesses started adopting cloud-based technologies due to the flexibility offered. We are going to learn some insights mainly on these two cloud service providers:

1. CtrlS
2. Zendesk

CtrlS is India's only and Asia's Largest Tier 4 Datacenter & IT managed services provider. It has developed the capabilities to provide platform level services and is among the top data centres in India, offering cloud hosting, network solutions etc. It offers both Public and Private cloud services and provides 45 days of free trials. Its Data Center locations are located in Hyderabad, Mumbai, Delhi, Noida and Bangalore. With their Cloud controller server, we can have complete control over system architecture. We can deploy more servers, put up applications, and perform maintenance and upgrades. It offers security for real-time control, specialized and dedicated hosting. CtrlS Intrusion detection software helps prepare for, deal with and fend off attacks on our network from DDoS attacks, port scans to back door attacks. Its intrusion detection system detects and isolates infected systems and protects the rest of our infrastructure from worms, trojans, viruses, root kits and spyware. It gives us the kind of control and customisation. Customers who have benefited are Panasonic and DBS.

Zendesk is a customer service software company headquartered in San Francisco, California, USA. It is easy to use, but it can be hard to deliver a customer experience that really stands out. It is a customer support platform that lets you connect with customers on any channel. It has other features like Ticketing System and Knowledge base. Zendesk offers a cloud service that handles an enterprise's technical and customer support. It can more easily be integrated into a company's business than setting up their own help desk. It provides self-serve portals for customer support, live support, and voice support. It offers free trial for 14 days. The users are able to launch, optimize and transfer. It makes it easy to create, customize, and use one or more knowledge bases and bring all customer interactions to one easy to use platform. Their platform offers all the customer relationship management (CRM) tools we need in an industry-leading cloud platform. Popular customers who have benefited are Uber and Tesco.

Conclusion

As CSPs have grown rapidly and required new levels of scalability and management they have had a large effect on computing, storage, and networking technology. The CSP boom to a large extent has driven demand for virtualization, in which hardware can be segmented for access by different customers using software techniques. The growth of the CSPs over the last ten years has also driven some of the fastest growth in technology segments ranging from servers to switches and business applications.

References

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[2] <https://en.wikipedia.org/wiki/CtrlS>

[3] <https://en.wikipedia.org/wiki/Zendesk>

[4] <https://www.getcloudapp.com/blog/what-is-zendesk>

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[6] <https://www.zendesk.com/customer-experience/professional-services/#professional-services>

CENTURYLINK AND SERVICE NOW CLOUD PROVIDER

Brunda.V (182MCA35)

Ankitha.KV (182MCA30)

CenturyLink is one of only a few **providers** worldwide with managed **service** certification for AWS, VMware and Microsoft Azure clouds.

Why CenturyLink?

- CenturyLink Cloud is the complete platform to manage your IT infrastructure and application portfolio... from application development to business-critical workloads across public and private cloud infrastructure.
- CenturyLink Cloud offers highperformance, scalable, self-service virtual machines across our global network of data centers. Built-in automation, orchestration, and management tools provide a flexible, scalable, cost effective IT-ready and developer-friendly platform...

CenturyLink Infrastructure-as-a-Service (IaaS) Cloud Platform offers on-demand provisioning of high-performing virtual machines with any combination of operating system, storage, and memory.

Features:

High Performance

Run your application on a cloud platform built with enterprise-class hardware all the way from the firewalls to the virtual machine host servers. High-speed 10GB networking between application tiers prevents bottlenecks and hybrid SAN/spindle disks deliver a minimum of 2,500 IOPS and up to 20,000 IOPS.

- **70% Max Allocation to Accommodate Spikes**

Each virtual machine host server is closely monitored to ensure that CPU and RAM never surpass 50-70% utilization to allow for enough headroom for spikes at peak traffic.

- **New Hardware, Top Performance**

Each CenturyLink Cloud node is made up of best-in-class, enterprise-grade hardware. We partner with industry-leaders for all aspects of our infrastructure, from servers to storage and network to security.

- **High Speed Networking**

Network speed between application tiers will never be an issue on our Cloud Platform, as we deliver up to 10Gbps per vNIC, employ [load balancers](#) that deliver up to 1Gbps, and leverage [firewalls](#) that delivery up to 6Gbps.

- **Low-Latency, High-Throughput Storage**

For all CenturyLink Cloud storage options, the I/O throughput will reach 6 Gbps, latency is less than 5ms, and storage performance has a maximum IOPS of 20,000.

ServiceNow

ServiceNow (Service-now in 2011) is an American software company based in [Santa Clara, California](#) that develops a [cloud computing](#) platform to help companies manage digital workflows for enterprise operations, and was also recognized for innovation¹. Founded in 2004.

- ServiceNow Cloud Management's primary feature is its Cloud User Portal. The self-service database allows users to request cloud resources using a multi-cloud self-service catalog.
- They are also provided with visibility into the cost, quota, usage of their resources in order to oversee the lifecycle and health of their cloud resources.

Features:

- **Easier User Experiences**

Users can access their personalized services catalog the way they want, order new services, and make requests or check on incidents affecting resources. The user experience is simplified and provides on-demand access to cloud resources, so we can deliver great customer experiences—faster.

- **Faster Delivery of Cloud Services**
- **Control Cloud Costs**

MILESWEB CLOUD SERVICE PROVIDER

Isukapalli Divya(182MCA39)
Nancy Chellam E(182MCA45)

MILESWEB:

MOTTO: Your hosting our responsibility

[MilesWeb](#), based in India, builds, hosts, and manages websites for companies around the world. These include informational websites, blogs, personal websites, and e-commerce websites. The company differentiates itself from competitors by offering 24/7 technical assistance that helps maximize uptime for more than 10,000 customers.

- Deepak Kori -Founder & Executive Director
- Founded 2012
- Headquartered- India
- 20,000+ Happy Customers
- Highest Rated Web Host
- 24/7 Support
- Tier-3 and Tier-4 Datacenter

Plans: Buy & Renew at same cost!

- TYRO:**1GB**-SSD Disk Space, **Unlimited** –Bandwidth, **2GB** RAM, ₹40/mo
- SWIFT: **Unlimited**- SSD Disk Space, **Unlimited**- Bandwidth, **3GB** RAM, ₹130/mo
- TURBO: **Unlimited** -SSD Disk Space, **Unlimited** –Bandwidth, **5GB** RAM, ₹170/mo

Reference:

- <https://www.milesweb.in/clients.php#:~:text=If%20you%20are%20looking%20to,Big%20thumbs%20up%20to%20MilesWeb>.
- <https://www.quora.com/Why-is-MilesWeb-web-hosting-gaining-more-popularity>
- <https://www.googleadservices.com/pagead/aclk?>

AT&T INTEGRATING 5G WITH MICROSOFT CLOUD TO NEXT-GENERATION SOLUTIONS ON THE EDGE

Microsoft and AT&T are ramping up innovation in their strategic alliance. One area of focus is aimed at enabling new 5G, cloud and edge computing solutions to drive enterprise capabilities for companies around the world.

The companies are opening select preview availability for Network Edge Compute (NEC) technology, which weaves Microsoft Azure cloud services into AT&T network edge locations closer to customers. This means AT&T's software-defined and virtualized 5G core – what the company calls the Network Cloud – is now capable of delivering Azure services. NEC will initially be available for a limited set of select customers in Dallas, but Los Angeles and Atlanta are targeted for select customer availability.

“The first smartphones on 3G networks introduced the idea of mobile apps over a decade ago. A few years later, 4G LTE made it feasible to connect those devices faster to cloud applications

to stream videos, hail rides, and broadcast content to the world,” said Mo Katibeh, EVP and chief marketing officer, AT&T Business. “With our 5G and edge computing, AT&T is collaborating uniquely with Microsoft to marry their cloud capabilities with our network to create lower latency between the device and the cloud that will unlock new, future scenarios for consumers and businesses.”

FUTURE IDEAS:

This innovation points to a future where high-end augmented reality glasses are as thin and stylish as a standard pair of eyeglasses, lightweight drones can track themselves and thousands of nearby companions in near-real time, and autonomous cars have access to nearly-instant data processing capabilities without having to install a mini data center in the trunk.

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<https://news.microsoft.com/2019/11/26/att-integrating-5g-with-microsoft-cloud-to-enable-next-generation-solutions-on-the-edge/>

Zoom Cloud

Swathi.A.S
(18MCA21)

Zoom Video Communications is an American communications technology company headquartered in [San Jose, California](#). It provides [videotelephony](#) and [online chat](#) services through cloud-based [peer-to-peer](#) software platform. zoom is used for [telecommuting](#), [distance education](#), and [social relations](#).

[Eric Yuan](#), a former [Cisco](#) engineer and executive, founded Zoom in 2011, and launched its software in 2013. Zoom's aggressive revenue growth, and perceived ease-of-use and reliability of its software, resulted in a \$1 billion valuation in 2017, making it a "[unicorn](#)" company.

Zoom is a cloud-based service which offers Meetings and Webinars and provides content sharing and video conferencing capability. Zoom offers video, audio and screen sharing experience across a wide range of devices and platforms.

Zoom has picked Oracle Cloud Infrastructure to bolster its cloud capabilities, bypassing other cloud providers like Amazon Web Services (AWS), Google Cloud and Microsoft Azure for its latest bid to expand its infrastructure.

Advantages and disadvantages of zoom:

- Easy adoption with WebRTC technology.
- Join from anywhere on any device.
- Access robust security solutions throughout.
- Built-in tools for screen sharing.
- HD video and audio calls.
- Support for up to 1,000 video participants and 49 videos.

Disadvantage of Zoom is the poor unpredictable video quality. Video on Zoom is often blurry and pixelated. "The audio and video quality can deteriorate to the point of unusability.

References:

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- <https://hc.services/video-conferencing-platform/advantages-zoom-multi-platform-business-communication/>

COLLIBRA

Jyotsana R Jain

(182MCA52)

MOTTO: Make your data meaningful

Collibra is the Data Intelligence company. They accelerate trusted business outcomes by connecting the right data, insights, and algorithms to all Data Citizens. Its cloud-based platform connects IT and the business to build a data-driven culture for the digital enterprise. Global organizations choose Collibra to unlock the value of their data and turn it into a strategic, competitive asset. We have a diverse global footprint, with offices in the U.S., Belgium, Australia, Czech Republic, France, Poland, and the U.K.

- Website: <https://www.collibra.com/>
- Industries: Computer Software
- Company size: 501 – 1000 employees
- Headquarter: Brussels, Brussels Capital Region
- Type: Privately held
- Founded: 2008
- Specialties: data governance, enterprise software, data stewardship, semantic technology, Chief Data Officer, Information Governance, information stewardship, data catalogue, data platform, data intelligence, and data privacy

Collibra is deploying its native SaaS managed service on Google **Cloud**, to be available within our console by the end of the year. Over the past two years, Google has been bringing more and more of its internal **data governance** practices to Google **Cloud**, particularly to data warehousing solution BigQuery.

A data setting to meet enterprise needs

- Gain clear insights into cloud data
- Support rapid cloud adoption
- Adopt AI and ML with trusted outcomes
- Build a hybrid data architecture

Reference:

- <https://www.collibra.com/>
- https://www.linkedin.com/company/collibra/life?trk=nav_type_life
- <https://cloud.google.com/blog/products/data-analytics/cloud-data-governance-collibra>

GODADDY and AMAZON WEB SERVICES CLOUD SERVICE PROVIDER

Saniya Kulsum (182MCA50)

Shifa Siddiqua (182MCA46)

GODADDY is an extremely popular web host and domain registrar with a website building tool that allows businesses to create their own websites. GoDaddy was founded on February 8, 1997 in Baltimore, Maryland by entrepreneur Bob Parsons.

GoDaddy's online file storage plans have no storage limits, so you can even make online backups of large files like videos and high-resolution photos. With its online cloud storage solution, you can share files as often as you need. Its online data storage application doesn't place any limits on sharing.

- GoDaddy is one of the largest domain name registrars. With them you can get almost any domain extension you are looking for: .com, .net, .org, .law or even .today. A .com domain will cost you \$11.99 the first year and \$17.99 after, not the cheapest.
- At GoDaddy, there are shared hosting plans available too. It'll cost you between \$8.99 and \$24.99 at renewal. With this type of hosting service, you'll share a server with other clients. It's suitable for small and medium projects that don't need top performing servers.
- Like many other hosting providers, GoDaddy has a WordPress optimized shared hosting service. They seem to prepare their servers for a higher WordPress performance, offer WordPress pre-installed and have a selection of themes available. Nothing too exciting if you ask me.
- GoDaddy VPS plans are for those with special server configuration needs. With the root (administrative) access you'll be able to configure your server to your preferences. They also come with a higher performance than shared hosting plans. VPS plans at GoDaddy start at \$30 a month.
- If the higher performance of a VPS is not enough for your site, a dedicated hosting package is your best next option. With these, you'll have your own server for yourself and won't have neighbors interfering with your project. But you'll need a budget for that as dedicated servers start at \$169.99 per month at GoDaddy.
- GoDaddy also offers email hosting plans, so you can have a professional-looking address like info@your-business.com. They start at \$4.99 per user per month for 5 GB of email storage.

REFERENCE: <https://en.m.wikipedia.org/wiki/GoDaddy>

AMAZON WEB SERVICES(AWS)

Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud platform, offering over 175 fully featured services from data centers globally. Millions of customers including the fastest-growing startups, largest enterprises, and leading government agencies are using AWS to lower costs, become more agile, and innovate faster.

S3 Bucket

An Amazon S3 bucket is a public cloud storage resource available in AWS Simple Storage Service (S3), an object storage offering. Amazon S3 buckets, which are similar to file folders, store objects, which consist of data and its descriptive metadata.

Amazon lex

Amazon Lex is a service for building conversational interfaces using voice and text. With Lex, the same deep learning engine that powers Alexa is now available to any developer, enabling you to bring sophisticated, natural language chatbots to your new and existing applications.

Amazon Lex enables any developer to build conversational chatbots quickly and easily. With Amazon Lex, no deep learning expertise is necessary—you just specify the basic conversational flow directly from the console, and then Amazon Lex manages the dialogue and dynamically adjusts the response. To get started, you can choose one of the sample bots provided below or build a new custom bot from scratch.

Reference:: <https://aws.amazon.com/>

UBIQUITY HOSTING and MAGE CLOUD

**DINAMANI R
(182MCA33)**

Ubiquity Hosting provides cloud server solutions, managed hosting, and colocation to businesses worldwide. It's headquarters in Greater Phoenix Area, Western US. Founded date may 21,2004 Founders are Brett Guarnieri, client Chapman Corey Northett.

Ubiquity hosting solutions is a privately held company based in Phoenix, Arizona USA. The company specializes in web hosting services such as dedicated servers, cloud servers, managed hosting as well as IP transit services with data centers operating in Chicago, Dollars, LosAngels, New York and Phoenix. It is not a free trial. It's cost is for 1gb = €5/month(in rs 1 Euro =88.67).It is actively using 24 technologies for its website. These include iPhone mobile.

MAGE CLOUD

Magento is a modern cloud commerce platform with an open source ecosystem. It extends beyond the shipping cart for every stoppable experience including email, mobile,in-store, shipping and market place. Magento work hand-in-hand with the world's biggest retailers, brands and branded manufacturer across B2C and B2B industries. This platform is for free trial.

Mage cloud is integrated with some of the biggest hosting provides amazon web services, rack space, google cloud platform, digital ocean. Magento hosting configure your server using magecloud choose location, server size and get your access to fully managed the server.

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