



CLOUD SERVICES

S Thenmozhi

Department of Computer Applications

CLOUD SERVICES

Cloud Computing Essentials

S Thenmozhi

Department of Computer Applications

IaaS:

Amazon EC2

Google Compute Engine

Windows Azure VMs

PaaS:

Google App Engine

SaaS:

Salesforce

Google Apps

CLOUD SERVICES

Cloud Services Examples

IaaS: Amazon EC2



aws

Services

Resource Groups

🔔

Kunal Yadav

Mumbai

Support

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

NETWORK & SECURITY

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

LOAD BALANCING

Load Balancers

Target Groups

AUTO SCALING

Launch Configurations

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) region:

0 Running Instances

0 Elastic IPs

0 Dedicated Hosts

0 Snapshots

0 Volumes

0 Load Balancers

1 Key Pairs

3 Security Groups

0 Placement Groups

Learn more about the latest in AWS Compute from AWS re:Invent 2017 by viewing the [EC2 Videos](#).

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

Launch Instance

Note: Your instances will launch in the Asia Pacific (Mumbai) region

Service Health

Service Status:

Asia Pacific (Mumbai):

Availability Zone Status:

ap-south-1a:

Availability zone is operating normally

ap-south-1b:

Availability zone is operating normally

Service Health Dashboard

Scheduled Events

Asia Pacific (Mumbai):

No events

Account Attributes

Supported Platforms

VPC

Default VPC

vpc-d92178b1

Resource ID length management

Console experiments

Additional Information

Getting Started Guide

Documentation

All EC2 Resources

Forums

Pricing

Contact Us

AWS Marketplace

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

Barracuda CloudGen Firewall for AWS - PAYG

By Barracuda Networks, Inc.

Rating ★★★★★

Starting from \$0.60/hr or from \$4,599/yr (12% savings) for software + AWS usage fees

View all Infrastructure Software

Matillion ETL for Amazon Redshift

By Matillion

Rating ★★★★★

Feedback

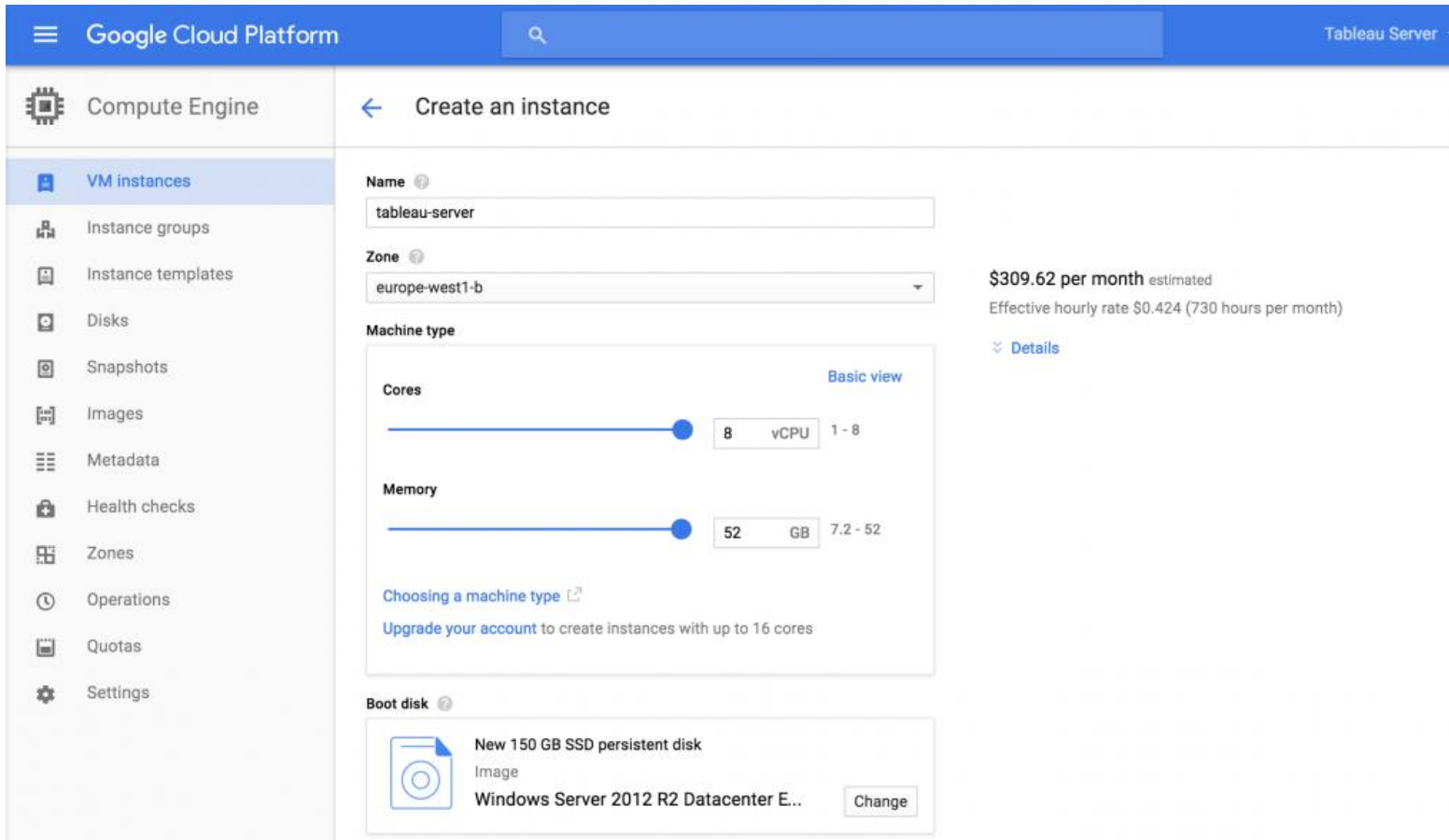
English (US)

© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

CLOUD SERVICES

Cloud Services Examples

IaaS: Google Compute Engine (GCE)



The screenshot displays the Google Cloud Platform (GCP) console interface for creating a new Compute Engine instance. The left sidebar shows the navigation menu with 'Compute Engine' selected, and 'VM instances' highlighted under the 'Compute Engine' section. The main content area is titled 'Create an instance' and includes the following configuration options:

- Name:** A text input field containing 'tableau-server'.
- Zone:** A dropdown menu set to 'europe-west1-b'.
- Machine type:** A section with sliders for 'Cores' and 'Memory'. The 'Cores' slider is set to 8 vCPU (range 1-8), and the 'Memory' slider is set to 52 GB (range 7.2-52). A 'Basic view' link is present.
- Cost:** A summary showing '\$309.62 per month estimated' and 'Effective hourly rate \$0.424 (730 hours per month)'. A 'Details' link is available.
- Boot disk:** A section showing a 'New 150 GB SSD persistent disk' with the image 'Windows Server 2012 R2 Datacenter E...'. A 'Change' button is provided.

Additional links at the bottom of the 'Machine type' section include 'Choosing a machine type' and 'Upgrade your account to create instances with up to 16 cores'.

CLOUD SERVICES

Cloud Services Examples

IaaS: Azure VM

Instance details

Virtual machine name * ⓘ

myVM



Region * ⓘ

(US) East US



Availability options ⓘ

No infrastructure redundancy required



Image * ⓘ

Windows Server 2019 Datacenter



[Browse all public and private images](#)

Size * ⓘ

Standard DS1 v2

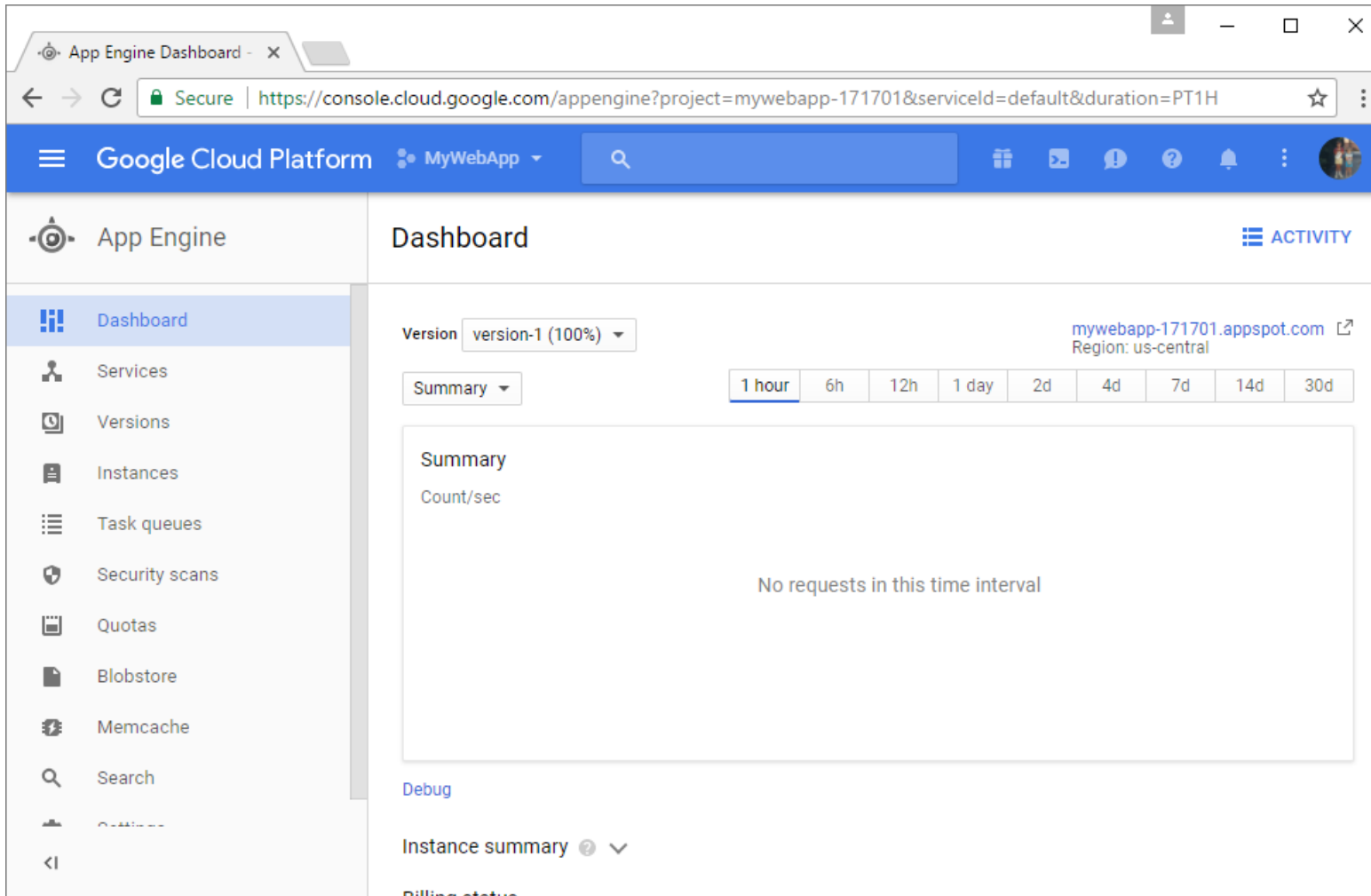
1 vcpu, 3.5 GiB memory

[Change size](#)

CLOUD SERVICES

Cloud Services Examples

PaaS: Google App Engine (GAE)

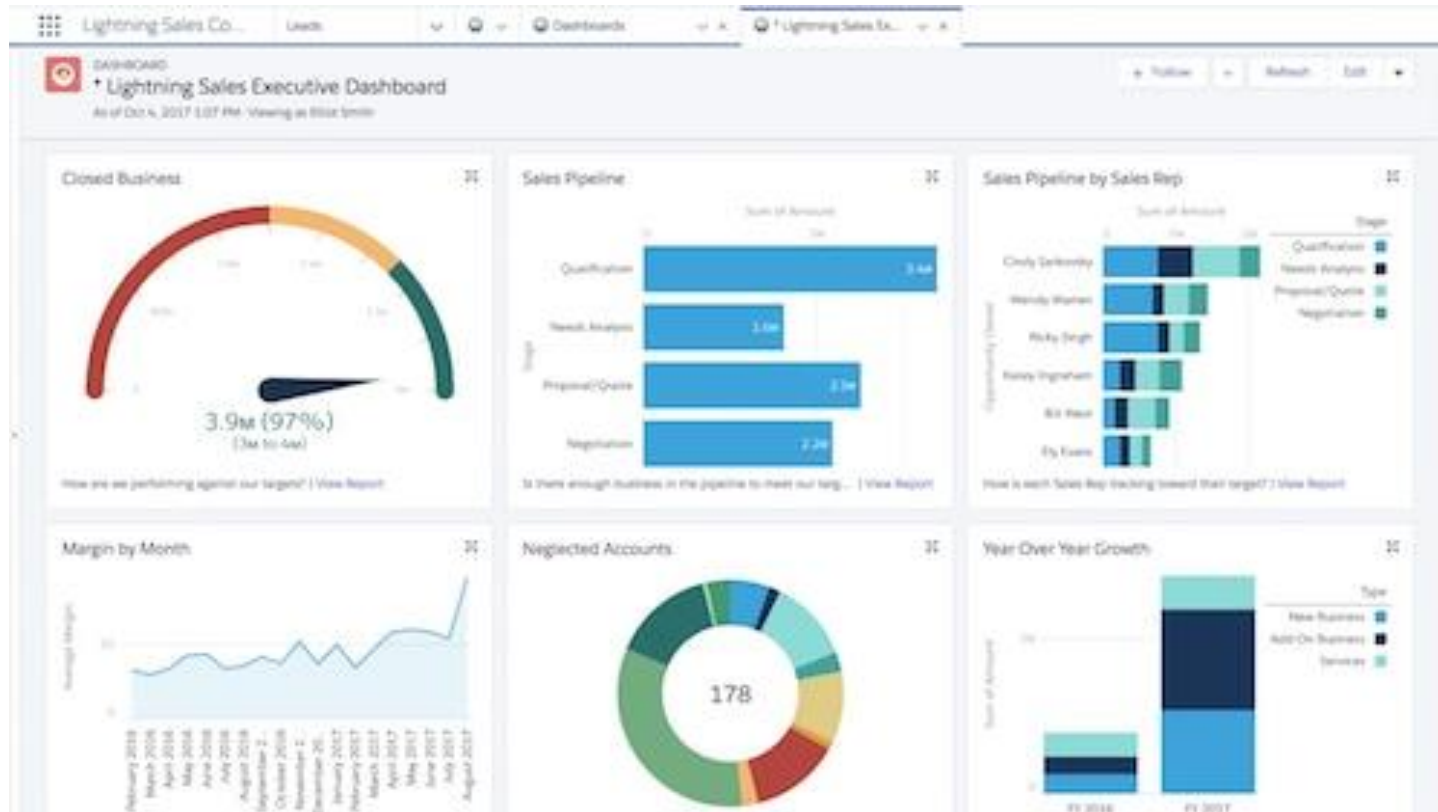


The screenshot displays the Google App Engine Dashboard for a project named 'mywebapp-171701'. The browser's address bar shows the URL: <https://console.cloud.google.com/appengine?project=mywebapp-171701&serviceId=default&duration=PT1H>. The dashboard interface includes a left-hand navigation menu with options such as Dashboard, Services, Versions, Instances, Task queues, Security scans, Quotas, Blobstore, Memcache, Search, and Settings. The main content area is titled 'Dashboard' and features a 'Version' dropdown set to 'version-1 (100%)'. It also displays the application URL 'mywebapp-171701.appspot.com' and the region 'us-central'. A 'Summary' tab is selected, showing a 'Count/sec' metric. The dashboard indicates 'No requests in this time interval' for the selected '1 hour' period. Other tabs available include 'Summary', '1 hour', '6h', '12h', '1 day', '2d', '4d', '7d', '14d', and '30d'. At the bottom, there are links for 'Debug', 'Instance summary', and 'Billing status'.

CLOUD SERVICES

Cloud Services Examples

SaaS: Salesforce



CLOUD SERVICES

Cloud Services Examples

	AWS	Google	Azure
Compute	EC2	Compute Engine	VM
Storage	S3, EBS	Cloud Storage	Blob Storage
Networking	VPC	Google VPC	Virtual Network
Databases	RDS, Dynamo DB	Cloud SQL, Firestore, Bigtable	SQL, MySQL, Cosmos DB
PaaS	Beanstalk	App Engine	App Service
SaaS	Workdocs	Google Docs	Office 365
Machine Learning	Sagemaker	Cloud ML Engine	Machine Learning
IoT	IoT core	Cloud IoT Core	IoT Hub

CLOUD SERVICES

Cloud-based Services & Applications

Banking & Financial Apps

E-Commerce Apps

Social Networking

Healthcare Systems

Energy Systems

Intelligent Transportation Systems

E-Governance

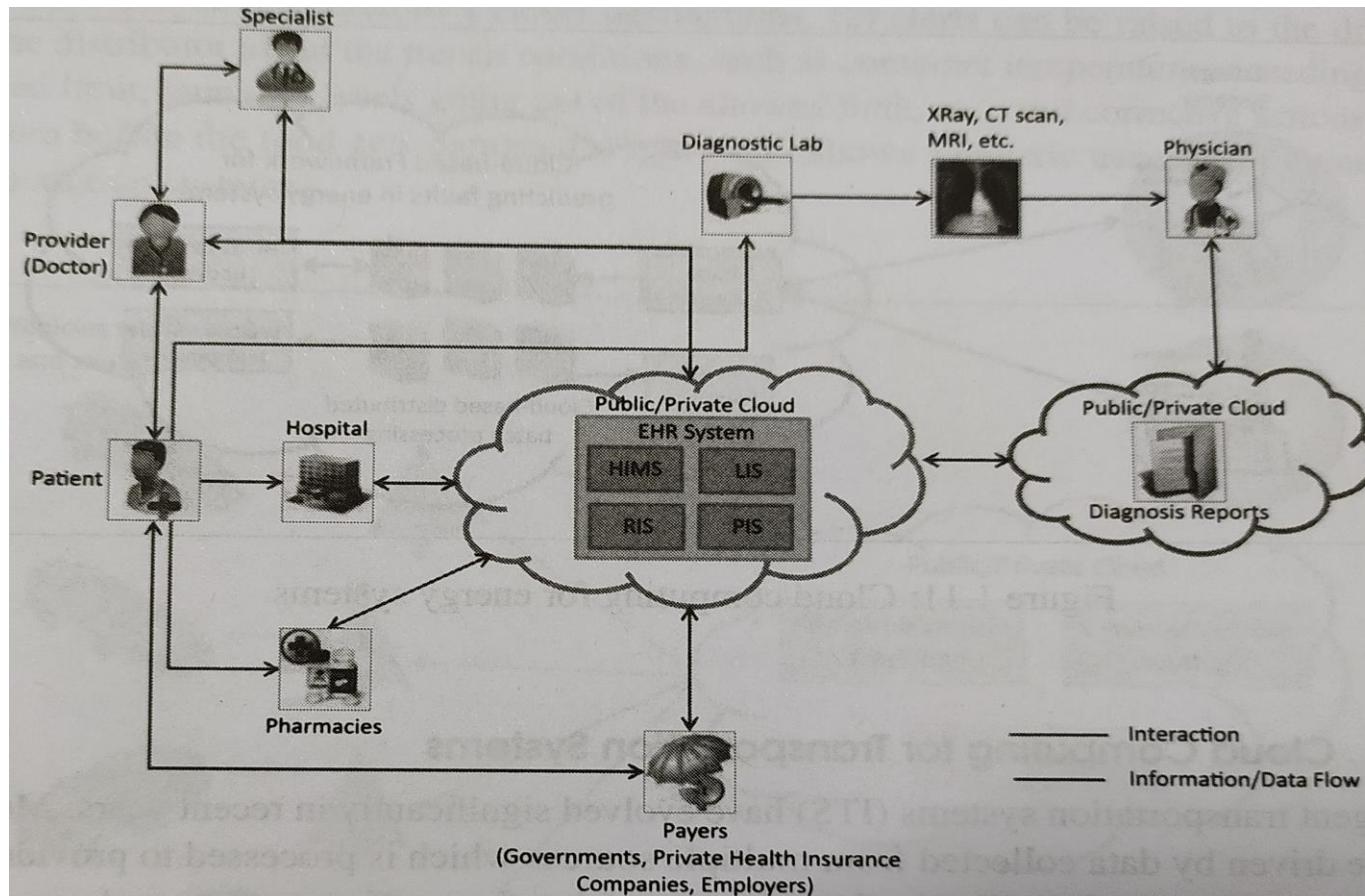
Education

Mobile Communications

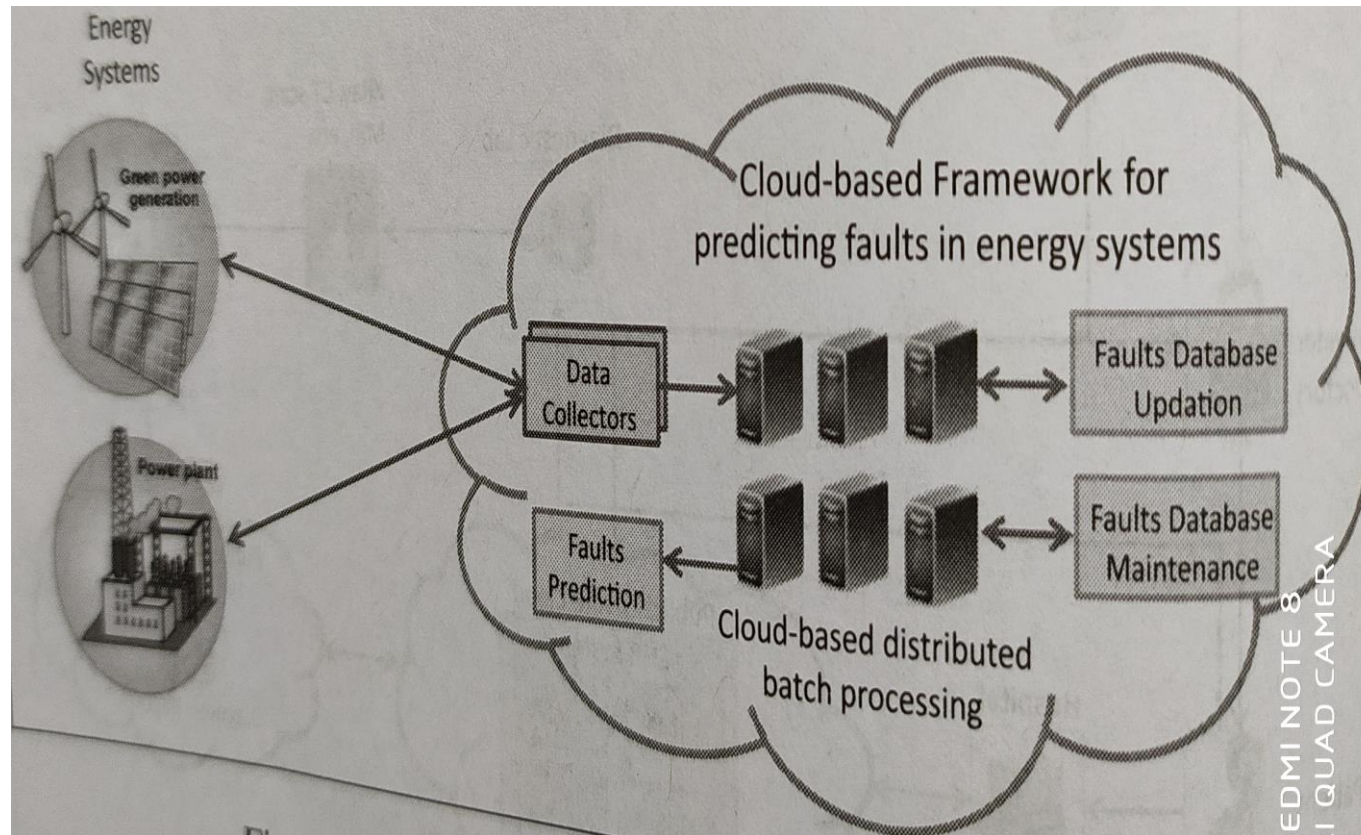
CLOUD SERVICES

Cloud-based Services & Applications

Healthcare Systems



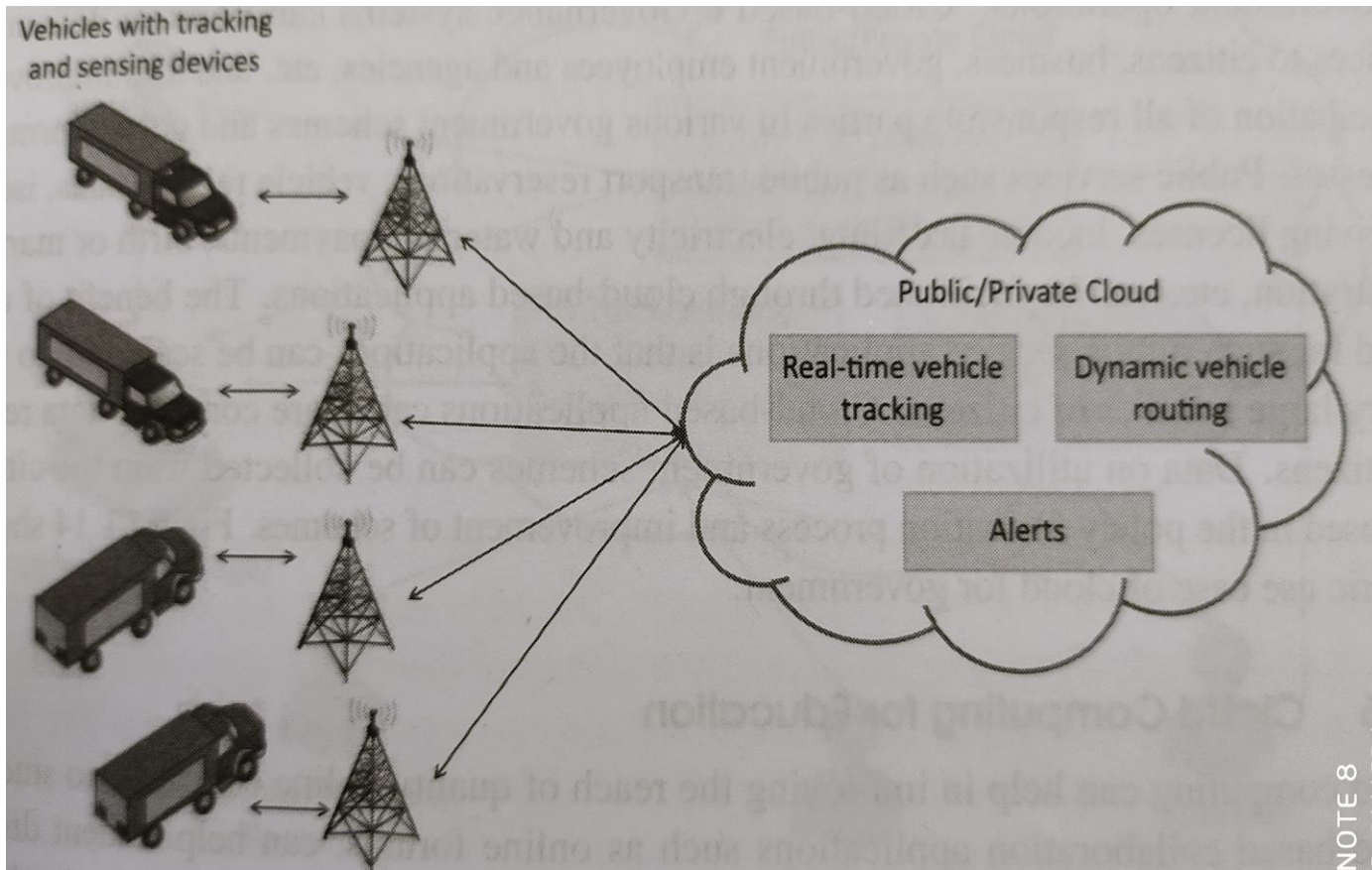
Energy Systems



CLOUD SERVICES

Cloud-based Services & Applications

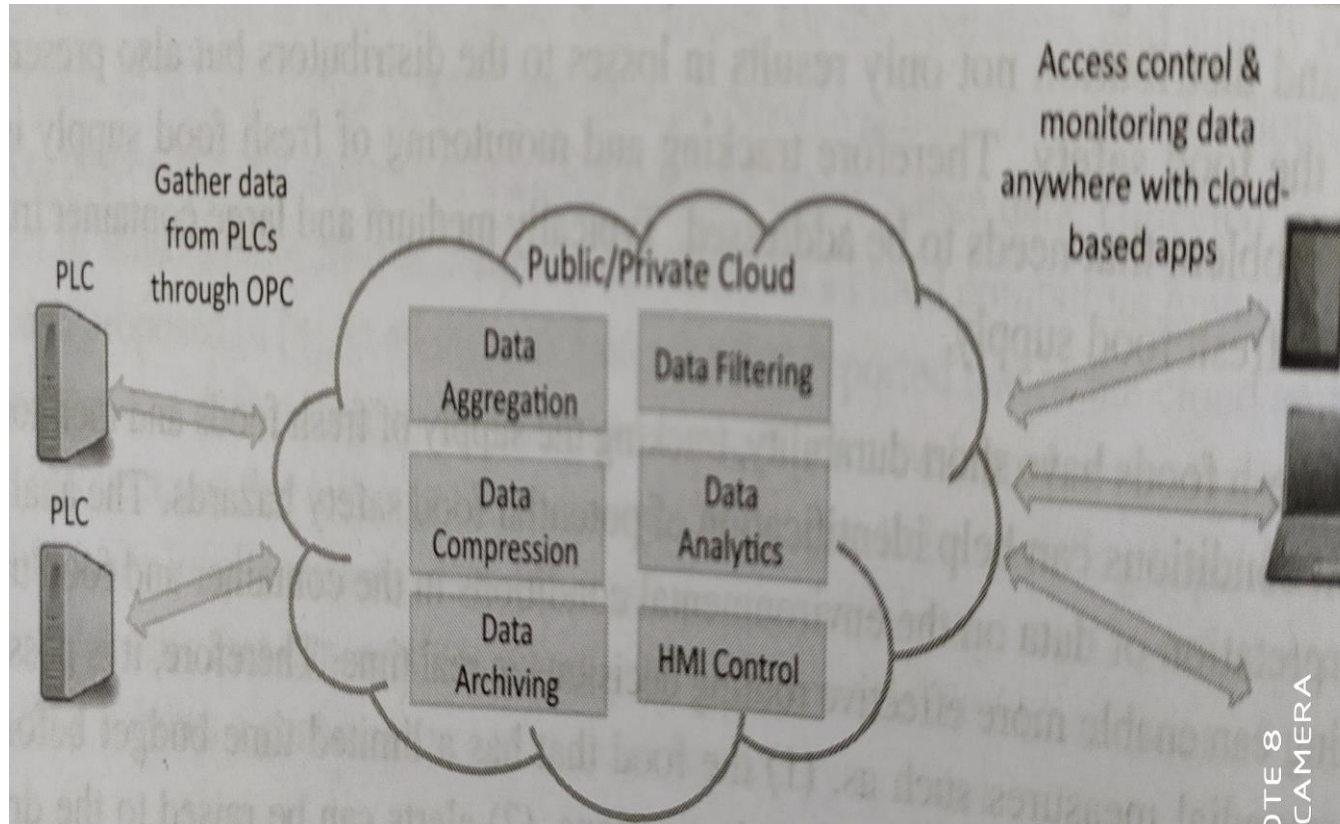
Transportation Systems



CLOUD SERVICES

Cloud-based Services & Applications

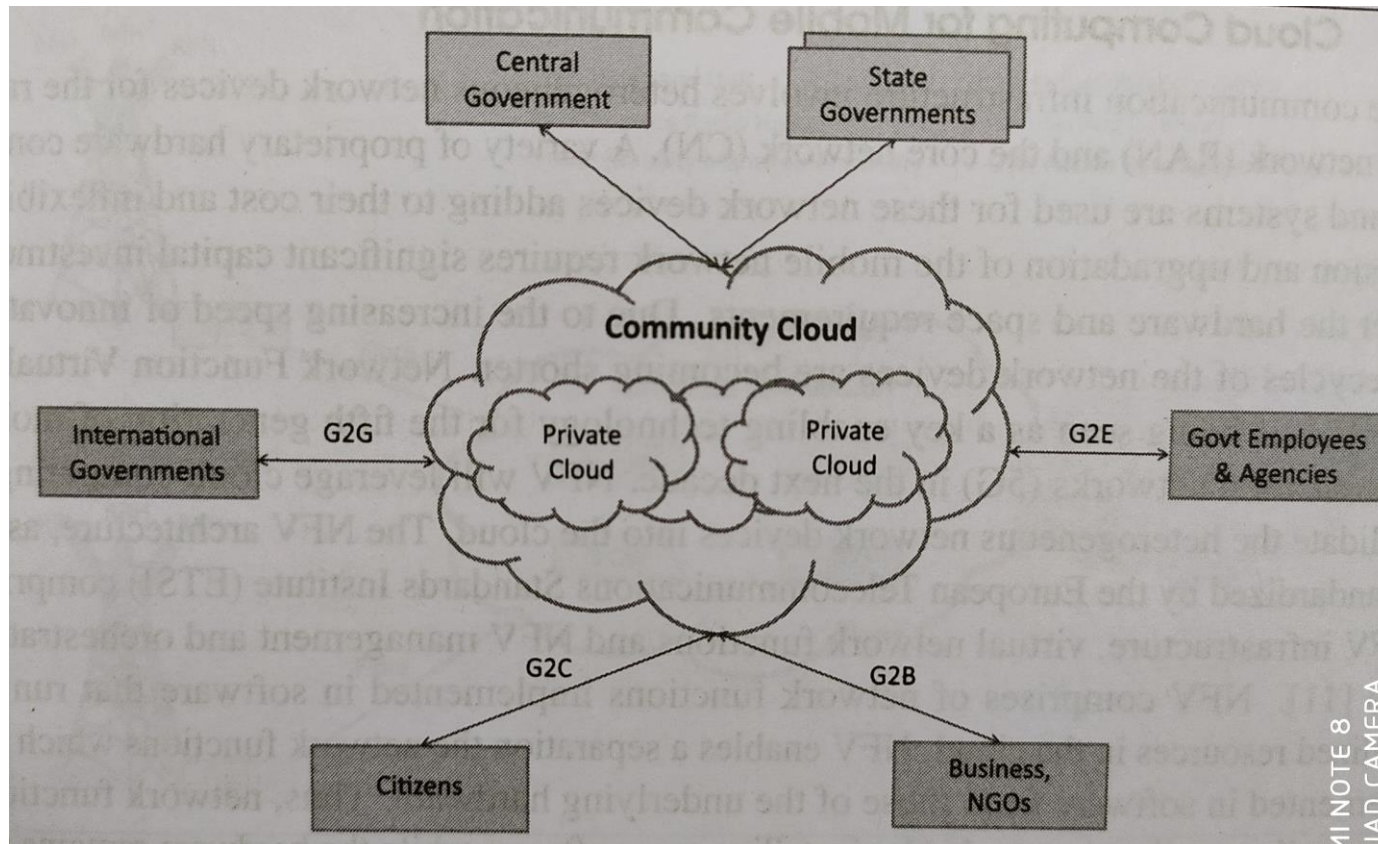
Manufacturing Industry



CLOUD SERVICES

Cloud-based Services & Applications

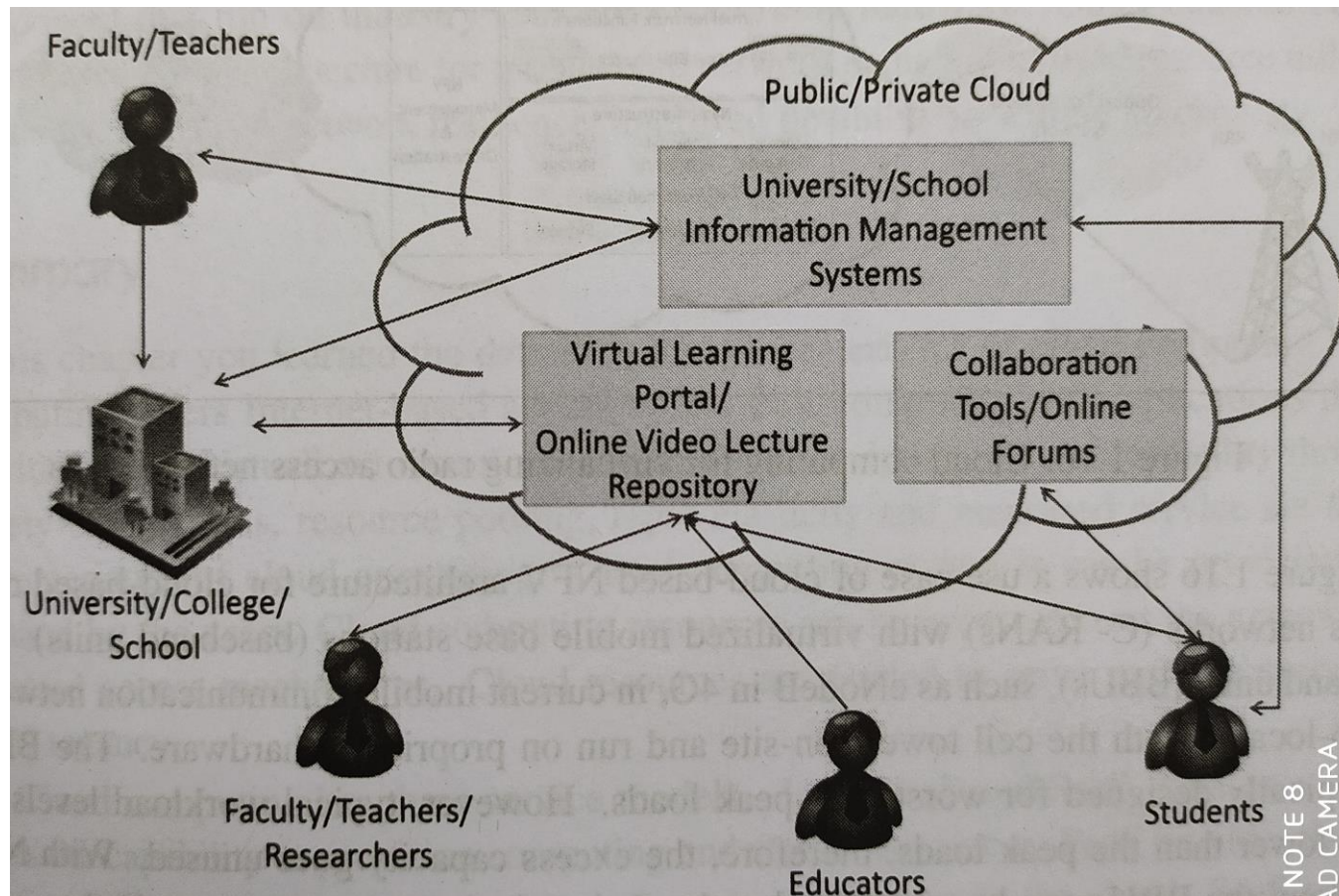
Cloud Computing for Government



CLOUD SERVICES

Cloud-based Services & Applications

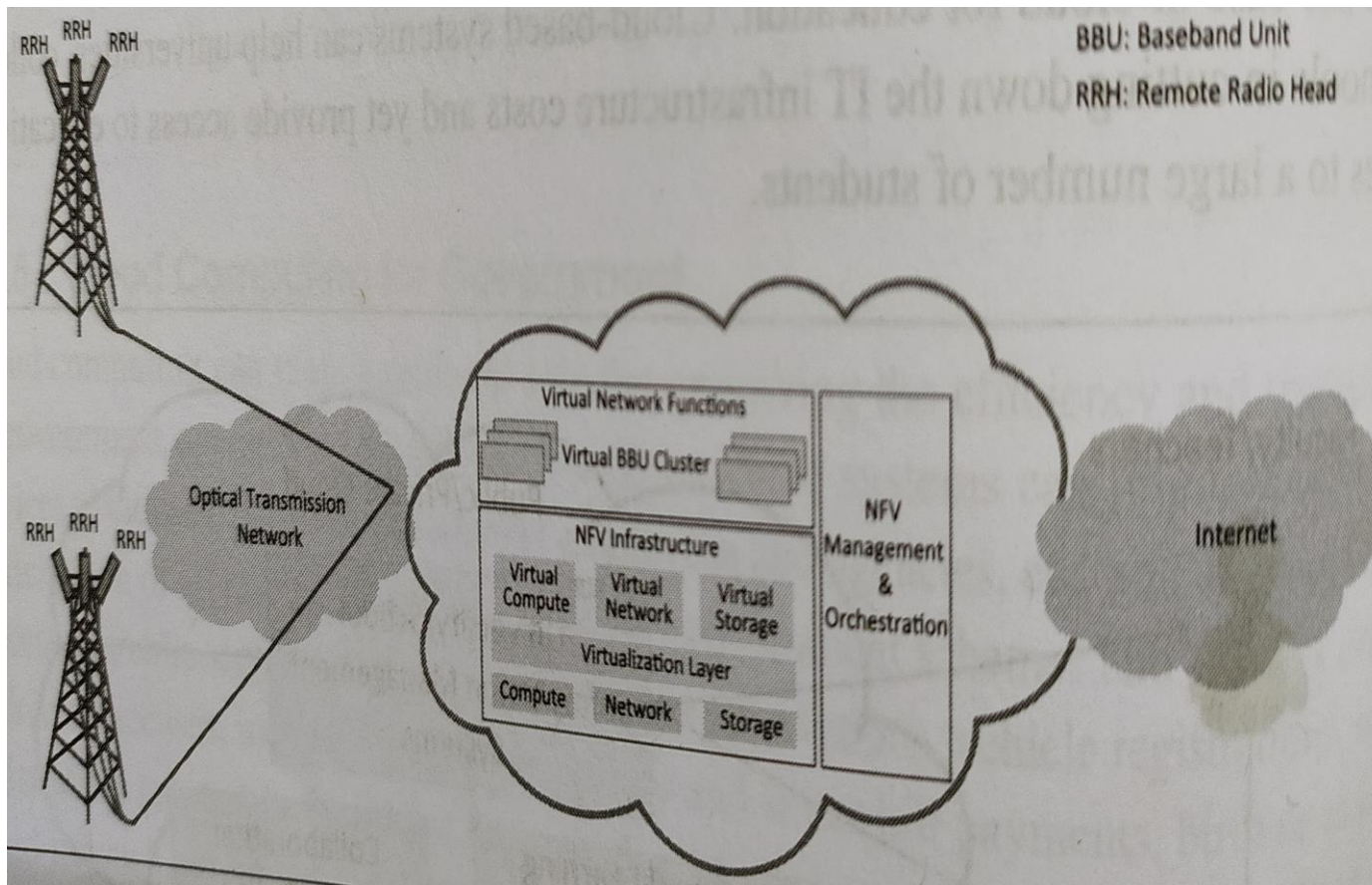
Cloud Computing for Education



CLOUD SERVICES

Cloud-based Services & Applications

Cloud Computing for Mobile Communication





THANK YOU

S Thenmozhi

Department of Computer Applications

thenmozhis@pes.edu

+91 80 6666 3333 Extn 393