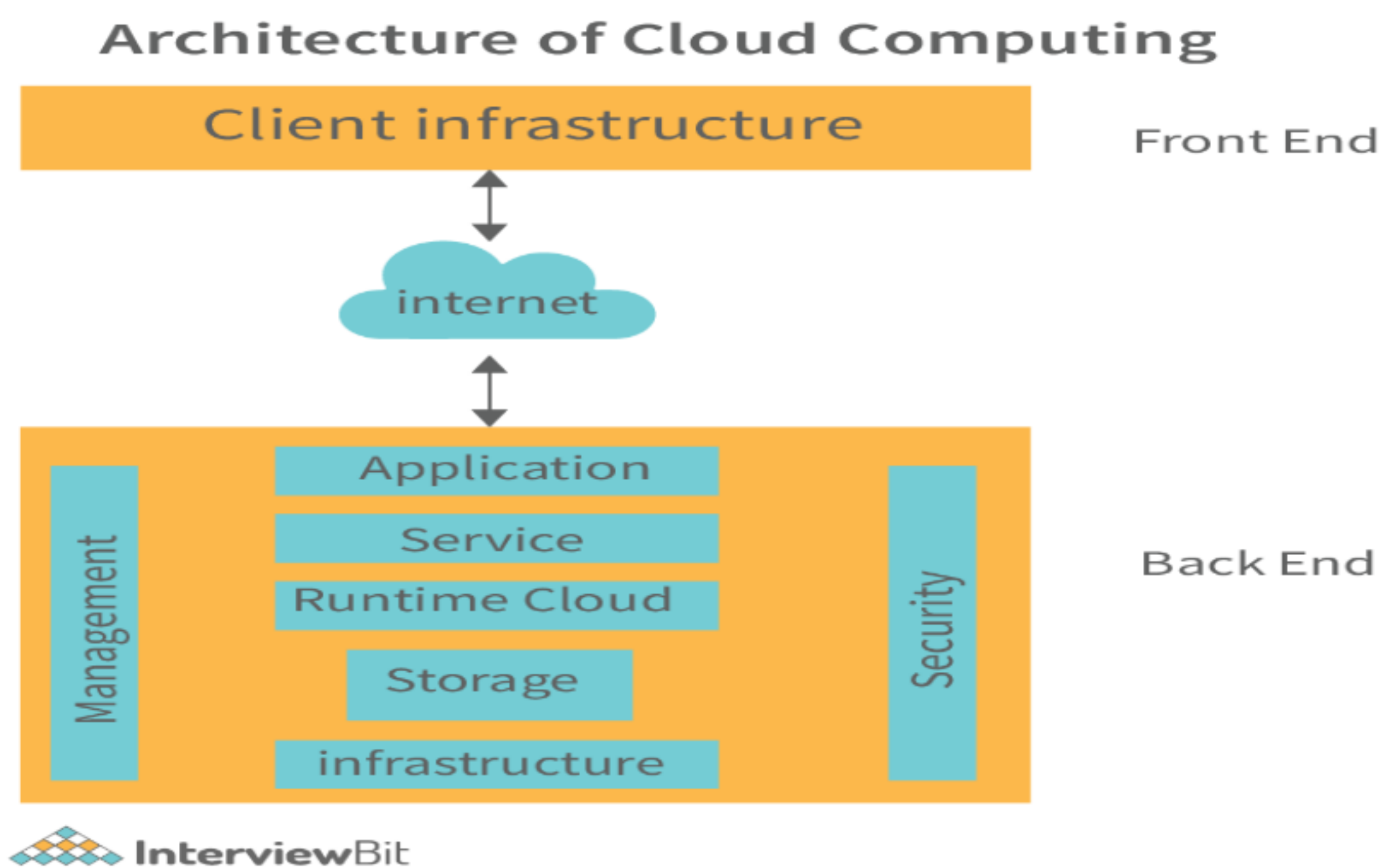


Name DONG DANIEL MATRICULE ICTU20234022

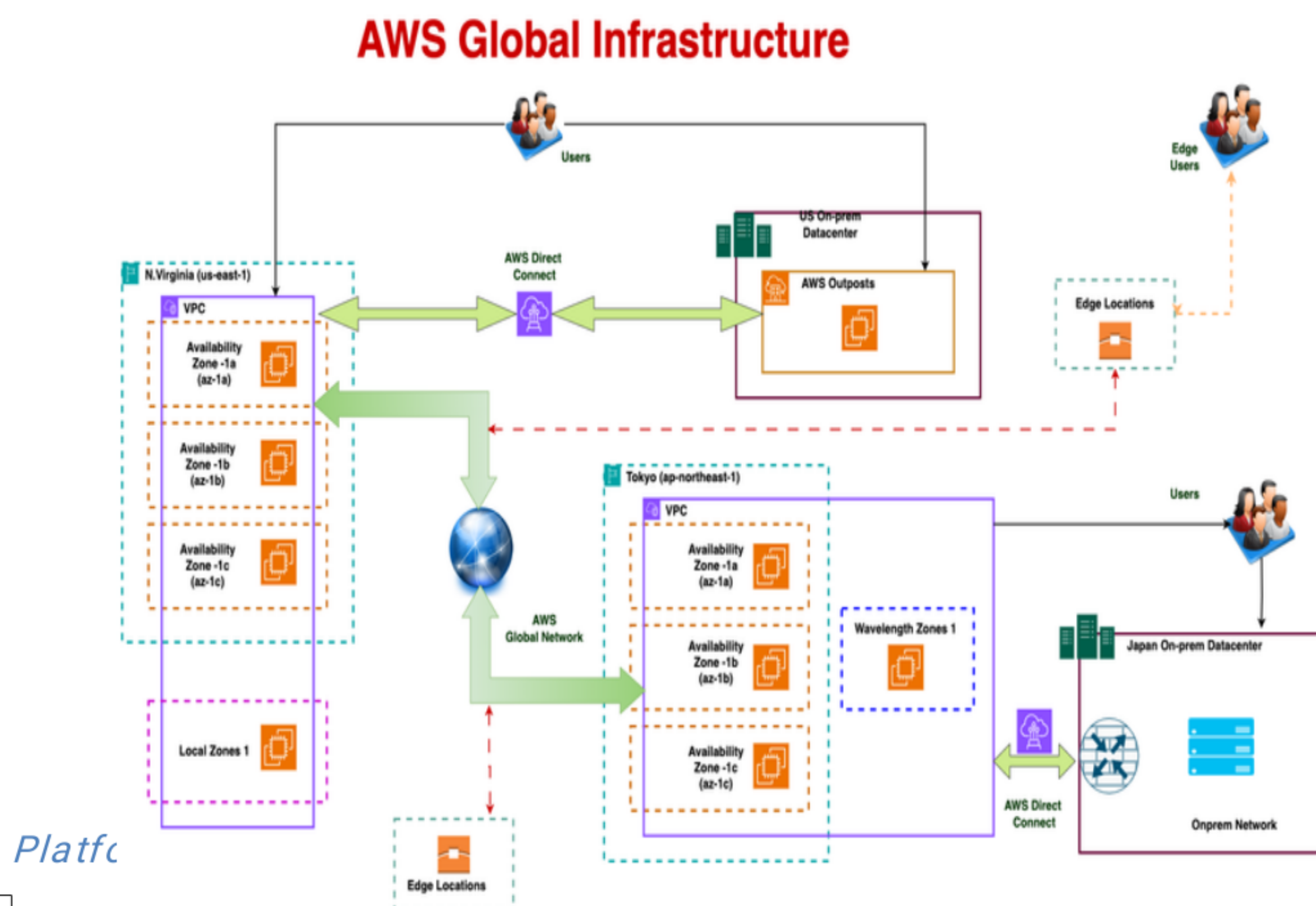
Cloud services refer to the delivery of computing resources such as storage ,processing power ,and software applications,over the internet . this model allows users to access these resources on demand, without the need for expensive hardware or infrastructure



Cloud services have numerous benefits ,including scalability, flexibility, and cost effectiveness .so some popular cloud services include.

### *Infrastructure as a Services*

Amazon web services ,Microsoft azure and google cloud platforms provide virtualized computing resources ,such as servers ,storage and networking



Heroku, Google App Engine and Microsoft Azure App Service offer platforms for developing, running and managing applications without worrying about underlying infrastructure.

### *Software as a service*

Microsoft Office 365, Salesforce and Dropbox provide software applications over the internet eliminating the need for local installation and maintenance.

Real world examples of cloud services include

- . Netflix which uses cloud services to stream movies and TV shows to millions of users worldwide

- . Salesforce, which provides customer relationship management software to businesses, enabling them to manage sales, marketing and customer service activities.

- . Google Drive which offers cloud storage and collaboration tools for individuals and businesses.

Cloud services are changing our lives in many ways

### *.Remote work .*

Cloud services enable remote work by providing access to applications and data from anywhere at anytime.

### *.scalability*

Cloud services allow businesses to scale quickly and efficiently without significant upfront investments.

### *.collaboration*

Cloud services facilitate collaboration and communication among teams, partners and customers.

## *PART 2 PROBLEM DESCRIPTION*

As the CEO of a networking company, I have noticed a significant problem in our community. Limited access to quality education and healthcare services in rural areas. Many rural schools and hospitals lack the necessary infrastructure, resources and expertise to provide quality services. This problem is particularly acute in areas with limited internet connectivity and inadequate technology.

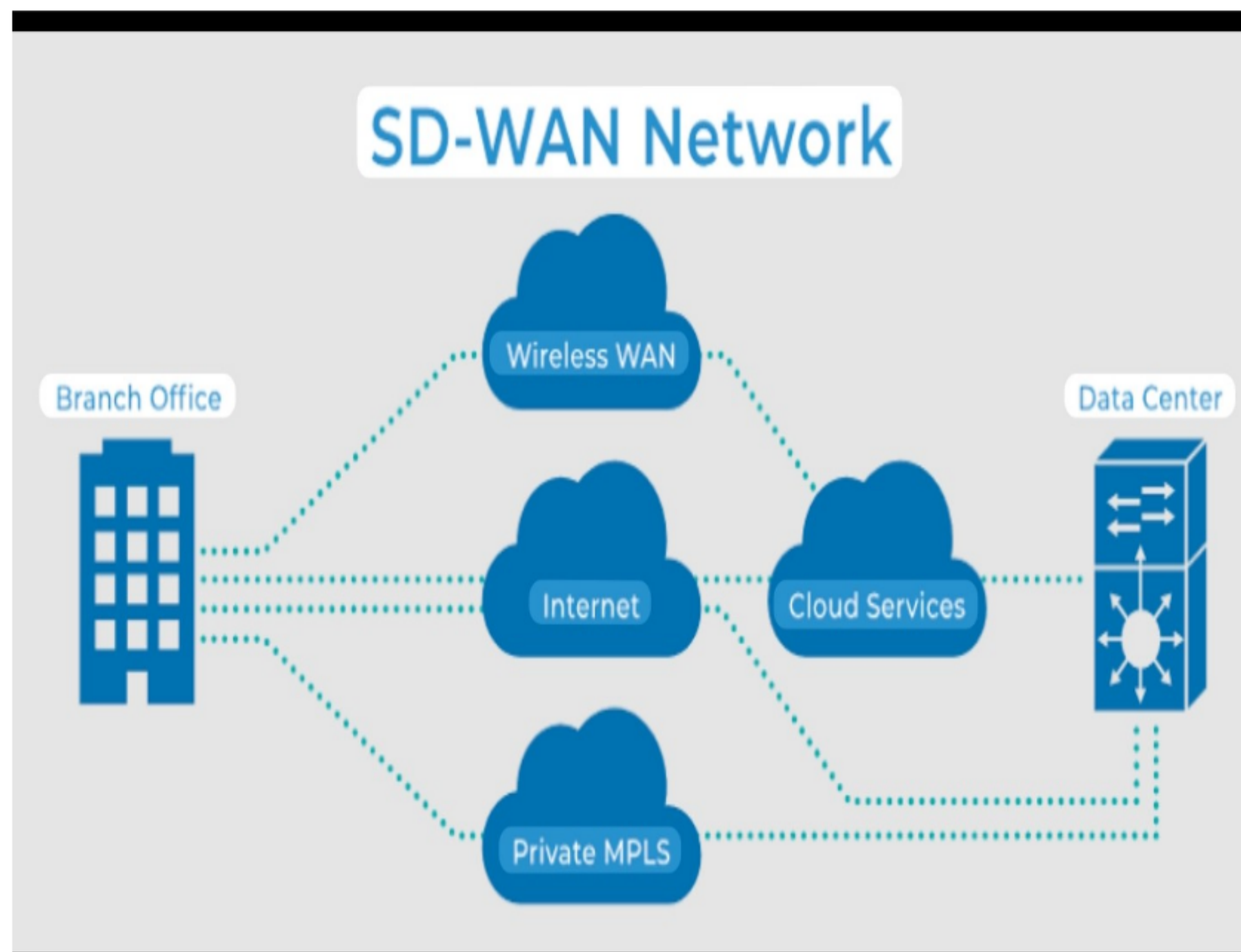
The consequences of this problem are far reaching.

- . limited access to quality education. Students in rural areas may fall behind their urban counterparts, leading to lower academic achievement and reduced opportunities.

- . inadequate healthcare services. Patients in rural areas may experience delayed or inadequate medical care, leading to poorer health outcomes and increased mortality rates.

## *PART 3 . SOLUTION DESIGN*





To solve the problem of limited access to quality education and healthcare services in rural areas , propose a cloud based solutions that leverages WANs technologies .Here is a high level design

#### *. cloud based platform*

Develop a cloud based platform that provides remote access to education and health care service s ,including virtual classrooms , telemedicine and online resources

#### *.WANs INFRASTRUCTURE*

Create virtual class rooms that enable remote learning allowing students to access high quality e ducational content and interact with teachers and peers in real time

#### *THE BENEFITS OF THIS SOLUTION INCLUDE*

##### *INCREASED ACCESS*

Rural communities gain access to quality education and healthcare services improving academic achievement and health outcomes

##### *COST SAVINGS*

The cloud based model reduces the need for infrastructures investments and maintenance costs , making it a cost effective solutions.+

##### *SCALABILITY*

The solutions can be scaled up or down to meet changing demands ensuring that reasurces are a ctualized efficiently

By leveraging cloud services and WANs technologies , we can bridge the gap between rural and u

urban areas providing equal access to quality education and healthcare services for all