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CLOUD COMPUTING

DIGITAL ASSIGNMENT – 1

TOPIC

A Cloud Medium for Multi-Language Audios Data Transfer Across the YouTube And Global Network

TEAM MEMBERS

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ABSTRACT

In the mere day today life Youtube, a Video Sharing App has become a part of our daily activities. We watch hours and hours of youtube content.

From lots of videos we watch only the videos which we understand by means what we only watch the videos of languages we know of. Our Application is an idealogy of Providing Youtube with Multiple Audio Languages using a browser Extention. As a result people can make audios for any videos available on youtube in their Own native languages. And provide there participation as an audio file which is then uploaded to our cloud Server.

We publish the audio according to our guidelines to the whole world. Letting people now watch the videos of whole different language with their language audio file. What we want to discuss in the project is that how the data is transported and stored across the cloud. Discuss the Architecture and Cloud Deployment and Service Models relating to the YouTube Audios Application.

OBJECTIVE

1. Deliver the Audio Files and Other Information through Cloud with Secure Connections and Networks.

2. Data Storage and Backup in the remote Database Server Locations.

3. Minimal Travel of data across Cloud Networks for faster Service.

4. Usage of Hybrid cloud for transacting public and private data sets across the organization and to the public around the world.

IMPLEMENTING THE CLOUD TECHNOLOGIES

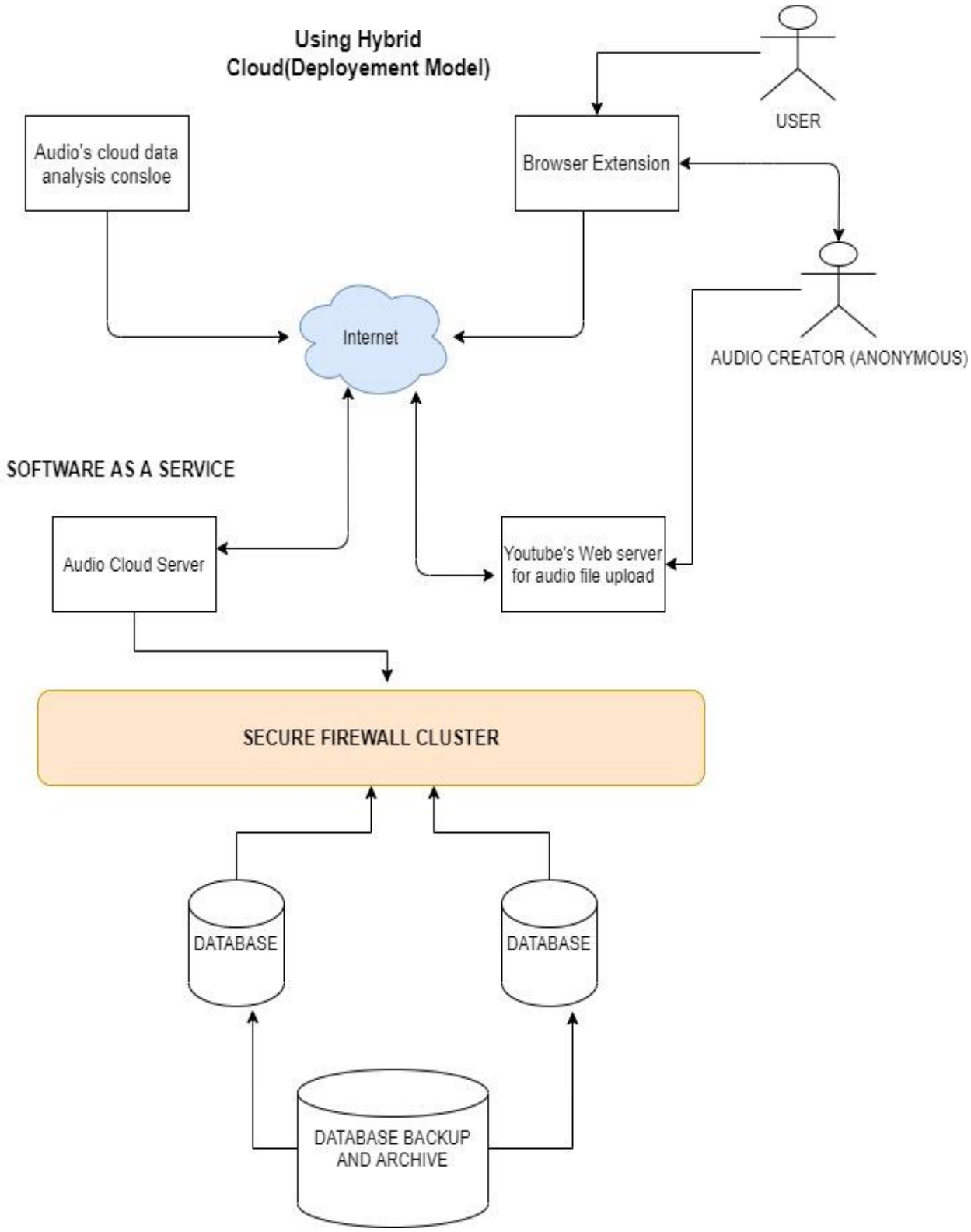
We use cloud storage to save and keep data. Cloud computing, on the other hand, is used to work on and complete specified projects. Cloud computing is linked with cloud storage in that you have to move data to the cloud (cloud storage) before you can make use of cloud computing systems. Once the data is moved to the cloud, however, you or someone else can process it into useful material and send it back to you. An example of Cloud Computing is Software as a Service (SaaS), where you input data on software and the data is transformed remotely through a software interface without your computer being involved.

CREATING CLOUD STORAGE SYSTEM

1. The cloud storage system stores many copies of data on many servers at the various locations.
2. The data is stored at various locations so that if one system fails it can change the pointer location to where the object is stored.
3. The cloud provider uses the virtualization software to aggregate the storage assets into cloud storage system. This system is called as StorageGRID**.**
4. StorageGRID creates a virtualization layer which fetches storage from various storage devices into a single management system.
5. It manages the data from CIFS and NFS file system over the Internet.

Cloud storage is based on a virtualized infrastructure with accessible interfaces, near-instant elasticity and scalability, multi-tenancy and metered resources. Cloud-based data is stored in logical pools across disparate, commodity servers located on premises or in a data center managed by a third-party cloud provider.

ARCHITECTURE OF THE MODEL



CLOUD STORAGE DEPLOYEMENT

We use Hybrid Cloud as a deployment model as the data should be transferred across our organizations which is a separate mini private cloud, We use Huge Public Cloud to transfer the data between Audio Creator and Users

HYBRID CLOUD is a mix of private cloud storage and third-party public cloud storage services with a layer of orchestration management to integrate operationally the two platforms. The model offers businesses flexibility and more data deployment options. An organization might, for example, store actively used and structured data in an on-premises cloud, and unstructured and archival data in a public cloud.

CLOUD SERVICE MODEL

SOFTWARE AS A SERVICE, also know as SaaS, is a cloud-based service where instead of downloading software your desktop PC or business network to run and update, you instead access an application via an internet browser. The software application could be anything from office software to unified communications among a wide range of other business apps that are available.

Our Intended service model is SAAS(Software As a Service). We provide the Audios Software for Uploading and Usage of The Service in the means of Software. For Uploading the Audio Files we Use a website which is a Software and for usage of the Audios We use a browser Extention which is also a software.