How microservices communicate

Message based

In this, message recognizes any discrete data that is moved from one entity to another. It includes any kind of data representation having restriction of size and time, whereas it invokes a remote procedure or a sequence of object instance or a common message. This is the reason that "*message-based communication model*" can be beneficial to refer various model for inter-process communication, which is based on the data streaming abstraction.

Http based

The client sends a request and waits for a response from the service. That's independent of the client code execution that could be synchronous (thread is blocked) or asynchronous (thread isn't blocked, and the response will reach a callback eventually). The important point here is that the protocol (HTTP/HTTPS) is synchronous and the client code can only continue its task when it receives the HTTP server response.

Event based

The communication point becomes the Pub/Sub layer of the event backbone. By adopting an event-based approach for intercommunication between microservices, the microservices applications are naturally responsive (event-driven). This approach enhances the loose coupling nature of microservices because it decouples producers and consumers. Further, it enables the sharing of data across microservices through the event log

Strengths

All files you edit in Docs automatically save to Google Drive every time you make a change, so if your computer crashes, you can pick up exactly where you left off

Dropbox

There are methods that you can use to increase the space without paying a single cent.

box

Advanced security features include password-protected sharing and specific, role-based access to documents, such as the ability to add read-only users.

SkyDrive

Its user-friendly interface and quick syncing with business computers reduce the learning curve

Weaknesses

The uploading and downloading speed, when millions of user are uploading and downloading together, the speed will be slow down.

Dropbox

The administrators or developers who maintain the service have the right to delete information from free, inactive accounts

box

While Box is a well-rounded storage solution, it syncs to only one specific file on the user's computer, a catchall folder for the user's Box files. So, it requires some group planning and practice to use properly.

SkyDrive®

Although OneDrive for Business allows offline access once a user downloads the app, that is about as far as offline access goes. If your team needs to conduct a great deal of work offline, you may want a more robust system.

Storage

This gives you 15GB of free space in Google Drive,and you can upgrade your plan if you feel like you need more space

Dropbox storage space is calculated based on the space used by the total contents of your Dropbox account. Depending on your Dropbox plan, you'll have a certain quota of space in your account

With 10GB of free storage, you can store all your files in the cloud and easily share them with others with a simple link via email or straight from Box.

It includes a free tier that offers 5GB of file storage. You can upgrade the available storage to 50GB for $2 a month, but the best deal is an Office 365 Home or Personal subscription, which includes 1000GB (1TB) of storage for up to five users.

Anyone with the permission can access these services, it is the owner who gives the right of who views or not.

collaboration

All allow collaboration and it is cross platforms i.e ifu edit on mobile, it is reflected on desktop.

Thank you!

I am HABUWITEKA Francois Regis

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