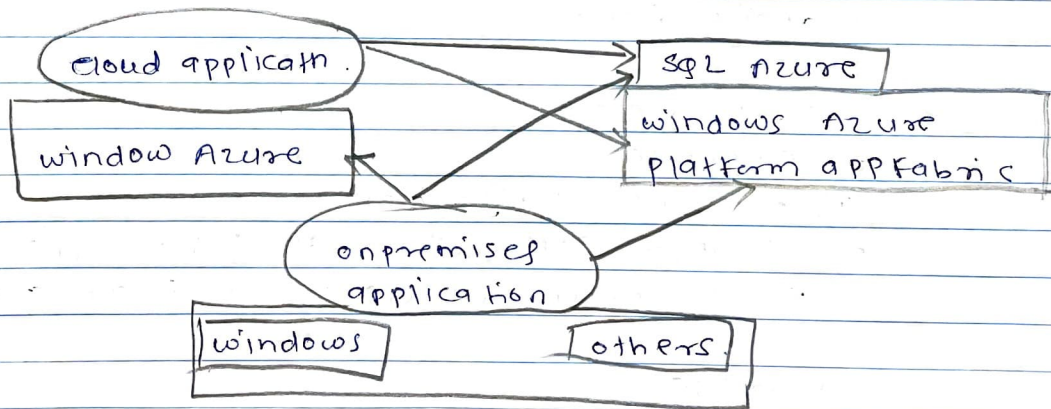# Case study on microsoft Azure.

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Microsoft azure is a growing collection of integrated cloud services which developers and IT professionals use to build, deploy and manage applications through a global network of datacentres.

with azure developers get freedom to build and deploy whenever they want, using the tools, applications and frameworks of their choice.

It is one of the pass vendors.

It starts general availability of feb 2010 and builds global data centres around the world.

== Azure platform:-

A group of cloud technologies each providing a specific set of services to application developers.

— MS Azure:-

provide a windows based environment for running applications & storing data on servers in microsoft data centres.

SQL Azure:

provides data services in the cloud based on SQL server.

APP fabric:

provides cloud services for connecting application running in the cloud or en premises.

MS Azure:

customers use it to run applications and store data on internet accesible machines owned by microsoft.

Those applications might provide services to business to consumers or both.

MS azure is a foundation for running applications & storing data in the cloud.

provides compute & storage services for cloud applications.

components:

compute:

1) running applications
2) support applications that have a very large no. of simultaneous users and that can scale out.

storage:

1) storing and accessing data
2) applications require storage as simple blobs a more structured way to store information or a way to exchange data b/w different part of an applications.

— Fabric:

① managing resources

windows azure provides two nodes

ⓐ web role — a running environment that user can access.

ⓑ worker role - ability to handle complicated task.

= Deploy anywhere with your choice of tools.

connecting cloud and on-premises with consistent hybrid cloud capabilities and using open source technologies.

= Protection mechanism:

Azure helps to protect assets through a rigorous methodology and focus on security, privacy, compliance and transparency.

— Azure is a public cloud computing platform with solutions including infrastructure as a service. PaaS & saas, that can be used for services such as analytics, virtual computing, storage, networking & much more.