

What does it mean to be properly cloud native?

Cloud native and in the cloud are different things. Getting some legacy technology into the cloud may tick a box, but it doesn't bring all the advantages of a full cloud native deployment.

So what makes Thought Machine's approach cloud native?

Micro-service architecture	No monolithic systems which do not provide granular access.
Containers	Isolates against complexities of different operating systems and application dependencies.
APIs	External applications can easily connect.
Kubernetes	The orchestration layer.
Encrypted data	At rest and in transit.
Horizontally scalable	Vault can scale from hundreds to hundreds of millions of customers without any upgrades or other manual intervention.
High availability	Runs in multiple data centres concurrently, upgrades can happen without any downtime.
Continuous deployment	System upgrades happen regularly and automatically.
Automated test harnesses	Allows changes to be rapidly tested, facilitating faster and more cost effective roll out.

About

Thought Machine builds core banking technology enabling banks to deploy modern, cloud-native, systems. We solve the banking industry's primary problem: reliance on outdated IT infrastructure. This cripples the industry's ability to provide its customers a service they deserve. Thought Machine's clients include Lloyds Bank, SEB, Atom Bank and Standard Chartered.

Contact

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If a system does not have most of the above, it is not cloud native.

Why are these so important? What's wrong with putting older applications in the cloud?

A bank may achieve some cost savings by outsourcing the hardware needs from its own data centre to the cloud. But this is only a fraction of the journey. By going cloud native, a bank can achieve all the great benefits provided by deploying Vault.