

Modernize your core banking systems

Improve processes, software, and systems with Red Hat and Thought Machine

Cloud-native core banking from Thought Machine and Red Hat

“By 2024, 75% of enterprises will prioritize infrastructure agility and operational efficiency, leading to a 5x increase in the adoption of cloud-native architectures for business applications.”¹

Using technology to deliver enhanced experiences for banking customers

Many banks want to meet the demand for hyper-personalized, omnichannel customer experiences. Meeting this demand is difficult to do with monolithic legacy platforms and isolated product architectures where the product, customer, and transaction data are fragmented and there is no single source of truth.

Banks need to modernize their core banking platform to reduce IT costs, improve agility and time to market, and scale on demand so they can respond to rapidly changing regulatory, security, environmental, and customer requirements.

Modernize with Red Hat and Thought Machine

Together, Thought Machine and Red Hat are streamlining the path to cloud-native banking. With Thought Machine Vault running on Red Hat® OpenShift®, you can move to the cloud at a pace that’s best for your bank—while still maintaining regulatory standards, safety, and stability.

Thought Machine’s Vault is a next-generation core banking engine based on containers running on Red Hat OpenShift. Vault is built around APIs using a microservices-based architecture. The services provided by Vault deliver the core functionality required to run a bank. Additional services, provided by the bank or other vendors, connect through APIs to provide a frictionless bank.

Red Hat OpenShift is an enterprise Kubernetes container platform with full-stack, automated operations to manage hybrid cloud, multicloud, and edge deployments. Red Hat OpenShift is optimized to improve developer productivity and promote innovation. It also allows you to run your IT systems across in-house hardware and the cloud as if they were a single environment.

Reduce IT costs

With Thought Machine’s Vault and Red Hat OpenShift, you can deploy applications and services anywhere. Red Hat OpenShift is a multicloud solution that simplifies operations, management, and automation across multiple clouds and on-premise. You can choose your own cloud: AWS, Google Cloud, Microsoft Azure, IBM Financial Cloud, or other cloud providers. Red Hat OpenShift also simplifies infrastructure management, saving DevOps teams time and money and allowing developers to focus on writing code.

Thought Machine’s Vault operates in a highly automated DevOps environment—nearly everything traditionally done with manual intervention in a datacenter can be performed automatically. Hardware upgrades, software upgrades, and testing are all automated, vastly reducing the human resource and associated costs needed to run the bank.

Improve agility and time-to-market

Red Hat OpenShift supports tools for the complete development life cycle, streamlining the software delivery process and supporting speed and innovation. Deploying is as simple as clicking a button. You can accelerate DevOps; build, test, and run iterations; and bring new services and experiences to customers faster than you can with traditional waterfall development cycles.

Thought Machine Vault's microservices-based design and the Red Hat OpenShift container development environment help banks introduce new products, features, and updates faster. Extensions and fixes only need to be made to a single microservice rather than a monolithic code base. With this speed and agility, you can quickly adapt to changing regulatory, environmental, economic conditions, and customer demand.

In addition, with Vault you can quickly and easily integrate leading third-party offerings into your portfolio for your clients. Vault offers direct access to the key data in the bank through its streaming API. The level of automation and abstraction provided by Red Hat OpenShift, Red Hat Ansible® Automation Platform, and Red Hat Integration allows Vault business users and developers to quickly access all their data sources and make the connections required to implement new customer journeys and features.

Scale on demand

Thought Machine Vault can efficiently run a bank of any size. As your customer volume grows, Vault's load balancing and horizontal auto-scaling, supported by Red Hat OpenShift, match to the size of your deployment. Vault can efficiently handle any number of customers without any redesign, redeployment, or other manual intervention. Vault can also handle transaction volumes in the tens of thousands per second.

With Red Hat OpenShift you can scale Thought Machine containers elastically across on-premise, private cloud, and public cloud infrastructures. In addition, with the Red Hat certified partner ecosystem, you can run anywhere and not have to worry about cloud platform lock-in or cross-border data sovereignty issues.

Achieve cloud-native banking with Red Hat and Thought Machine

From its inception, Vault was created purposefully as a cloud native platform—it does not contain any legacy or pre-cloud technology. Combined with Red Hat OpenShift, you get a system optimized to provide the speed, agility, and scalability you need to move to the cloud at your own pace while maintaining your competitive edge, growing your customer base, and increasing your margins. You also benefit from access to a community of experts, knowledge resources, and support tools.

Learn more about core banking solutions from [Red Hat](#) and [Thought Machine](#).



About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

f facebook.com/redhatinc
t @RedHat
in linkedin.com/company/red-hat

North America
1 888 REDHAT1
www.redhat.com

**Europe, Middle East,
and Africa**
00800 7334 2835
europe@redhat.com

Asia Pacific
+65 6490 4200
apac@redhat.com

Latin America
+54 11 4329 7300
info-latam@redhat.com