cognizant

Appendix

Digital Banking with Temenos powered by Open Source

May 2024

Contents

Additional Material

More Background Info around Temenos

Temenos Infinity

Temenos Infinity is the platform for business transformation that helps financial institutions to accelerate their digital transformation initiatives, bringing world-class front and middle office transactional capabilities. It enables financial institutions to reimagine the way that they engage with their customers – through both digital and physical channels – creating a consistent and seamless experience.

Temenos Infinity is core agnostic and available as SaaS, in the cloud, or on premise, offering tools and templates to accelerate your adoption. It removes the complexity of integrating digital banking services with multiple back office systems – enabling you to launch engaging digital solutions, fast, across all banking sectors.

Temenos Transact

Temenos Transact is one of the most successful and widely used digital core-banking solutions in the world. Using cloud native and agnostic technology, Temenos Transact provides the most extensive and richest set of banking functionality across retail, corporate, treasury, wealth and payments with over 3,000 clients in 150+ countries relying on it to provide market leading and innovative products and services to their customers.

Detailed view of the Value Proposition and Customer Scenarios

New Customer

Red Hat is an excellent choice for securely and efficiently onboarding Temenos applications. Here are the reasons why:

1. Enhanced Security

Red Hat's Openshift provides enterprise-grade security features, including built-in security controls and policies, to safeguard against unauthorized access and vulnerabilities. Openshift's security model is designed to ensure the integrity and confidentiality of data, offering a secure environment for deploying and running applications.

2. Containerization

with OpenShift: Red Hat OpenShift, based on Kubernetes, offers robust container orchestration capabilities. This enables secure deployment and management of Temenos applications, isolating them from other applications and providing precise resource control.

3. Certified Middleware

Red Hat provides a range of middleware products, including WildFly for Java applications and Red Hat AMQ for messaging. These products are certified to work seamlessly with Temenos applications, ensuring compatibility and security.

4. Integration and Automation

Red Hat offers tools like Ansible for automation and integration, streamlining the deployment and management of Temenos applications. This reduces the time and effort required for onboarding, allowing for a faster go-to-market strategy.

5. Support and Maintenance

Red Hat provides enterprise-level support and maintenance for its products, including regular security updates and patches. This ensures that Temenos applications remain secure and up to date.

6. Scalability and Performance

Red Hat's infrastructure solutions are designed for scalability and performance, making them ideal for deploying and running Temenos applications in demanding environments.

In summary, selecting Red Hat to onboard Temenos applications provides a secure, scalable, and efficient platform, allowing businesses to accelerate their digital transformation with confidence.

Banking Modernization

Modernizing banking operations is crucial for staying competitive in today's dynamic market. By leveraging a Temenos setup with Red Hat, banks can drive efficiency and innovation in banking. Here are the reasons why:

1. Agility and Adaptability

Temenos offers a cloud-native banking platform that enables banks to quickly respond to market changes and customer needs. Red Hat's OpenShift further enhances this agility by providing a scalable and flexible infrastructure.

2. Security and Compliance

Red Hat's security features ensure that banking data is protected, and compliance requirements are met. This is particularly essential in the highly regulated banking industry.

3. Scalability and Performance

Red Hat's solutions are designed to scale with the growing demands of banking operations, ensuring optimal performance under varying workloads.

4. Integration and Automation

Red Hat's tools, such as Ansible, enable banks to automate processes and integrate systems, reducing manual efforts and increasing operational efficiency.

5. Cost-Efficiency

Leveraging Red Hat's open-source solutions helps banks reduce infrastructure costs while benefiting from a modern and efficient banking platform.

6. Enhanced Customer Experience

By combining Temenos' modern banking platform with Red Hat's technology stack, banks can offer personalized and innovative services, enhancing the overall customer experience.

In summary, banking modernization with Temenos on Red Hat drives efficiency through agility, security, scalability, integration, cost savings, and improved customer experiences.

Cloud Readiness

Cloud readiness is a crucial factor for organizations that want to modernize their operations and explore new opportunities. When it comes to Temenos applications, integrating them with Red Hat's cloud infrastructure brings a myriad of benefits:

1. Scalability

With Red Hat's cloud infrastructure, Temenos applications can scale effortlessly, ensuring optimal performance during peak usage and cost-efficiency during quieter periods.

2. Flexibility

Cloud readiness enables users to access Temenos applications from anywhere, providing them with the freedom to work remotely and access services on-the-go.

3. Cost Savings

By utilizing Red Hat's cloud solutions, organizations can reduce their infrastructure costs and benefit from flexible pricing models, resulting in significant savings.

4. Security

Red Hat's cloud solutions offer robust security features, including encryption and access controls, that ensure the security and integrity of Temenos applications and data.

5. Collaboration

Cloud readiness fosters real-time collaboration among Temenos application users, enhancing productivity and efficiency across teams.

6. Disaster Recovery and Business Continuity

Red Hat's cloud solutions enable easy implementation of backup and recovery solutions, guaranteeing that Temenos applications remain available, and data is protected in the event of a disaster.

7. Innovation

Cloud readiness enables organizations to quickly adopt new technologies and services, driving innovation and keeping them competitive in the market with their Temenos applications.

In conclusion, achieving cloud readiness for Temenos applications on Red Hat opens a world of possibilities, providing scalability, flexibility, cost savings, security, collaboration, disaster recovery, and innovation.
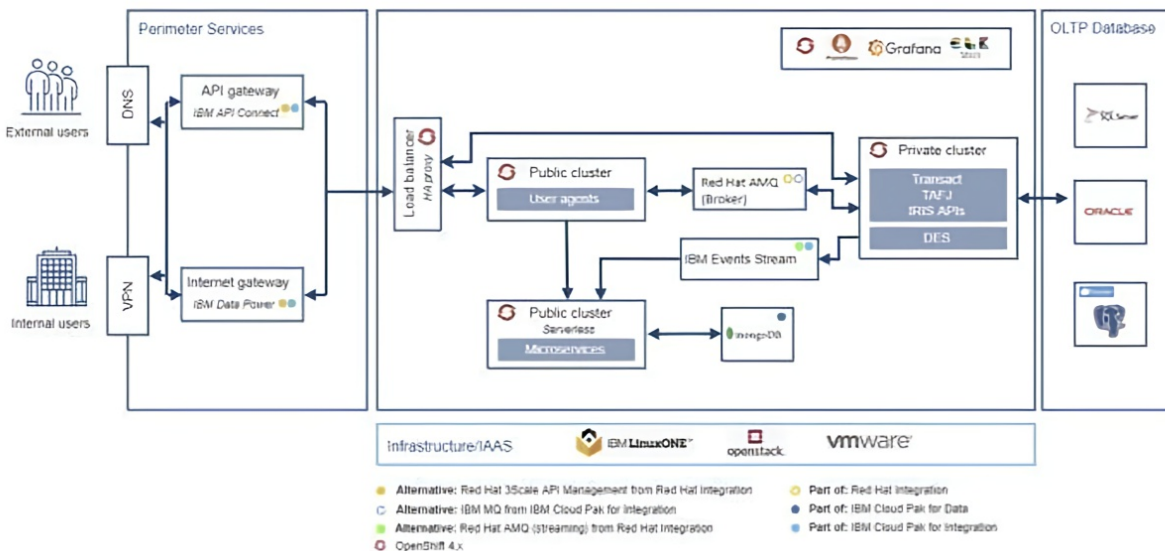
Application Deployment Model

This section provides a baseline deployment architecture on a Highly Available OpenShift cluster based on the deployment model for Medium size configuration.

Transact Application Deployment Architecture

The high-level logical deployment architecture is summarized in the following diagram, the first one depicts Transact is using IBM API Connect as an example, it is important to keep in mind that the API gateway can be chosen by the customer and that also Temenos can provide one.

R22 Transact on OpenShift Reference Architecture

## Infinity Application Deployment Architecture

The high-level logical deployment architecture is summarized in the following diagram.

Infinity is a purpose built platform to deliver seamless experiences across digital banking applications and channels. It offers a set of comprehensive features to provide a true Digital Banking experience to your customers. Infinity enables banks and credit unions to deliver exceptional omni-channel experiences without compromising on agility, security, or flexibility.

Infinity Architecture comprises the following:

- Client Channel
- Experience APIs (Quantum Fabric)
- Enterprise APIs (Micro Services)
- IRIS Services (Transact/Core)
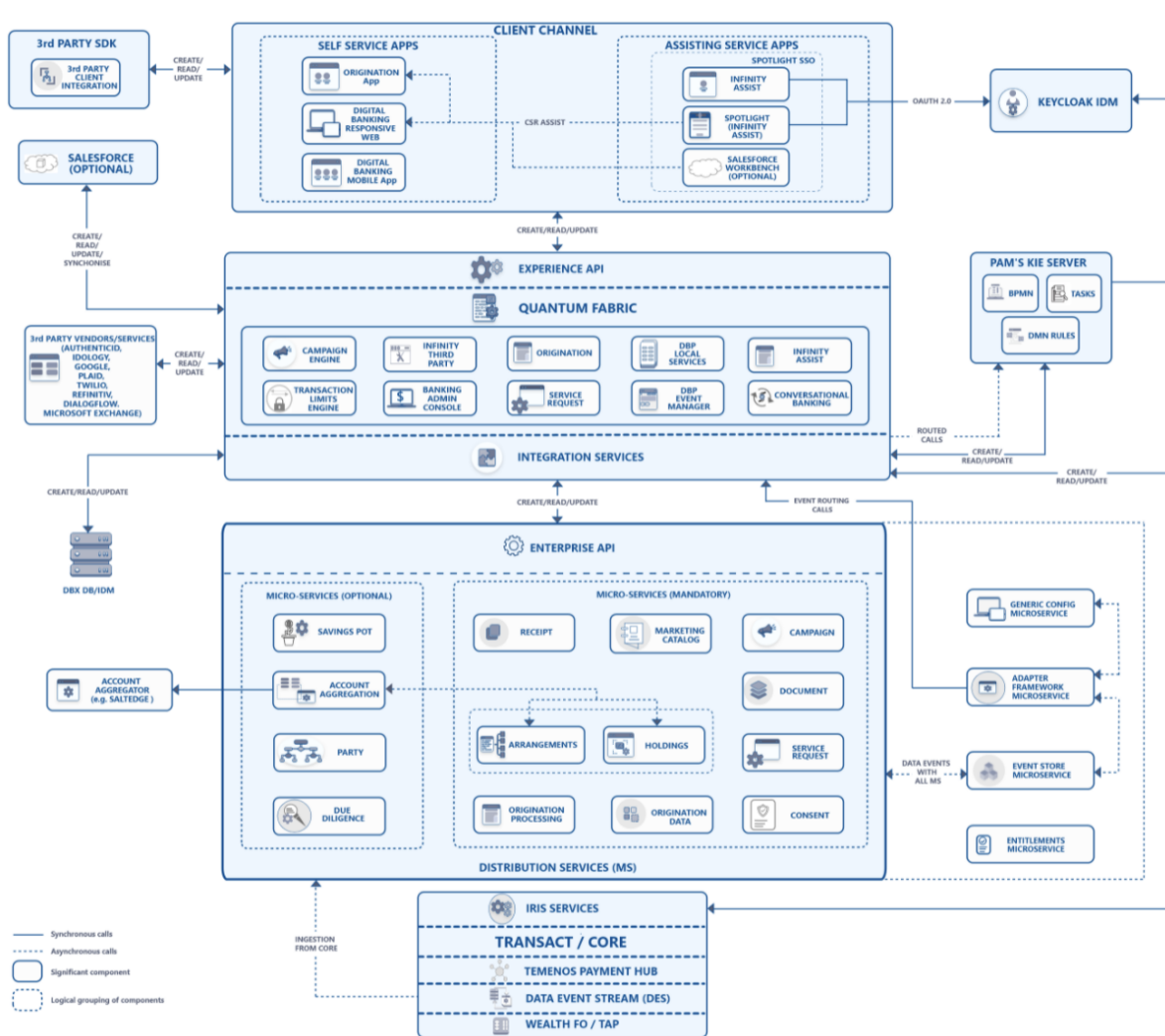
Additional Links

[Red Hat's approach to open hybrid cloud (a 6min read)](#)

[Temenos - Red Hat An open ecosystem for network innovation](#)

[Red Hat and Temenos enable process automation for digital banking](#)

[Temenos Transact on IBM Power with Red Hat OpenShift](#)

[Modernize payments with Red Hat and Temenos](#)

Company Profile Cognizant

Cognizant (Nasdaq-100: CTSH) engineers modern businesses. We help our clients modernize technology, reimagine processes and transform experiences so they can stay ahead in our fast-changing world. Together, we're improving everyday life. See how at cognizant.ch.

Apart from over 500 Temenos experts, Cognizant has a dedicated Temenos Labs setup for different versions of the products like Temenos Core Banking, Front Office, Analytics, etc. We also offer a framework for helping Temenos clients to adopt integrated Agile & DevOps. We have proven competency in deploying Temenos 3-Tier architecture on Temenos SaaS, AWS, Google, and Azure cloud platforms. We have also set up an Upgrade Factory Model for quick and cost-effective upgrade activities.

Being "Cognizant" means partnering with clients to navigate an uncertain and volatile business environment. Cognizant offers a unique global delivery model infused with a distinct culture of customer satisfaction. Its strategy is to consistently reinvest in its people, processes, and technologies to deliver the best to clients.

This approach has led to many long-term relationships with customers, with over 90% repeat revenue and consistently high client satisfaction scores above 95%.