

Advancing FSI innovation with cloud-native applications

“Cloud-native leaders are building more than 20% of their applications in the cloud, driven by the need to improve velocity, collaboration, and customer experience.”¹

Innovation is vital for a financial services industry (FSI) challenged to speed the delivery of new services and deliver more personalized customer experiences. Modern technology helps FSI organizations address market changes, forge partnerships that can inspire new services, and align IT initiatives with business strategies by expanding the development and delivery of applications.

Speed and agility are key to a customer-focused business model. When adopting a cloud strategy, organizations need a platform that allows application deployment in any environment without abandoning or rebuilding legacy applications.

Cloud-native development gives financial services organizations the flexibility to build applications that attract and keep customers while taking advantage of partnerships with financial technology (fintech) providers. By speeding iteration to allow the continuous movement of workloads, cloud-native development helps organizations bring service innovations to market faster to create and sustain a competitive advantage. Infrastructure modernization, automation, and cloud-native containers prompt business transformation with the portability of containers, creating cost and resource savings.

Accelerating application development and delivery with Red Hat and Intel

Red Hat and Intel empower financial services organizations to accelerate and automate the development, deployment, and management of cloud-native applications. Application development and IT operations teams gain the flexibility to develop cloud-native applications without the need to rebuild enterprise applications.

With an enterprise foundation built on Red Hat and Intel, financial services organizations can create flexible and efficient architecture for developing innovative workloads, such as:

- ▶ Artificial intelligence and machine learning (AI/ML) to help uncover opportunities to improve the customer experience, identifying new products and services, fraud detection, and task automation.
- ▶ Edge applications for branch locations and analytics to speed decision making or ATM facial recognition for a more reliable customer experience.
- ▶ Integration and connectivity with an application programming interface (API) exchange that supports an ecosystem of partners and collaboration across the enterprise.
- ▶ Automation of security gates to support dynamic DevSecOps methods.

Red Hat® development and automated management experiences combined with Intel processor innovations provide financial services organizations with the ability to speed new application delivery, optimize existing applications, and [connect them all](#).

Maximize performance

Processor performance affects modern, data-driven financial services workloads, such as AI/ ML, and the shift to serverless computing. Red Hat and Intel allow financial services organizations to spin up, spin down, and scale services as business needs demand. Architecture-optimized AI libraries and tools codeveloped by Intel and Red Hat support high-performance data analytics and AI with processors that feature built-in accelerated inferencing through Intel Deep Learning Boost (Intel DL Boost) with Vector Neural Network Instructions (VNNI).

Optimize resources

Using containers, microservices, and declarative APIs, cloud-native applications take advantage of a smaller footprint to reduce overhead and spin up, while supporting continuous integration and continuous delivery (CI/CD). Cloud-native development has become a foundation for an FSI digital strategy. A codeveloped solution from Red Hat and Intel helps teams develop applications faster, deploy them anywhere, and operate them intelligently, allowing organizations to migrate to cloud to gain speed and scale.

Gain the benefits of an enterprise approach that advances application development and takes advantage of collaborative advancements to ensure consistency and standardization without compromising the performance of existing technology.

About Intel

Intel is an industry leader, creating world-changing technology that enables global progress and enriches lives. Inspired by Moore's Law, Intel continuously works to advance the design and manufacturing of semiconductors to help address their customers' greatest challenges. By embedding intelligence in the cloud, network, edge, and every kind of computing device, Intel unleashes the potential of data to transform business and society for the better.



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.

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