Openkoda

# Modernizing P&C Insurance: Why New Software Solutions Are Key in 2026

✓ No Vendor Lock-in ✓ Unlimited Users ✓ Unlimited Customizability

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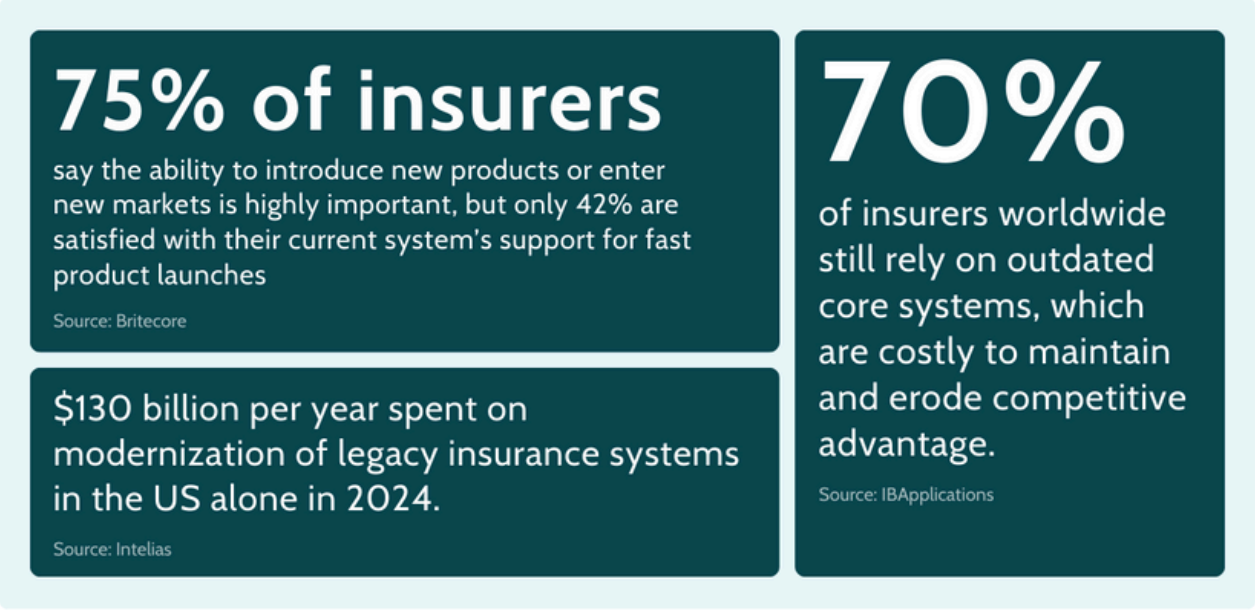
# Legacy Challenges in the P&C Insurance Sector

**Property and Casualty (P&C)** insurers, especially across the US and Europe, are struggling under the weight of legacy software systems that impede agility and innovation. **Over 70% of insurers worldwide still rely on outdated core systems**, which are costly to maintain and erode competitive advantage.

These aging platforms often lack flexibility – in one survey, **64% of P&C insurers cited "inflexibility to adapt to market changes" as the #1 limitation of their current core systems.** The result is that insurers cannot respond quickly to evolving customer needs or emerging risks. Building and launching new insurance products on legacy technology becomes a slow, painful process, requiring extensive custom coding and workarounds.

This drag on innovation directly impacts insurers' market success. Speed to market for new products has become critical, yet legacy systems create a major gap. In fact, **75% of insurers say the ability to introduce new products or enter new markets is highly important**, but only 42% are satisfied with their current system's support for fast product launches.

This 33-point gap shows how legacy software is frustrating business ambitions. Outdated policy administration, claims, and billing systems often require months of development and testing just to roll out a single new product. By the time a new coverage or policy is finally ready, more agile InsurTech competitors or **Managing General Agents (MGAs)** may have already captured the opportunity. In short, legacy core systems are holding carriers back, making it difficult to adapt pricing or products rapidly and driving up operational costs with manual workarounds.

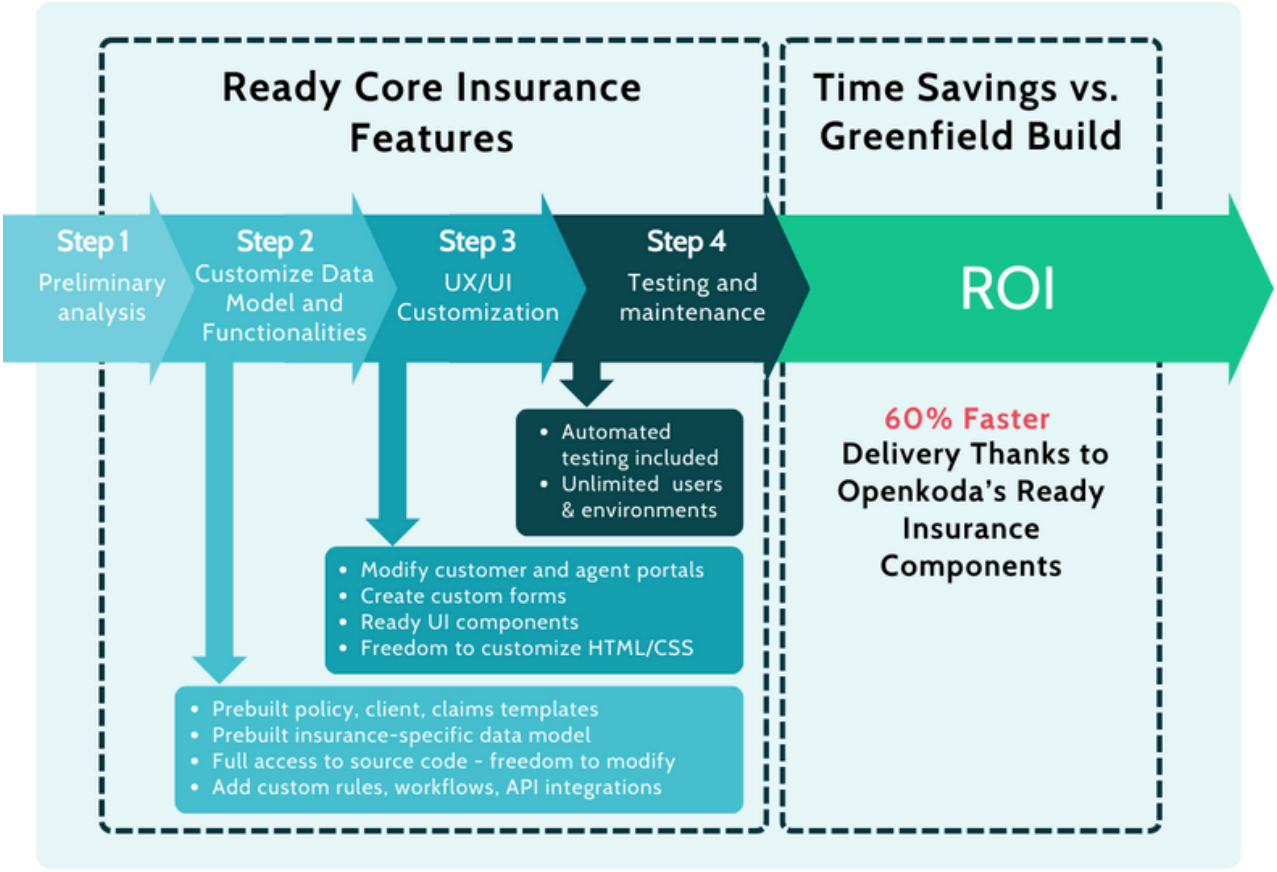


# Core Platforms as a Modernization Path

To overcome these challenges, many insurers are turning to modern core insurance platforms. Unlike fragmented legacy setups, cloud-native **insurance core systems** fuse policy, billing, claims, analytics, and open APIs into a single digital engine, giving carriers the agility to launch products faster and automate at scale. This unified architecture provides a single source of truth for data and eliminates the integration headaches of multiple siloed systems. Insurers gain on-demand scalability, real-time data insights, and the ability to plug in new technologies (from AI-driven claims triage to usage-based insurance telemetry) via open interfaces.

McKinsey notes that cloud-ready core platforms have become the **foundation for faster product launches** and advanced analytics, making core modernization one of the industry's top strategic priorities in 2025. In practice, a modern core platform lets an insurer develop and deploy new products in weeks or months instead of years, by configuring pre-built components rather than coding everything from scratch.

The focus shifts from building basic infrastructure to customizing product logic, which significantly accelerates time-to-market. In this context, Openkoda has emerged as a next-generation core platform tailored to P&C insurance needs. Below, we explore how Openkoda's capabilities can help P&C insurers in the US and Europe modernize their software architecture, address legacy pain points, and bring new products to market with unprecedented speed and flexibility.



# Openkoda: A Modern, Flexible Core Platform for P&C Insurers

**Openkoda** is an **insurtech platform designed to give P&C insurance companies a modern backbone for their operations**. It is essentially a full core insurance system (policy, billing, claims, etc.) that insurers can use as a foundation and then extensively customize to fit their unique products and processes.

Openkoda stands out from traditional  suites by emphasizing extreme customizability, speed, and ownership control. Below, we break down its key capabilities and how they map to P&C insurers' modernization needs:

## Open-Source Architecture with Full Code Ownership (No Lock-In)

Openkoda is built on a popular **open-source tech stack – the entire platform is delivered as standard Java/Spring Boot backend and React/JavaScript frontend code**, running on a PostgreSQL database. Insurers get full access to the source code and own the intellectual property for their implementation, which is a radical departure from typical closed, black-box core systems. This means there is no vendor lock-in: carriers are free to modify any aspect of the system and are not dependent on the **P&C insurance software vendor** for every little change.


In practice, **Openkoda** behaves more like a framework or insurance-focused application platform than a fixed product – your internal IT team or partners can dive under the hood to extend functionality, add new data models, or integrate external services as needed. For example, a P&C insurer offering a specialized coverage can directly code custom policy logic or database extensions in Openkoda to support that product's unique requirements, something often impossible with proprietary SaaS solutions. The platform's philosophy is "you own the code, you decide how much to customize".

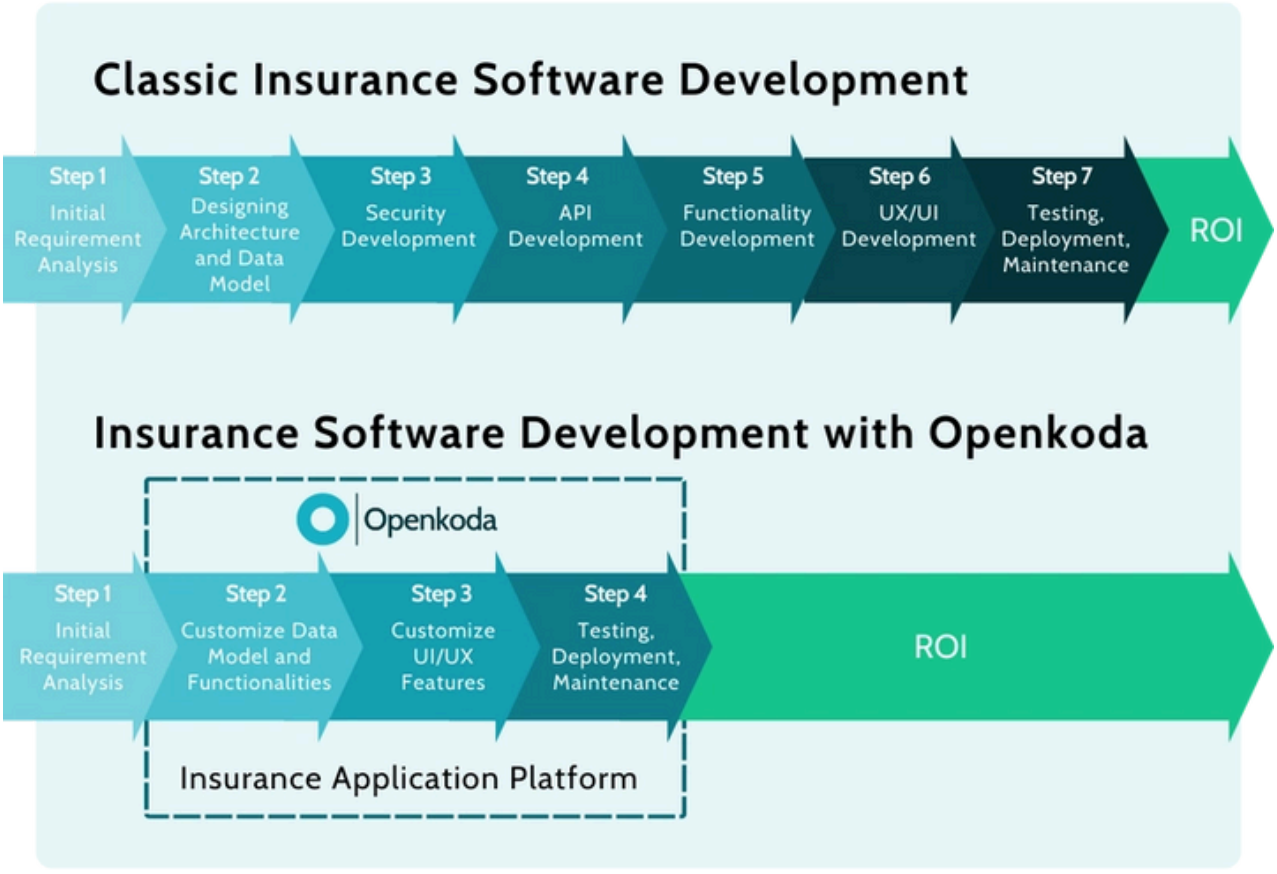
# Rapid Product Configuration and Faster Time-to-Market

One of Openkoda's greatest strengths for P&C carriers is how it accelerates the development of new insurance products. The platform comes with multiple pre-built insurance templates and modules out of the box.

These include ready-made components for core functions like **Policy Management**, **Claims Processing**, **Billing**, and even emerging models like **Embedded Insurance**.

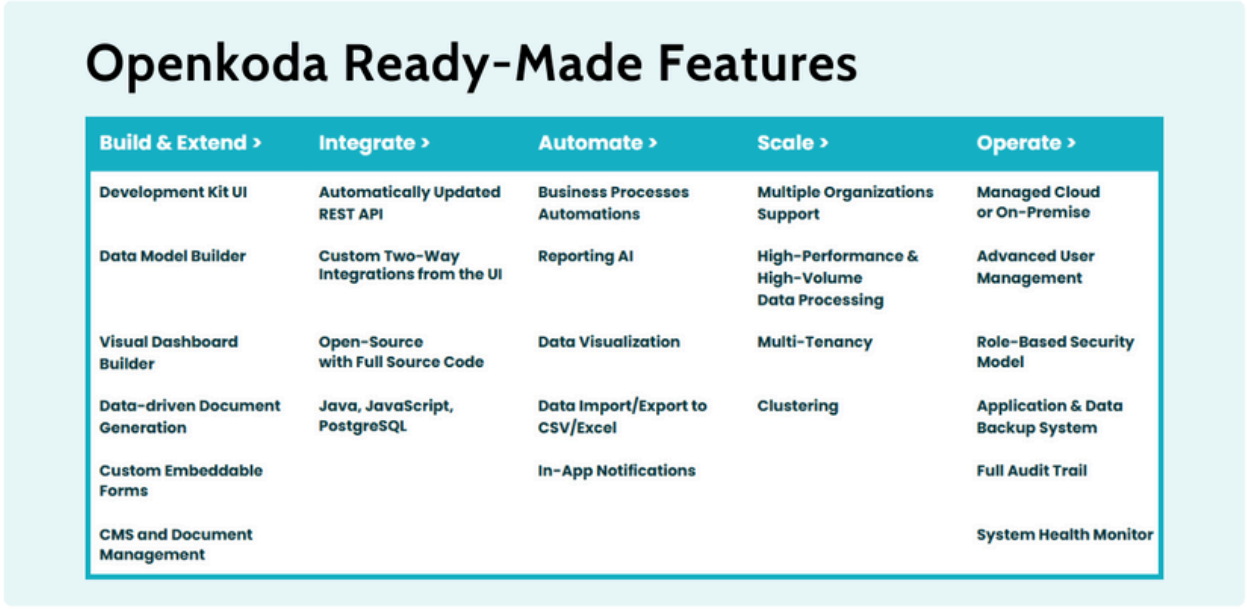
Each template provides a baseline of domain objects, business logic, workflows, and even UI screens tailored to insurance operations. In practice, this means an insurer's team can start a project with a working system (with user management, security, rating engine, reporting, etc. already in place) rather than a blank slate.

For example, if a carrier wants to **launch a new insurance product** for auto industry, they can leverage Openkoda's policy administration template and simply configure the specific coverages, rules, and rates for that product – instead of coding a full policy management system from scratch. Actuaries and product managers can input coverage definitions or underwriting rules directly into the system's models and UI (with minimal developer intervention), because the heavy lifting of creating forms, databases, and workflows is already done.



This drastically shortens the product development cycle. According to Openkoda's data, insurers have seen development cycles cut by roughly 50–60% using this platform – **what might have been a 12-month IT project on a greenfield system can be piloted in 3–6 months using Openkoda platform.**

Industry research echoes this magnitude of improvement: **configurable core platforms typically enable 40–60% faster delivery compared to building from scratch**. With Openkoda, an insurer can prototype a new P&C product in weeks, iterate in days, and deploy in a few months for production testing. Such speed-to-market is invaluable for responding to market opportunities (for instance, rapidly introducing a cyber insurance offering or tweaking coverage for a emerging risk like e-scooters). It also means insurance innovators (like startups or MGAs) can bring niche products to market on limited budgets, since the platform handles the heavy engineering lifting.




Beyond initial launch, Openkoda's flexibility also makes iterating and updating products more efficient.

Need to adjust an underwriting rule or add a new coverage option? In a legacy environment, that might require a new round of coding or vendor change requests. In Openkoda, many changes can be handled through configuration or minor extensions of the existing modules. The platform even includes built-in tools like a visual form and workflow builder, rule engine, and "Reporting AI" for natural-language data queries to speed up development and analysis.

By removing traditional IT bottlenecks, modern platforms like **Openkoda allow P&C insurers to treat product development as a continuous, agile process** – launch quickly, get feedback, refine, and expand.

> Modern software is essential for P&C insurers to streamline operations, elevate customer experiences, and stay ahead in a fast changing market. At Openkoda, we deliver tools to make that happen.
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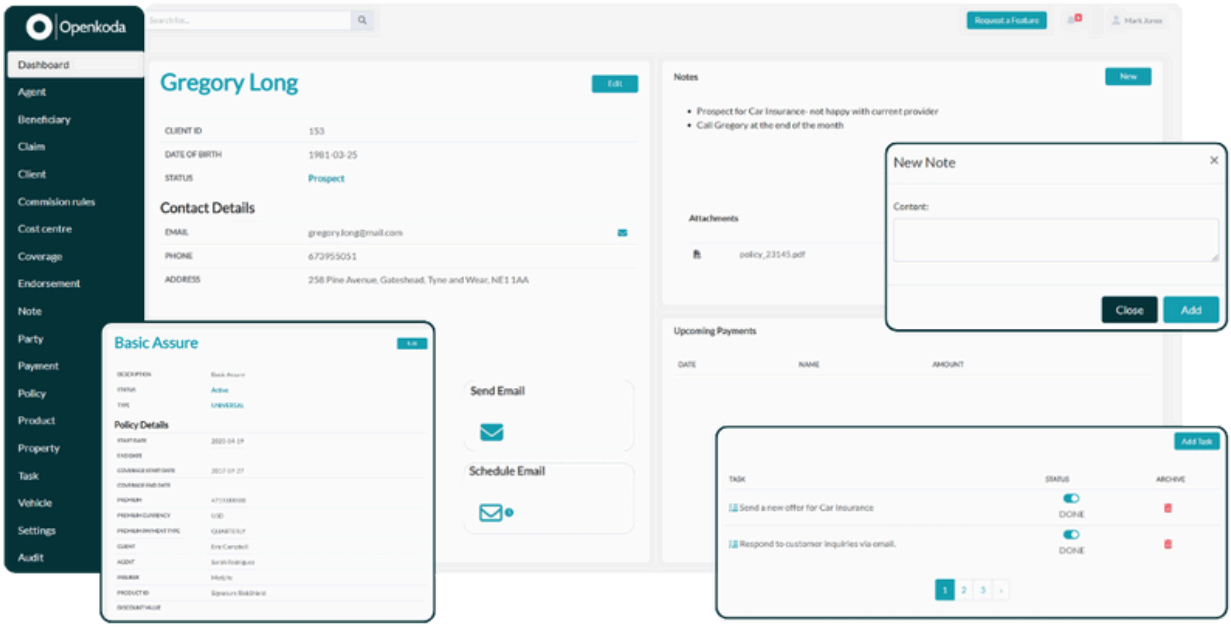
> 
> Michał Głomba
> Openkoda Founder

## Scalability, Performance, and Deployment Flexibility

Enterprise insurers demand that any new core system **not only be fast and flexible, but also robust at scale**. Openkoda addresses this by using a modern microservices architecture with horizontal scalability built in. The platform's services can be clustered and are multi-tenant aware, meaning it can support high volumes of policies/claims across multiple lines of business or even multiple companies on one system. It is designed for high-performance transaction processing, capable of handling large data throughput and real-time processing demands as an insurer grows

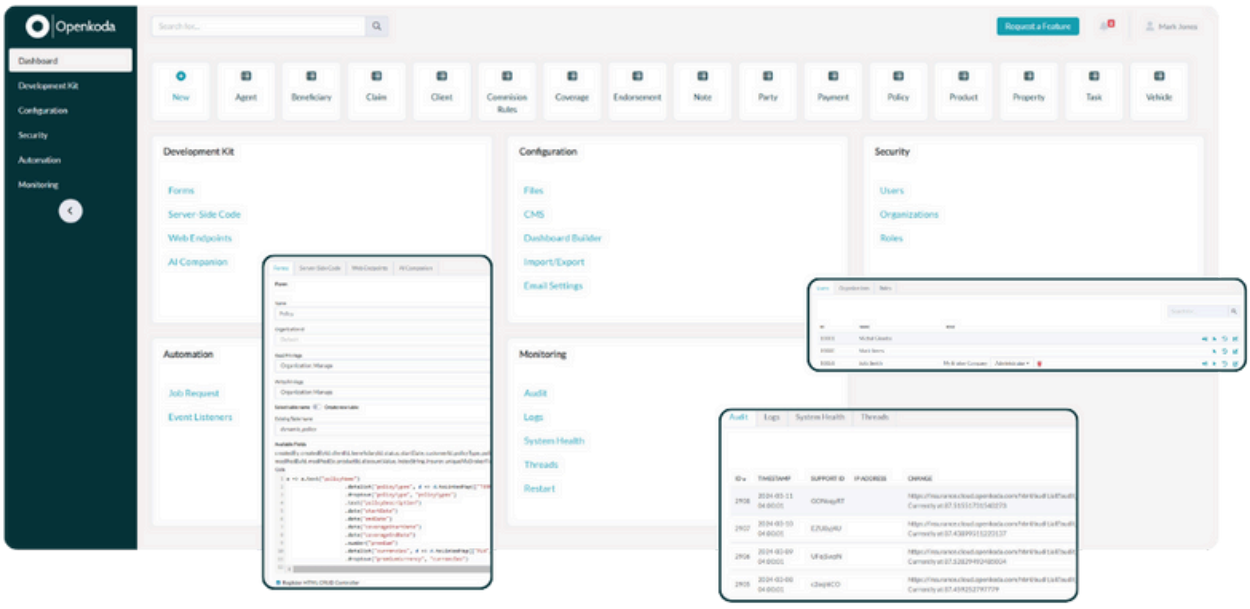
For example, a regional carrier expanding nationally could rely on Openkoda's distributed architecture to scale up capacity (spinning up more service instances, adding database nodes, etc.) without a major overhaul. Performance features like in-memory caching, asynchronous event handling, and a robust rules engine ensure the system can process quotes, claims, and endorsements quickly even under heavy load. Furthermore, Openkoda provides a rich set of APIs (REST and GraphQL) and event streaming capabilities out of the box.

This makes it easier to integrate with the insurer's broader ecosystem – whether connecting to third-party data providers (for things like catastrophe data or telematics) or embedding insurance services into external apps. The open integration approach ensures that carriers can continually extend their capabilities by plugging in InsurTech solutions (IoT, AI services, payment platforms, etc.) without being constrained by the core system.




Importantly, **Openkoda offers flexible deployment options** to fit the stringent security and compliance needs of insurers in different jurisdictions. Unlike some newer core systems that are only offered as multi-tenant SaaS, Openkoda can be deployed in the cloud or on-premises. Insurers can choose an **Openkoda Managed Cloud service or deploy the platform in their own private cloud or data center environment.**

This is a critical feature for European insurers who must comply with GDPR and data residency rules, or for any carrier that prefers to keep sensitive customer data under its direct control. For instance, a European insurer could run Openkoda on its own AWS/Azure cloud in a specific region, or even on in-house servers, to meet regulatory requirements – all while enjoying the same modern functionality. The ability to "deploy in any environment" is baked into Openkoda's design.



In practice, this means **no part of the technology is tied to a proprietary hosting; it uses standard containers and can run on common infrastructure**. Carriers therefore avoid vendor lock-in not just in code, but also in hosting. They have the freedom to scale the system on their terms and perform updates on a schedule that suits their operational calendar (e.g. avoiding disrupting peak periods like renewals). Openkoda's enterprise edition includes advanced features for multi-tenancy, clustering, monitoring, and backups to support reliable operations at scale - essential for a mission-critical insurance core. From a performance standpoint, P&C insurers can be confident that the platform is engineered to handle the complex calculations (rating, reserving) and high transaction volumes of a modern insurer, with real-time responsiveness. And from a governance standpoint, having the option of on-premise deployment provides peace of mind that security and compliance are fully in the insurer's hands when needed.

## No Per-User Fees and Cost Efficiency

(Another practical advantage of Openkoda's model is worth noting: **it avoids the cost escalations that often come with traditional core systems.** The platform is typically offered with a simple, fixed licensing model and unlimited users, rather than charging per seat or transaction. This can make a big difference for P&C insurers with large workforces or many distribution partners accessing the system. It means costs won't spike as the business grows, and the insurer maintains full control over its budget. While cost is not the only factor, a modern core like Openkoda often proves **more cost-effective over time than legacy or big-suite alternatives** – both due to the licensing and the efficiency gains in development and operations.)

# Conclusion: Empowering P&C Innovation with Openkoda

In summary, P&C insurers today face intense pressure to **modernize their software infrastructure in order to stay competitive**. Legacy systems have long hampered insurers in launching new products quickly, integrating emerging technologies, and operating efficiently at scale. Openkoda offers a compelling solution by providing a modern core platform that is highly customizable, fast to implement, and fully under the insurer's control. Its open-source foundation and code ownership model ensure no vendor lock-in, allowing carriers in the US, Europe, and beyond to tailor the system to their market and regulatory needs.

At the same time, its pre-built insurance modules and agile architecture dramatically shorten the time needed to build or enhance insurance products, turning speed-to-market into a strength rather than a struggle.

Openkoda's design for scalability, performance, and on-premise deployability addresses the enterprise-grade concerns of P&C insurers, proving that modernization doesn't require sacrificing control or security. By leveraging platforms like Openkoda, insurers can finally break free of legacy constraints and focus on innovating in insurance – launching tailored products, improving customer experiences, and partnering in new ecosystems – all on a technology backbone that keeps up with their ambitions. The carriers that embrace such modern core solutions will be best positioned to adapt, grow, and lead in the property and casualty market's next chapter.