



Cybersecurity: How Blockchains Can Help



Build Your First AI Agent

₹120
ISSN-2456-4885

OpenSource

Volume: 13 | Issue: 07 | Pages: 100 | May 2025

THE COMPLETE MAGAZINE ON OPEN SOURCE **ForYou**

An **EFY** GROUP Publication

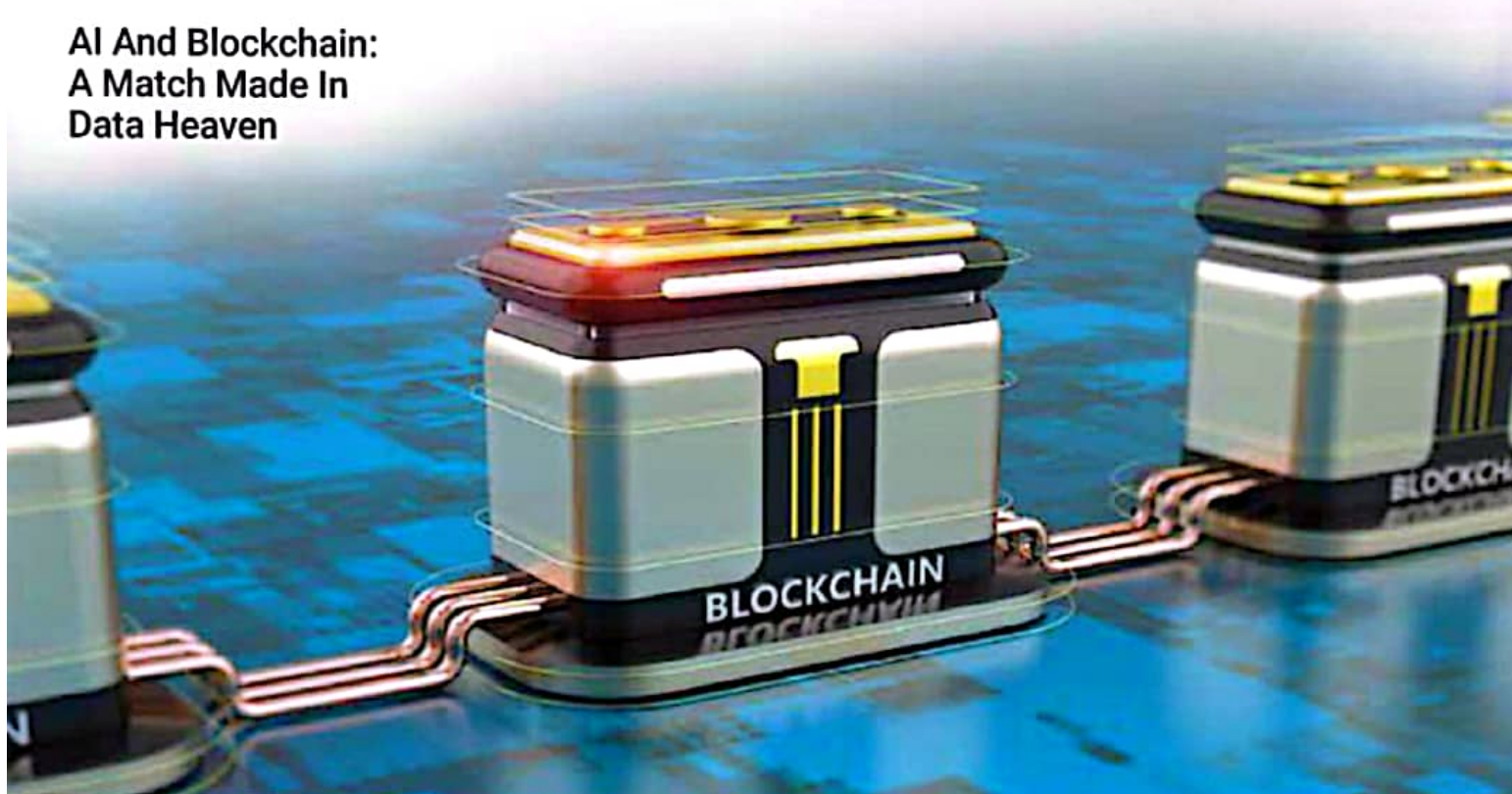
BLOCKCHAIN FACTS

A Beginner's Guide To Solidity, The Smart Contract Programming Language

AI And Blockchain: A Match Made In Data Heaven

Programming Platforms For Blockchain Development

A Peek Into The Consensus Mechanisms Of Open Source Blockchains



An Introduction To Inodes

How AI And ML Enhance Intrusion Detection In Kubernetes

Red Hat announces general availability of Red Hat Developer Hub 1.5

Red Hat, Inc., has announced the general availability of Red Hat Developer Hub 1.5, introducing new capabilities designed to accelerate adoption, personalise the developer experience, and boost overall productivity. Based on the open source Backstage project, Red Hat Developer Hub offers an enterprise-grade internal developer portal tailored to streamline application development at scale.

As organisations strive to deliver more intelligent and responsive customer experiences—often through AI-powered and edge applications—the complexity of building and maintaining these solutions continues to grow. Preparing infrastructure and tools for an AI-driven future demands efficient developer workflows. Internal developer portals like Red Hat Developer Hub play a crucial role in reducing this complexity, enabling developers to focus on innovation while increasing delivery speed and efficiency.

One of the key additions in version 1.5 is insights, now available in developer portals. A new feature provides platform teams with an analytical dashboard that shows how teams are engaging with the platform. It highlights patterns of usage, popular templates and plugins, visit metrics, and more.

These insights empower teams to make informed, data-driven decisions, helping them identify successful practices, uncover areas for improvement, and drive greater engagement across development teams.

By making internal developer portals more accessible, insightful, and tailored to organisational needs, Red Hat Developer Hub 1.5 supports faster time-to-market, optimised developer workflows, and a stronger foundation for building next-generation applications.

Balaji Sivasubramanian, senior director, developer tools, Red Hat, said, “The latest features in Red Hat Developer Hub are designed to not only help organisations increase adoption and efficiency, but also allow for a more tailored portal, providing developers direct access to the tools, templates and components they need to drive innovation.”

these models with proprietary data—regardless of whether that data resides in data centres, public clouds, or edge locations.

Red Hat AI—featuring both Red Hat OpenShift AI and Red Hat Enterprise Linux AI (RHEL AI)—directly addresses these challenges. It empowers enterprises to adopt optimised, business-specific models that can be efficiently trained and deployed across hybrid cloud environments, leveraging a wide range of accelerated compute architectures for both training and inference.

“Red Hat knows that enterprises will need ways to manage the rising cost of their generative AI deployments, as they bring more use cases to production and run at scale. They also need to address the challenge of integrating AI models with private enterprise data and be able to deploy these models wherever their data may live. Red Hat AI helps enterprises address these challenges by enabling them to leverage more efficient, purpose-built models, trained on their data and enable flexible inference across on-premises, cloud and edge environments,” said Joe Fernandes, vice president and general manager, AI business unit, Red Hat.

Red Hat helps Poland’s B2 Impact enhance productivity and security

B2 Impact, one of Poland’s top debt collection companies, has selected Red Hat, Inc., to modernise its IT infrastructure and applications using Red Hat OpenShift and Red Hat OpenShift Virtualization—the hybrid cloud application platform built on Kubernetes. Through this collaboration, B2 Impact has improved operational efficiency, enhanced application quality, and increased the performance of key production environments.

As a result of the modernisation, B2 Impact Poland achieved a four-fold acceleration in ETL (extract, transform, load) processes, reducing the time required to prepare new, fully operational environments to just a few days. This enabled near-continuous service transitions between data centres.

Managing debt for nearly 2.5 million customers and over 10 million cases, B2 Impact operates in a dynamic financial environment challenged by evolving regulatory demands. Addressing its growing technological debt, the company sought a modern IT ecosystem capable of supporting its digital transformation. Key goals included the ability to implement innovation rapidly, strengthen cybersecurity, and ensure compliance with critical EU financial sector regulations such as the Network and Information Security Directive 2 (NIS2) and the Digital Operational Resilience Act (DORA).

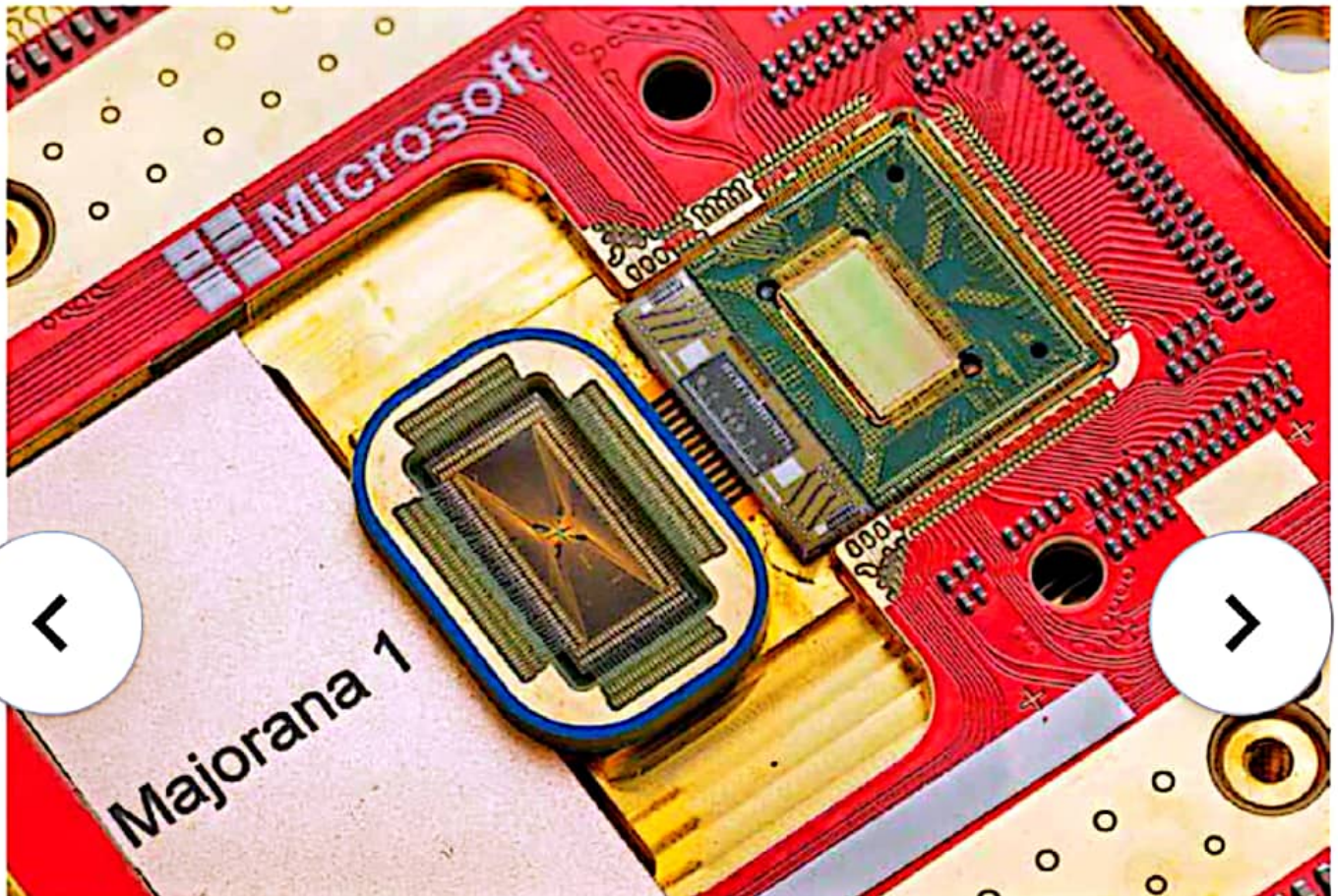
As part of its transformation initiative, B2 Impact upgraded two data centres and migrated its operational environments using Red Hat OpenShift Virtualization, a native feature of OpenShift. The company modernised its technology stack by rearchitecting select virtual machines (VMs) into containers, boosting scalability and application flexibility. By adopting a microservices-based architecture, B2 Impact accelerated development cycles, shortened time-to-market, and enabled faster delivery of products and services.

Lubomir Stojek, country manager Poland, Red Hat, said, “Modernising IT infrastructure is a necessity today, especially for the financial sector to ensure the highest level of security and compliance with regulations such as NIS2 and DORA. B2 Impact is on a journey to strengthen their systems and better manage risks, which is crucial in times of dynamic threats. It’s an honour to be able to help companies like B2 Impact achieve their virtualisation goals, enabling faster deployment of new products and services and adapting them to changing market needs.”

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Palm-Sized Quantum Chips Spark Boundless Dreams



Microsoft's Majorana 1 (Courtesy: Microsoft)

Meet the newest entrants to the quantum computing race—Google's Willow, Microsoft's Majorana 1, and Amazon's Ocelot, which take us closer to the possibility of a commercially-viable large quantum computer.

Those interested in quantum computing know that there is constant activity in the space—research and development, government policies, investment, and more. However, when there is a wave of announcements from big tech companies, everyone notices—even the non-techies. The unveiling of quantum chips by Google, Microsoft, and Amazon, in quick succession, has garnered a lot of media traction, suddenly making quantum computing a coffee table topic. This buzz has made

people more aware of what quantum computing can do—and awareness has the potential to accelerate a technology's journey to the mainstream.

Why are companies so keen on developing fault-tolerant large quantum computers? Is it because they can outperform classical computers? Yes, they can. But more than that, quantum computers have massive parallel processing ability far beyond the reach of classical supercomputers because their basic building block—a qubit—can hold multiple states, unlike