

Accelerating Cloud-native AI Development

Organizations increasingly recognize the criticality of enabling AI-centric teams to accelerate AI application and solution development. To empower developers to build, test, port, and integrate AI applications faster than ever before, organizations are turning to cloud development platforms for improved efficiency, performance, flexibility, and cost-effectiveness.

Enabling AI Developers to Thrive in a Cloud-native World

Embracing cloud-native development has opened organizations up to new levels of scale, resilience, and agility. But, without access to the right resources, AI developers face obstacles speeding development, innovating, and helping the business maintain a competitive edge.

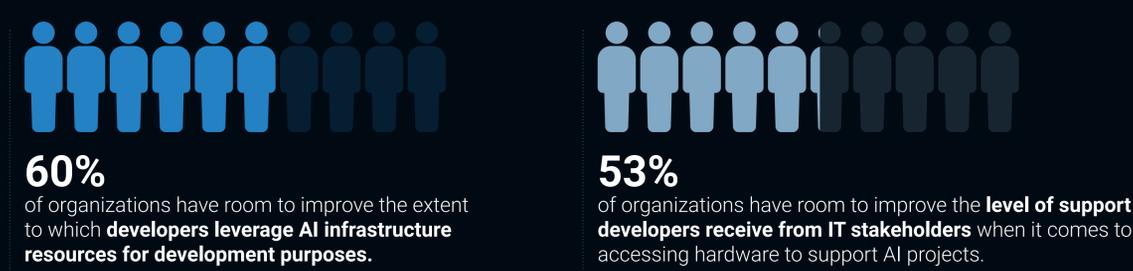


97% of organizations build and deploy cloud-native applications today.

Challenges Organizations Face with Cloud-native AI Application Development Point to a Need for Greater Accessibility to Leading Infrastructure



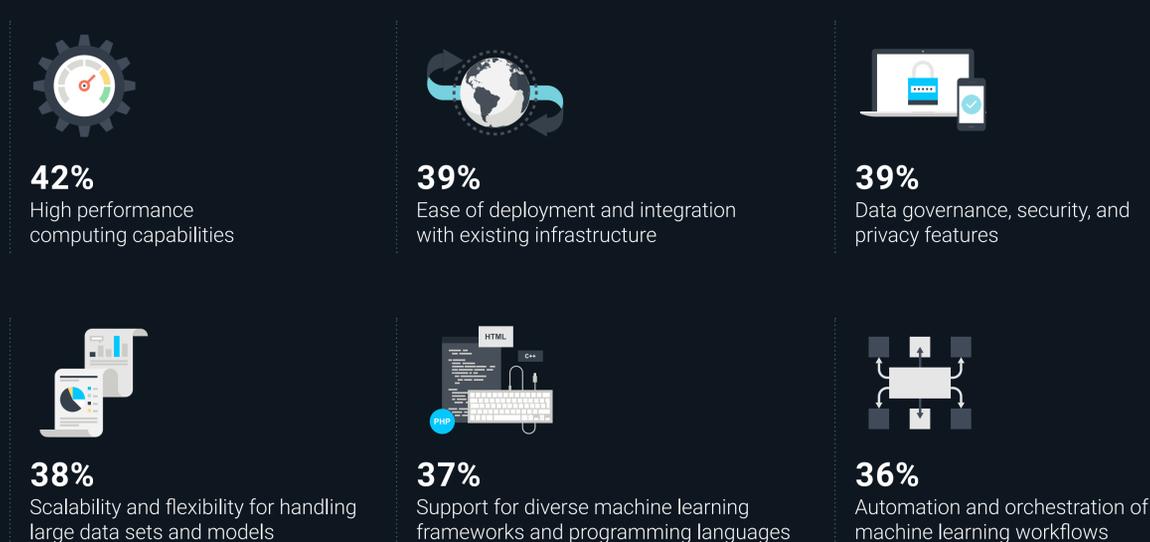
Opportunities to Improve AI Developer Hardware Access and Support



Key Infrastructure Capabilities to Best Support AI Application Development

In choosing the right environment and infrastructure to support AI development, it is crucial to prioritize performance, scalability, flexibility, and portability to ensure the success of AI development teams.

Most Important AI Cloud Infrastructure Capabilities



87% of organizations view application portability as very important, if not critical, going forward. That portability extends not only across environments but between hardware architectures that include CPUs, GPUs, and other AI accelerators."



—Mike Leone | Principal Analyst
ENTERPRISE STRATEGY GROUP

Intel® Developer Cloud for Accelerated Computing and AI

Build, test, and run AI applications and workloads on a cluster of the latest Intel hardware and software.

<h3>Accelerate AI and HPC</h3> <p>Accelerate and scale AI with the latest hardware and software innovations in this development environment. Gain more compute power and choices to fine-tune your software and generative AI.</p>	<h3>Optimize for Scale</h3> <p>Evaluate, benchmark, and scale AI applications on Intel® hardware with immediate access to the latest and greatest technologies available worldwide.</p>	<h3>Build Portable, Multiarchitecture Applications</h3> <p>Use open, standards-based oneAPI programming with advanced AI tools, optimized frameworks, and models to build portable applications that work across multiple architectures. Test workloads across Intel® CPUs, GPUs, and Gaudi®2 AI accelerators.</p>
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Evaluate performance and acceleration with multiple hardware configurations.	Build heterogeneous applications.	Benchmark your own AI workloads with always-on access to the latest AI hardware.	Experiment with real-world code samples.	Gain MLOps and AI solution design expertise through hands-on training and tutorials.
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Closing the Cloud-native AI Development Gap

As developers search for the right cloud-native development platform to rapidly build and test AI applications, ensuring the right balance of efficiency, performance, and cost is critical. Increasingly, developers need access to multiarchitecture resources, the ability to optimize applications and AI workflows end-to-end, and robust testing for improved agility and portability. With the Intel Developer Cloud, development teams gain access to Intel AI hardware and software in a controlled and scalable environment, including CPUs, GPUs, tools, libraries, AI frameworks, and models. The result is developers streamlining the incorporation of the latest AI innovations into modern applications with enhanced testing before applying them to production code.

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