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Publication date: August 27, 2024 (Document history) Amazon Web Services offers a broad set of global cloud-based products including compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, security, and enterprise applications: on-demand, available in seconds, with pay-as-you-go pricing. From data warehousing to deployment tools, directories to content delivery, over 200 AWS services are available.New services can be provisioned quickly, without the upfront fixed expense. This allows enterprises, start-ups, small and medium-sized businesses, and customers in the public sector to access the building blocks they need to respond quickly to changing business requirements. This whitepaper provides you with an overview of the benefits of the AWS Cloud and introduces you to the services that make up the platform. Introduction In 2006, Amazon Web Services (AWS) began offering IT infrastructure services to businesses as web services—now commonly known as cloud computing. One of the key benefits of cloud computing is the opportunity to replace upfront capital infrastructure expenses with low variable costs that scale with your business. With the cloud, businesses no longer need to plan for and procure servers and other IT infrastructure weeks or months in advance. Instead, they can instantly spin up hundreds or thousands of servers in minutes and deliver results faster. Today, AWS provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. This three and a half minute video explores how millions of customers use AWS to take advantage of the efficiencies of cloud computing. Amazon Elastic Compute Cloud (Amazon EC2) の Tn2 インスタンスは、生成 AI トレーニングと推論のための最も強力な Amazon EC2 インスタンスです。AWS Trainium2 チップが搭載された Tn2 インスタンスは、現行の GPU ベースの EC2 インスタンス (P5e および P5en) と比較して最大 40% 優れた価格パフォーマンスを実現します。3 つの新しい Amazon SageMaker HyperPod イノベーションは、今日最も人気のあるいくつかのモデルをトレーニングするために独自の F1 の構築を簡単に開始できるようにし、トレーニング時間を最大 40% 削減します。タスクがバックスによってコンビューティングリソースの割り当てに対する完全な可塑性と制御が可能になり、柔軟なトレーニングプランはコンビューティングリソースを効率的に使用してモデルトレーニング時間を短縮します。Amazon SageMaker AI では、Amazon SageMaker Studio で AWS パートナーからのフルマネージド型生成 AI および機械学習 (ML) 開発アプリケーションを検索してデプロイし、使用できるようになりました。この統合は、ユーザーに最適なツールを選択するために役立ちます。Skip to main content Artificial Intelligence (AI) AWS gives you greatest choice and flexibility to meet your specific needs so you can choose the right tool for the job. AWS offers the widest variety of compute instances, storage classes, databases, and analytics, all purpose-built to deliver the best cost and performance. This includes the most comprehensive set of AI and data services, including your choice of leading FMs to build generative AI applications. Moving applications to the cloud with AWS makes it faster, easier, and more cost effective to migrate your applications to the cloud or build nearly anything you can imagine.Learn more about our capabilities AWS has the largest community, with millions of active customers and over 130,000 AWS Partners globally from more than 200 countries. Customers across virtually every industry and of every size, including startups, enterprises, and public sector organizations, are running every imaginable use case on AWS. The AWS Partner Network includes thousands of systems integrators who specialize in AWS services and tens of thousands of independent software vendors (ISVs) who adapt their technology to work on AWS.Learn more about our partners Security is our top priority. AWS is architected to be the most flexible and secure cloud computing environment available today, with infrastructure built to satisfy the security requirements of the highest sensitivity organizations, including government, healthcare, and financial services. This is backed by a deep set of cloud security tools, with over 300 security, compliance, and governance services and features, as well as support for 143 security standards and compliance certifications. Build, run, and scale your applications on a cloud that's secure by design.Learn more about our security AWS works backwards from our customers' needs, innovating continuously to help you move ideas to reality and accelerate transformation today and in the future. We pioneered cloud computing, and have invested years designing custom silicon optimized for the cloud to deliver the best price performance and energy efficiency for a wide range of applications and workloads. AWS fosters a culture of innovation to fuel growth, improve performance, and lower costs for our customers, so you can focus on innovation. Learn more about how AWS can help you innovate AWS has unmatched experience, reliability, security, and performance your business can depend on. AWS has the most operational experience at scale, with more than 3x the number of data centers compared to the next largest cloud provider. Since 2006, AWS has delivered cloud services to millions of customers around the world who trust our reliable and scalable infrastructure with their most important applications and most demanding workloads.Learn more about our infrastructure Australia and New Zealand Let us know so we can improve the quality of the content on our pages AWS 给您最大限度的选择及灵活性来满足您的特定需求，以便您为工作选择合适的工具。AWS 提供种类最广泛的计算实例、存储类、数据库和分析，所有这些都是在为提供最佳成本和性能而设计的。其中包括最全面的人工智能和数据服务集，包括您选择的用于构建生成式人工智能应用程序的领先 FM。借助 AWS 将应用程序迁移到云，可以更快、更轻松、更经济地将应用程序迁移到云或构建您能想象的几乎任何东西。了解有关我们的功能的更多信息 Skip to main content Learn how to create your AWS account and configure your development workspace. We'll guide you through the essential steps to get your environment ready, so you can start working with AWS resources and services. Let us know so we can improve the quality of the content on our pages Join AWS experts for free, live training designed to help you prep for certifications and learn cloud skills Let us know so we can improve the quality of the content on our pages. Skip to main content AWS has significantly more services, and more features within those services, than any other cloud provider-from infrastructure technologies like compute, storage, and databases-to emerging technologies, such as machine learning and artificial intelligence, data lakes and analytics, and Internet of Things. This makes it faster, easier, and more cost effective to move your existing applications to the cloud and build nearly anything you can imagine.AWS also has the deepest functionality within those services. For example, AWS offers the widest variety of databases that are purpose-built for different types of applications so you can choose the right tool for the job to get the best cost and performance. AWS has the largest and most dynamic community, with millions of active customers and tens of thousands of partners globally. Customers across virtually every industry and of every size, including startups, enterprises, and public sector organizations, are running every imaginable use case on AWS. The AWS Partner Network (APN) includes thousands of systems integrators who specialize in AWS services and tens of thousands of independent software vendors (ISVs) who adapt their technology to work on AWS. AWS is architected to be the most flexible and secure cloud computing environment available today. Our core infrastructure is built to satisfy the security requirements for the military, global banks, and other high-sensitivity organizations. This is backed by a deep set of cloud security tools, with over 300 security, compliance, and governance services and features, as well as support for 143 security standards and compliance certifications. With AWS, you can leverage the latest technologies to experiment and innovate more quickly. We are continually accelerating our pace of innovation to invent entirely new technologies you can use to transform your business. For example, in 2014, AWS pioneered the serverless computing space with the launch of AWS Lambda, which lets developers run their code without provisioning or managing servers. And AWS built Amazon SageMaker, a fully managed machine learning service that empowers everyday developers and scientists to use machine learning-without any previous experience. AWS has unmatched experience, maturity, reliability, security, and performance that you can depend upon for your most important applications. For over 17 years, AWS has been delivering cloud services to millions of customers around the world running a wide variety of use cases. AWS has the most operational experience, at greater scale, of any cloud provider. Australia and New Zealand View all customer stories Gartner has recognized AWS as a Magic Quadrant Leader for Strategic Cloud Platform Services for the 13th straight year. AWS placed highest in the Ability to Execute axis of measurement among the eight vendors named in the report. Skip to main content Australia and New Zealand Skip to main content Amazon Elastic Compute Cloud (Amazon EC2) offers the broadest and deepest compute platform, with over 750 instances and choice of the latest processor, storage, networking, operating system, and purchase model to help you best match the needs of your workload. We are the first major cloud provider that supports Intel, AMD, and Arm processors, the only cloud with on-demand EC2 Mac instances, and the only cloud with 400 Gbps Ethernet networking. We offer the best price performance for machine learning training, as well as the lowest cost per inference instances in the cloud. More SAP, high performance computing (HPC), ML, and Windows workloads run on AWS than any other cloud. Access reliable, scalable infrastructure on demand. Scale capacity within minutes with SLA commitment of 99.99% availability. Learn more Provide secure compute for your applications. Security is built into the foundation of Amazon EC2 with the AWS Nitro System. Learn more Optimize performance and cost with flexible options like AWS Graviton-based instances, Amazon EC2 Spot instances, and AWS Savings Plans. Learn more Migrate and build apps with ease using AWS Migration Tools, AWS Managed Services, or Amazon Lightsail. Learn how AWS can help. Learn more Let us know so we can improve the quality of the content on our pages

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