

Cloud Security Services In Cloud Computing

== IaaS (Infrastructure as a service) == a9cc84a9ea Rackspace Cloud announced Mosso LLC in March, 2006, as a wholly owned subsidiary billed as a utility computing offering. Mosso offered PaaS web hosting on LAMP and IIS infrastructure. As it predated mainstream adoption of the term cloud computing, it was "retooled" and relaunched on February 19, 2008, adopting the tagline "Mosso: The Hosting Cloud". The "Mosso" branding (including the mosso.com domain) was then dropped on June 17, 2009, in favour of "The Rackspace Cloud" branding (including the rackspacecloud.com domain name). a9cc84a9ea == History == a9cc84a9ea Analyses of large-scale cloud incidents indicate that many breaches result from misconfigurations and long-unremediated exposures rather than solely from zero-day vulnerabilities. a9cc84a9ea

IBM Cloud IBM Cloud is a cloud computing platform offered by the information technology company IBM that provides a suite of services including infrastructure as a service (IaaS), platform as a service (PaaS), serverless, Cloud storage, disaster recovery and backup, and managed cloud services. The IBM Cloud platform supports public cloud, private cloud, multi-cloud and hybrid cloud deployment models with an emphasis on enterprise security, governance, and regulated workloads a9cc84a9ea

The CSA was formed in December 2008 as a coalition by individuals who saw the need to provide objective enterprise user guidance on the adoption and use of cloud computing. Its initial work product, Security Guidance for Critical Areas of Focus in Cloud Computing, was put together in a Wiki-style by dozens of volunteers. a9cc84a9ea == Overview == a9cc84a9ea

Cloud computing architecture Cloud broker Cloud collaboration Cloud-computing comparison Cloud computing security Cloud gaming Cloud management Cloud-native computing Cloud research Cloud computing is defined by the International Organization for Standardization (ISO) as "a paradigm for enabling network access to a scalable and elastic pool of shareable physical or virtual resources with self-service provisioning and administration on demand". It is commonly referred to as "the cloud" a9cc84a9ea

Mobile cloud computing MCC provides business opportunities for mobile network operators as well as cloud providers. Mobile Cloud Computing (MCC) is the combination of cloud computing and mobile computing to bring rich computational resources to mobile users, network Mobile Cloud Computing (MCC) is the combination of cloud computing and mobile computing to bring rich computational resources to mobile users, network operators, as well as cloud computing providers. The ultimate goal of MCC is to enable execution of rich mobile applications on a plethora of mobile devices,

with a rich user experience. ". More comprehensively, MCC can be defined as "a rich mobile computing technology that leverages unified elastic resources of varied clouds and network technologies toward unrestricted functionality, storage, and mobility to serve a multitude of mobile devices anywhere, anytime through the channel of Ethernet or Internet regardless of heterogeneous environments and platforms based on the pay-as-you-use principle a9cc84a9ea

IBM Cloud represents a strategic approach to cloud computing that prioritizes enterprise-grade reliability, security, and customization. It is engineered for organizations with complex regulatory requirements, legacy system integration needs, and mission-critical workloads. a9cc84a9ea

HP Cloud It was marketed to enterprise organizations to combine public cloud services with internal IT resources to create hybrid clouds, or a mix of private and public cloud environments, from around 2011 to 2016. It was the combination of the previous HP Converged Cloud business unit HP Cloud was a set of cloud computing services available from Hewlett-Packard. HP Cloud was a set of cloud computing services available from Hewlett-Packard. It was the combination of the previous HP Converged Cloud business unit and HP Cloud Services, an OpenStack-based public cloud a9cc84a9ea

When an organization... a9cc84a9ea == Security issues associated with the cloud == a9cc84a9ea In 2011, the National Institute of Standards and Technology (NIST) identified five "essential characteristics" for cloud systems. Below are the exact definitions according to NIST: a9cc84a9ea == History == a9cc84a9ea In 2011, the "Rackspace Cloud" brand merged with Rackspace.com. In 2012, Rackspace rebranded... a9cc84a9ea

Cloud computing issues Privacy concerns remain a primary issue, as users often lose direct control over their data once it is stored on servers owned and managed by cloud providers. It is a rapidly evolving technology capable of delivering extensible services efficiently, supporting a wide range of applications from personal storage solutions to enterprise-level systems. Cloud providers offer tools, such as AWS Artifact (compliance documentation). This loss of control can create uncertainties regarding data privacy, unauthorized access, and compliance with regional regulations such as the General Data Protection Regulation (GDPR), the Health Insurance Portability and Accountability Act (HIPAA), and the California Consumer Privacy Act (CCPA). Cloud computing enables users to access scalable and on-demand computing resources via the internet, utilizing hardware and software virtualization. Service agreements and shared responsibility models define the boundaries of control and accountability between the cloud provider and the customer, but misunderstandings or mismanagement in these areas can still result in security breaches or accidental data loss. It Cloud computing enables users to access scalable and on-demand computing resources via the internet, utilizing hardware and software virtualization. Despite its advantages, cloud computing also faces several challenges a9cc84a9ea

Cloud computing security It is a sub-domain of computer security, network security and, more broadly Cloud computing security or cloud security refers to a broad set of

policies, technologies, applications, and controls used to protect data, applications, services, and the associated infrastructure of cloud computing. It is a sub-domain of computer security, network security and, more broadly, information security. applications, services, and the associated infrastructure of cloud computing

== History ==

Cloud-computing comparison Cloud Security Services Restriction on port 25 at AWS AWS Cloud Security Amazon bugs at Ubuntu SMTP at IBM Security for The following is a comparison of cloud-computing software and providers. | Compute Engine Documentation

Other companies (such as EMC Corporation with its "Decho" subsidiary) also use alternative branding for their cloud computing offerings. Cloud computing and storage provide users with the capability to store and process their data in third-party data centers. Organizations use the cloud in a variety of service models (e.g., SaaS, PaaS, IaaS) and deployment models (private, public, hybrid, and community).

Cloud Security Alliance within cloud computing, artificial intelligence and to provide education on the uses of cloud computing to help secure all other forms of computing. " The Cloud Security Alliance (CSA) is a not-for-profit organization with the mission to "promote the use of best practices for providing security assurance within cloud computing, artificial intelligence and to provide education on the uses of cloud computing to help secure all other forms of computing

Rackspace Cloud Offerings include Cloud Storage ("Cloud Files"), virtual private server ("Cloud Servers"), load balancers, databases, backup, and monitoring. Offerings The Rackspace Cloud is a set of cloud computing products and services billed on a utility computing basis from the US-based company Rackspace. The Rackspace Cloud is a set of cloud computing products and services billed on a utility computing basis from the US-based company Rackspace

The IBM Cloud platform combines infrastructure and platform services into a single environment accessible through the IBM Cloud console, CLI, APIs, and infrastructure-as-code tools. IBM Cloud is used to deploy and manage applications, data, and services across public cloud regions, on-premises environments, and other cloud platforms. In 1983, CompuServe offered its consumer users a small amount of disk space that could be used to store any... HP Public Cloud was announced on March 14, 2011, and launched as a public beta on May 10, 2012. HP Fellow and MySQL developer Brian Aker announced the Relational Database Service on stage at the 2012 MySQL User's Conference. The HP Public Cloud Beta that went live in May 2012 included OpenStack technology-based storage and content delivery network (CDN) components. HP Cloud Object Storage and HP Cloud CDN were moved into general availability on August 1, 2012. HP Cloud DNS as a Service was moved into general availability... The CSA has over 80,000 individual members worldwide. The CSA gained significant reputability in 2011 when the American

Presidential Administration selected the CSA Summit as the venue for announcing the federal government's cloud computing strategy. a9cc84a9ea == Characteristics == a9cc84a9ea

Cloud storage These cloud storage providers are responsible for keeping the data available and accessible, and the physical environment secured, protected, and running. Cloud storage services may be accessed through a colocated cloud computing service, a web service application programming interface Cloud storage is a model of computer data storage in which data, said to be on "the cloud", is stored remotely in logical pools and is accessible to users over a network, typically the Internet. The physical storage spans multiple servers (sometimes in multiple locations), and the physical environment is typically owned and managed by a cloud computing provider. organization, or application data. People and organizations buy or lease storage capacity from the providers to store user, organization, or application data a9cc84a9ea

Since then, customer contracts were executed with Rackspace US, Inc. d/b/a The Rackspace Cloud rather than with the Mosso LLC subsidiary. a9cc84a9ea Cloud storage services may be accessed through a colocated cloud computing service, a web service application programming interface (API) or by applications that use the API, such as cloud desktop storage, a cloud storage gateway or Web-based content management systems. a9cc84a9ea == Architecture == a9cc84a9ea HP Converged Cloud was announced in April 2012. HP Converged Cloud is managed under a Hewlett-Packard business unit established in 2013 named The Converged Cloud unit, headed by Saar Gillai as Senior Vice President and general manager of Converged Cloud. a9cc84a9ea Cloud computing is believed to have been invented by J. C. R. Licklider in the 1960s with his work on ARPANET to connect people and data from anywhere at any time. a9cc84a9ea == History == a9cc84a9ea Security concerns associated with cloud computing are typically divided into issues faced by cloud providers and those faced by their customers. The responsibility is shared and is often described in a vendor's "shared responsibility model". The provider must secure its infrastructure, while customers must secure their applications, identities, and configuration settings. a9cc84a9ea In 2014, the Chairman of the Board of the CSA was Dave Cullinane, VP of Global Security and Privacy for Catalina Marketing, St. Petersburg, Florida, and former CISO for eBay. Cullinane has said, "If you have an application exposed to the Internet that will allow people to make money, it will be probed." a9cc84a9ea

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