

VMware Unveils New Developer, Data, and Security Services for Sovereign Clouds

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New capabilities, global expansion, and ecosystem solutions help VMware Sovereign Cloud partners empower customers with more agility, better resiliency and faster innovation

BARCELONA, Spain--(BUSINESS WIRE)-- **VMware Explore 2023** — VMware, Inc. (NYSE: VMW) today announced new innovations and technology partnerships that will help accelerate sovereign digital innovation and enhance security for customers around the world. Today, more than 50 VMware Sovereign Cloud providers in 33 countries are part of a powerful, interconnected, and diverse ecosystem that supports customers' sovereign cloud requirements. Together, VMware and VMware Sovereign Cloud partners are helping organizations unlock the innovative power of their data while remaining compliant with data privacy regulations.

VMware's Sovereign Cloud initiative is a global ecosystem of CSPs committed to helping customers comply with rapidly growing and changing data privacy laws. VMware Sovereign Cloud providers must self-attest to a framework of guiding principles, best practices, and technical architecture requirements to deliver cloud services that adhere to the data sovereignty requirements of the specific jurisdiction in which that cloud operates, as mandated by the relevant government or commercial body.

"VMware Sovereign Cloud empowers nations with unparalleled data security and control, revolutionizing the way governments harness the potential of the cloud," said Rajeev Bhardwaj, vice president, product management, cloud provider platform, VMware. "Through our innovative sovereign cloud portfolio, global ecosystem of validated VMware Sovereign Cloud partners, and unmatched ecosystem of third-party solutions, we are enabling governments and highly regulated industries to embrace the limitless possibilities of the cloud while safeguarding their digital sovereignty."

Better Securing Sovereign Cloud Workloads

In sovereign cloud, customers are seeking the utmost in control over and access to data. Owning encryption keys in the cloud allows customers to maintain the level of control they demand. VMware Sovereign Clouds now support Bring Your Own Keys (BYOK) and Bring Your Own Key Management Systems (BYO-KMS). By letting customers create and hold their own "keys" to their data, customers can be more confident that no one else, not even the CSP, can view or access their information without permission.

BYOK provides customers with greater flexibility and portability for data encryption on their terms, enables adherence to specific key management policies associated with their business and regulation, and helps address legal requirements for data within any given jurisdiction. With key ownership comes the responsibility of robust key management to avoid compromising the encrypted data or accidental loss of keys rendering the data useless.

Thales is the newest VMware ecosystem partner for KMS services. BYO-KMS with Thales CipherTrust Data Security Platform and VMware Cloud Director helps ensure data in a sovereign cloud environment remains more secure, accessible only by those authorized, and compliant with national data sovereignty standards. Thales CipherTrust Data Security Platform delivers a unified data security solution that helps ensure robust encryption and key management on VMware Sovereign Clouds. The platform enables organizations to maintain absolute control over their data keys, facilitating compliance with stringent regulations and integrated to a VMware Cloud Director instance for simple access to the customer's own key management services.

Delivering New Sovereign Data Services

VMware Cloud Director extension for VMware Data Solutions enables sovereign cloud customers to deliver a portfolio of on-demand caching, messaging, and database software at a massive scale to developers. CSPs can offer tenants an integrated solution, which allows them to operate and manage data-as-a-service across private clouds and sovereign clouds. VMware Cloud Director also enables sovereign cloud providers to leverage ecosystem partners to deliver integrated data services. VMware is now adding:

- NoSQL as a Service featuring MongoDB : NoSQL databases are favored in highly regulated industries due to their scalability, ability to handle diverse data types, and adaptability to changing data structures without extensive redesign. NoSQL databases support rapid transaction speeds, continuous data availability, and robust security measures, including encryption and role-based access. Their ability to process vast volumes of training data sets make them ideal for AI/ML applications.
- Kafka as a Service: Kafka is ideally suited to support real-time analytics applications such as real-time fraud detection in finance, patient monitoring in healthcare, and other regulated industries where data integrity,

compliance, and timely decision-making are crucial.

- Greenplum as a Service: Greenplum is ideal for large-scale and comprehensive data analytics, making this solution especially pertinent in sovereign clouds where data residency and compliance with local regulations is the priority. With Greenplum, customers in regulated industries can better facilitate data-driven decision-making while enabling adherence to jurisdictional boundaries and local laws such as cyber threat analysis.
- Object Storage as a Service with NetApp StorageGRID: NetApp StorageGRID enables cloud services providers to offer a wide range of high-value storage services that are resident and compliant within the sovereign domain. This fully S3-compliant storage solution supports a wide range of sovereign cloud use cases with data durability and high availability, more secure multitenancy, horizontal scalability and data protection. The solution's universal compatibility in its native support for industry-standard APIs, such as Amazon S3 API, helps ensure smooth interoperability across diverse cloud environments. Unique innovations such as automated lifecycle management help ensure more cost-effective safeguarding, storage, and long-term preservation of customers' unstructured data.

Enabling Developer-Ready Sovereign Clouds

VMware's approach to delivering developer-ready sovereign clouds emphasizes a unified hybrid cloud infrastructure that provides consistent experiences across various cloud environments while enabling compliance, data residency, and enhanced security. Integrating developer-centric tools such as VMware Tanzu enables rapid application deployment, while VMware NSX offers enhanced precision controls around data flow and security which are vital for data sovereignty. VMware is expanding support for developer-ready sovereign clouds with the following:

- VMware Tanzu Mission Control Self-Managed: Now in general availability, Tanzu Mission Control Self-Managed meets the demand for advanced, compliant management tools for cloud-native applications in sovereign clouds. For customers in regulated industries with stringent regional jurisdictional requirements, Cloud Services Providers can now deliver multi-tenant Kubernetes Infrastructure as a Service in their data centers, centrally manage Kubernetes, and seamlessly apply security policies across tenant container workloads.
- Content Hub in VMware Cloud Director 10.5: VMware Content Hub for Cloud Director enables partners and their sovereign tenants to rapidly deploy vetted and pre-configured applications that are compliant and more secure. Sovereign cloud providers can deliver applications that meet jurisdictional and regulatory requirements without sacrificing agility or control while enabling consistent application experiences. Integration with VMware Cloud Director platform also helps simplify access to cloud resources.
- Integrated support for NVIDIA GPUs and NVIDIA NGC Marketplace: VMware has further improved the user experience and reduced administrative overhead for deploying GPU apps with NVIDIA GPU support in VMware Cloud Director. This helps unlock the ability for sovereign cloud customers to support artificial

intelligence, deep learning, graphics-intensive visual rendering applications, and computation-heavy workloads. Customers can also now access and deploy NVIDIA applications from the NVIDIA Global Connect (NGC) Marketplace directly to a Tanzu Kubernetes Grid infrastructure with GPU operators configured automatically. Partners deploying this repository for customers can help accelerate the integration of AI models and tools for developers, helping to simplify the software development cycle for next-generation AI products.

VMware Sovereign Cloud Providers Help Customers Drive Innovation with Better Security

The Government of Monaco partnered with Monaco Cloud, a VMware Sovereign Cloud provider, to deliver the with digital infrastructure and services required to meet the highest international security and compliance standards.

Jean Charles, CIO for the Government of Monaco, said, “Monaco stands as one of the countries with the highest level of security in the world. The Principality of Monaco aims to establish itself as a robust digital hub, just as it has been a strong financial center, and data confidentiality and security is paramount to this. VMware’s sovereign cloud strategy and services align perfectly with Monaco’s commitment to a more secure, digitally advanced government and nation.” **[Read the Monaco full story here](#)** .

4ways is a leading UK-based tele-diagnostics provider serving over 90 NHS Trusts, community diagnostic hubs, and private healthcare organizations with radiology reporting. **Alex Sweeting, Head of IT at 4ways, said,** “Our NHS clients demand service assurance and zero downtime. The NHS needs us to deliver on our strict SLAs for diagnostic reporting. 4ways partnered with Redcentric Solutions Ltd to migrate from an on-premises infrastructure into Redcentric’s Sovereign Cloud in two UK data centres. We are now backed by a significant Sovereign Cloud provider with a wealth of experience and technical experts that we trust and can rely on, which extends the capabilities of our own internal team. The adoption of VMware Sovereign Cloud platform enables us to elevate our resilience and business continuity posture, adopt advanced cloud capabilities, and provide the quality of service our clients expect.”

heuselNET teamed with VMware Sovereign Cloud provider plusserver to drive the digitalization of the last mile more securely for their customers. **Andreas Heusel, CEO, heuselNET business solutions, said,** “heuselNET customers need to know that their data and other business critical systems will remain compliant with all requisite data laws in Germany. With plusserver, we have found a strong and reliable cloud service provider to deliver a VMware Sovereign Cloud. We have migrated more than 45 customers to our sovereign heuselNET cloud, and been able to optimize management, reliability, failover, and backups, while increasing overall performance for our customers’ environments. With plusserver, we have a trusted partner that understands our sovereign requirements.”

Tribia has been a major supplier of collaboration solutions for construction projects for more than two decades.

Geir Johnson, CIO at Tribia, said, “As we work to digitize the construction industry we need a modern and more secure cloud environment. Our initial public cloud environment helped us deliver value to our customers by enabling more frequent releases, greater self-service options without delay, and quick scaling to new regions/countries using Infrastructure as Code. But the environment fell short in delivering the data sovereignty our customers were demanding. Working with Orange, we created a hybrid environment that connected a VMware Sovereign Cloud with our existing public cloud, enabling customers to consume public cloud and sovereign cloud services side by side while addressing data jurisdiction and compliance requirements.”

TriOpSys specializes in consulting, development and system management of Mission Critical IT systems, for critical and highly sensitive environments. TriOpSys works extensively with the Dutch government. Rob Timman, co-founder/owner and CEO of TriOpSys, said, “The Fundaments Sovereign Cloud built on VMware is mission critical, and we can provide customers confidence in where the data is, who will have access to it, who manages it, and who owns the cloud platform because we comply with Dutch legislation, a requirement of many of our customers. VMware has conducted an audit with the additional requirements and this gives us extra confidence.”

Additional Resources

- For the latest news and more on how VMware is delivering a faster and smarter path to cloud for digital businesses, visit the **VMware Explore 2023 Barcelona media kit**.
- Follow VMware on **LinkedIn**, **Twitter**, **YouTube**, and **Facebook**

About VMware Explore

VMware Explore aims to be the industry’s go-to-event for all things multi-cloud. VMware Explore 2023 will feature more industry-led solution and technical sessions than ever before, a thriving marketplace of multi-cloud ISVs and several networking events across the VMware community. With an unparalleled view into multi-cloud services, from public to private to edge, for all applications, VMware Explore 2023 attendees will gain the knowledge and tools they need to solve challenges by simplifying multi-cloud complexity without compromise. To learn more about VMware Explore, please visit: <https://www.vmware.com/explore.html>

About VMware

VMware is a leading provider of multi-cloud services for all apps, enabling digital innovation with enterprise control. As a trusted foundation to accelerate innovation, VMware software gives businesses the flexibility and choice they need to build the future. Headquartered in Palo Alto, California, VMware is committed to building a better future through the company’s 2030 Agenda. For more information, please visit www.vmware.com/company.

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