



## PRODUCT BRIEF

# SafeNet Data Protection On Demand

**It's Not Just Data Protection. It's Data Protection On Demand**

SafeNet Data Protection On Demand is a cloud-based platform that provides a wide range of cloud HSM, encryption and key management services through a simple online marketplace. With SafeNet Data Protection On Demand, security is made simpler, more cost effective and easier to manage because there is no hardware to buy, deploy and maintain. Just click and deploy the protection you need, provision services, add security policies and get usage reporting in minutes.



### Get data security on your terms – in minutes

With SafeNet Data Protection On Demand, you have access to a wide range of security services by simply clicking and deploying what you need to protect dozens of applications and use cases. It's that simple.



### Zero upfront capital investment and pay-as-you go pricing

There is no hardware or software to buy, support and update, so you don't have any capital expenditures. In addition, with unique pay-as-you-grow pricing, you have the flexibility to purchase services to suit your changing business needs.



### Protect data anywhere and meet compliance mandates

With SafeNet Data Protection On Demand, you can secure sensitive data in any environment – cloud, virtual or on-premises - to manage your security policies and meet regulatory and compliance requirements. Protect the data you create, store and analyze. Crypto-enable your applications: Blockchain, Cloud, and Internet of Things.



### Centralize control of encryption keys across all clouds

Regardless of whether you use Salesforce.com, Amazon Web Services, Google, IBM or Microsoft Azure, or a combination of cloud and on-premises solutions, you are always in control of your encryption keys.



### Easily integrate with your cloud and IT services

SafeNet Data Protection On Demand already comes with preconfigured APIs that make it easy for you to integrate encryption, key management and HSM On Demand services to protect your applications and data.

## Get started now!

**With an ever-expanding menu of security applications at your fingertips, choose the security service you require from a range of options, and integrations, including:**

- > **HSM On Demand** - Set up and access an HSM On Demand service as a Root of Trust for your organization's cryptographic operations.
- > **HSM On Demand for CyberArk** - Secure CyberArk Digital Vault's top-level encryption key within an HSM.
- > **HSM On Demand for Digital Signing** - Enable a secure Root of Trust for applications and services providing digital signatures for documents and code.
- > **HSM On Demand for Hyperledger** - Bringing trust to blockchain transactions to perform the required crypto operations across the distributed system.
- > **HSM On Demand for Java Code Signer** - Perform cryptographic sign operations on Java artifacts using an encryption key generated on an HSM.
- > **HSM On Demand for Microsoft Active Directory Certificate Services** - Secure the keys of your Microsoft Root CA in an HSM.
- > **HSM On Demand for Microsoft Authenticode** - Generate and secure your Microsoft Authenticode certificates on an HSM.
- > **HSM On Demand for Microsoft SQL Server** - Off-load Microsoft SQL Server cryptographic operations to an HSM.
- > **HSM On Demand for Oracle TDE** - Ensure that data encryption keys used by the native Oracle TDE encryption capability are encrypted with a master key that resides within the HSM.
- > **HSM On Demand for PKI Private Key Protection** - Secure private keys belonging to Certificate Authorities responsible for establishing a PKI trust hierarchy.
- > **Key Broker On Demand for Salesforce** - Create key material (tenant secrets) for Salesforce and manage your keys and security policies in concert with Salesforce Shield across their lifecycle.



**TRY IT NOW!**

## Infinite scalability and elasticity

Scale encryption, HSM and key management services up and down automatically as your requirements change. You can easily grow HSM and key management capacity and crypto resources without limitations.

## Focus on your business, not managing security hardware and software

Use SafeNet Data Protection On Demand and you don't need to buy, provision, configure, and maintain hardware and software for your HSM, key management and encryption needs. All the physical hardware, software, and infrastructure is managed by Gemalto, including an SLA, so you can concentrate on your business.

## Data Protection On Demand for Managed Service Providers

Our delivery model allows Gemalto partners to provide unrivalled data protection as a service to their customers, using their own branding and bundled with their other existing cloud offerings. With SafeNet Data Protection On Demand, Service Providers can quickly and easily offer their customers key management and encryption services that have been proven in the field for decades.

- > Zero upfront investment
- > Cloud-based pricing
- > On-demand delivery
- > Multi-tenant capability with complete segmentation/separation of each customer's keys
- > Centralized management

## The Gemalto Advantage

SafeNet Data Protection On Demand is built upon Gemalto's SafeNet Identity and Data Protection solutions. Our proven solutions are trusted by the largest and most respected brands around the world to protect their data, identities, and intellectual property.

### Deploy and manage encryption, key management and hardware security modules services – on-demand and from the cloud

- > Zero upfront investment
- > Cloud agnostic
- > Up and running in less than 5 minutes
- > OpEx only usage-based billing
- > SLA On Demand - 99.95% availability
- > Automatic failover included
- > Key backups are automatic
- > Key and crypto operation metrics and reporting
- > Elastic, automatic scaling
- > Low TCO
- > Unrivalled peace of mind

## TECHNICAL SPECIFICATIONS

### API Support

- > PKCS#11, Java and OpenSSL on Linux
- > PKCS#11, Java and CSP/KSP on Windows

### Cryptography

- > Full Suite B support
- > Asymmetric: RSA, DSA, Diffie-Hellman, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES) with named, user-defined and Brainpool curves, KCDSA
- > Symmetric: AES, AES-GCM, Triple DES, DES, ARIA, SEED, RC2, RC4, RC5, CAST
- > Hash/Message Digest/HMAC: SHA-1, SHA-2, SM3
- > Key Derivation: SP800-108 Counter Mode
- > Key Wrapping: SP800-38F
- > Random Number Generation: FIPS 140-2 approved DRBG (SP 800-90 CTR mode), complying with BSI DRG.4

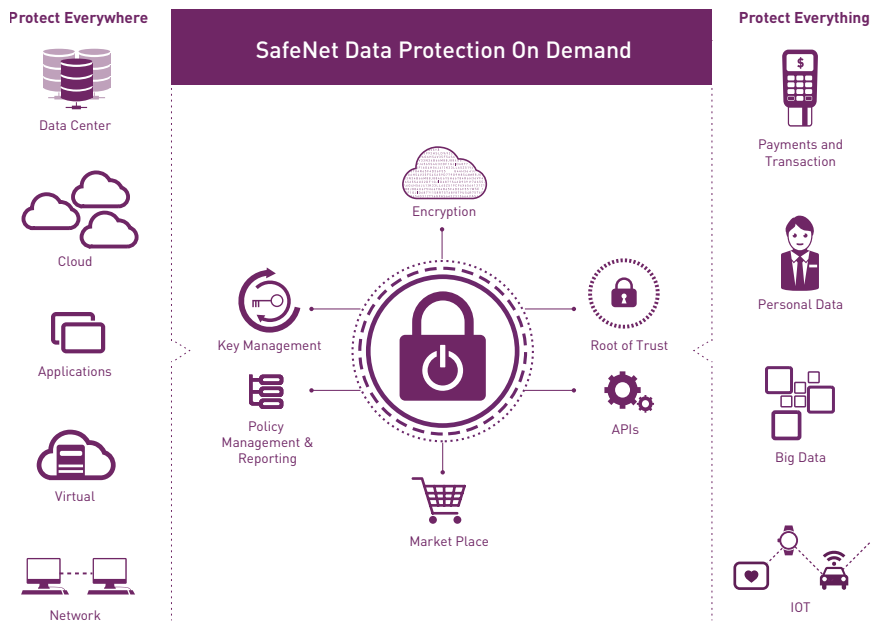
### Service Performance

- > Standard Service; up to 100 operations/second
- > Store up to 50 pairs asymmetric keys; and/or 100 symmetric keys per service
- > Up to 5 client applications per service

### Security Certifications

- > FIPS 140-2 Level 3 (In process)
- > ISO, 9001, 14001, 27001, 27015 (Bank), 27018 (GDPR)

## Data Protection...Now Available On Demand



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