VirtuCrypt Next-Generation Financial Cloud HSM Services

VirtuCrypt's next-generation financial cloud HSM services give organizations a secure, compliant way to quickly deploy enterprise-grade, highly available, PCI HSM and FIPS 140-2 Level 3 validated cloud hardware security modules (HSM). Supporting functionality such as transaction acquiring, card and mobile issuance, and Point-to-Point Encryption, VirtuCrypt is the industry's first and only fully compliant cloud HSM service.

VirtuCrypt Financial Cloud HSM - Features

▶ Powered by Futurex's FIPS 140-2 Level 3 and PCI HSM validated hardware security modules

▶ Rapid time to market for new projects or expansions of existing payment HSM infrastructure

▶ Compliant with all major financial industry requirements, including PCI DSS, PCI PIN, PCI P2PE, and TR-39

▶ Full redundancy and high availability available, with SLA-backed uptime across multiple data centers

▶ Accessible from multiple public cloud regions and from applications managed on-premises or in other clouds

Cloud HSM Financial Acquiring

Cloud HSM Financial Issuing

Cloud HSM Financial P2PE

The VirtuCrypt Intelligence Portal (VIP)

The VirtuCrypt Intelligence Portal provides an intuitive way to provision your cloud HSM, as well as securely manage and monitor your entire financial cloud HSM environment, audit logs, and track account activity from a single location.

VirtuCrypt Financial Cloud HSMs - Architectural Overview

Organizations can connect to VirtuCrypt's financial cloud HSM service in a number of different ways. The most important initial decision for organizations is to determine where they wish to host their payment applications and HSM infrastructure. VirtuCrypt supports a range of different methods outlined in the diagram below, and has Solutions Architects available to advise organizations on the architecture that best fits their needs and goals.
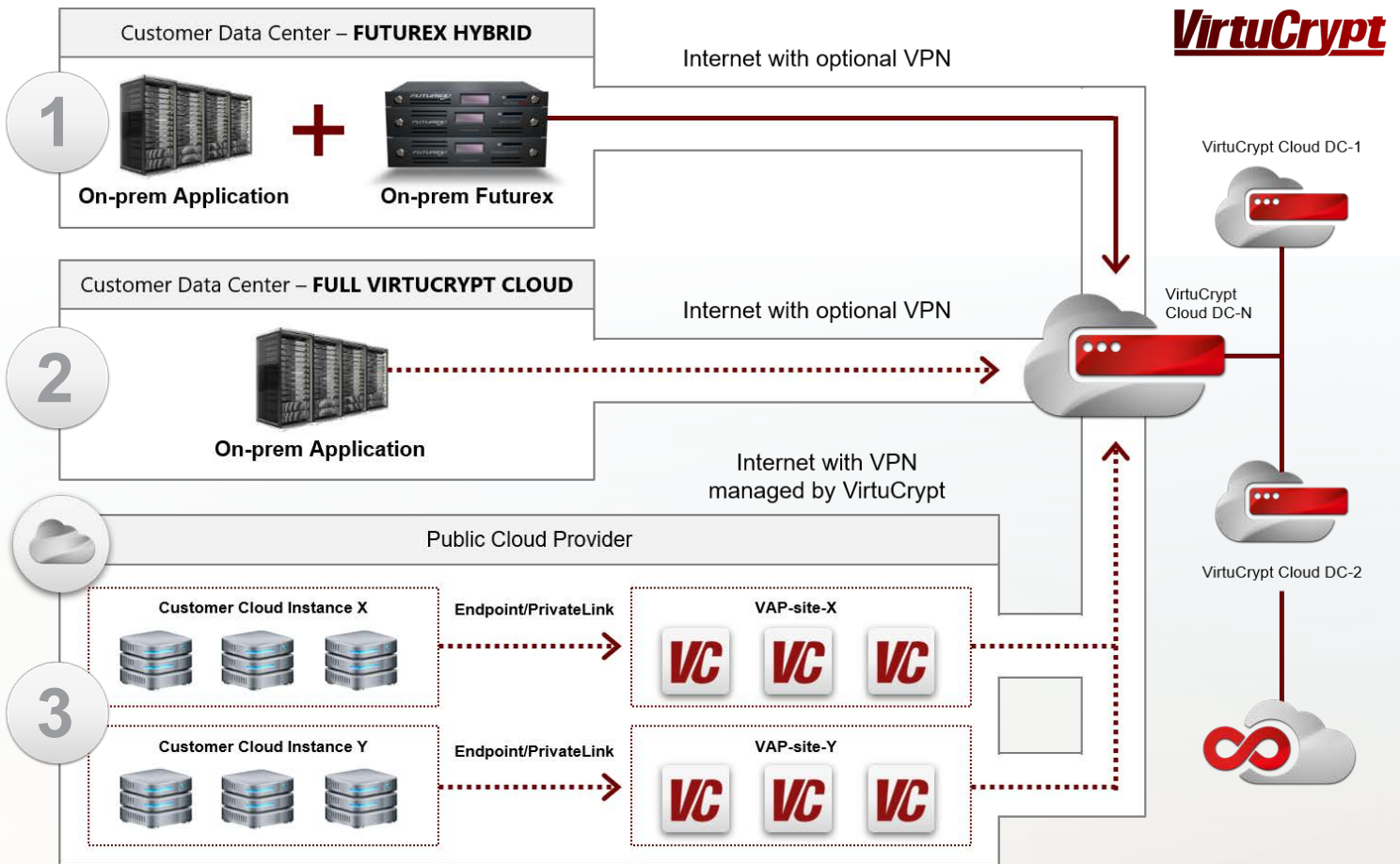
1 Hybrid deployment, with on-premises payment application and Futurex HSMs as well as VirtuCrypt financial cloud HSMs

2 On-premises payment application and VirtuCrypt financial cloud HSMs

3 Fully-hosted cloud option, with payment applications hosted in multiple cloud regions, connecting through VirtuCrypt Access Points (VAP) to VirtuCrypt financial cloud HSMs. Enables full redundancy, high availability, and expansion over time.