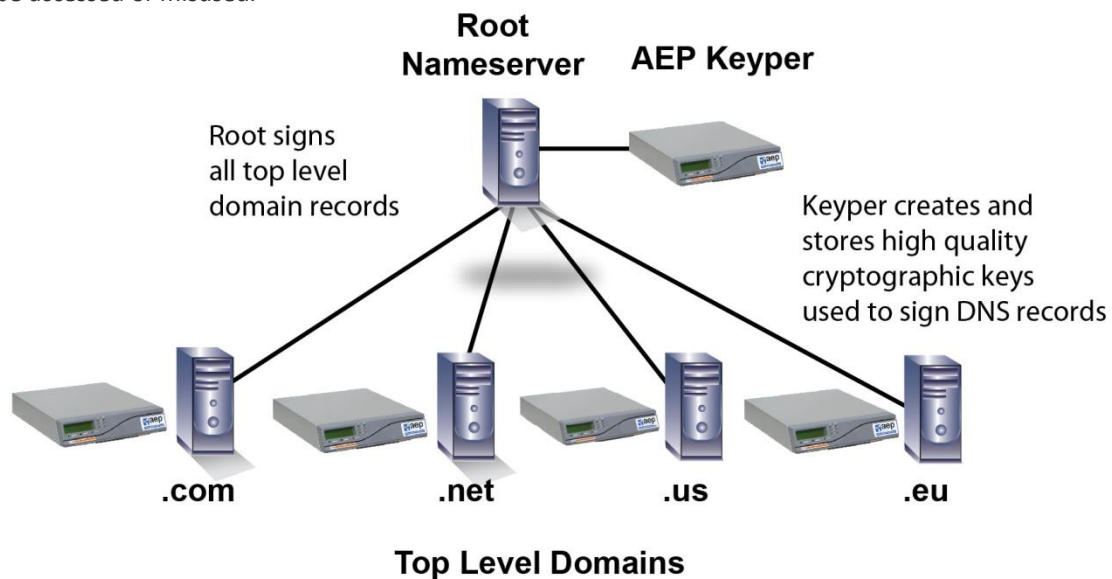


AEP Series K and DNSSEC

Raising Your DNSSEC Deployment to a High Level of Assurance

DNSSEC has become widely recognized, not only as the solution for preventing DNS spoofing, but also as a way to provide additional security-in-depth for the Internet. Without DNSSEC, criminals can use DNS to pose as trustworthy online entities like government agencies by using DNS cache poisoning. DNSSEC uses PKI to digitally sign DNS messages. These digital signatures ensure the validity of responses to DNS queries preventing fraudulent DNS responses that could be used for attacks such as phishing. Generating, storing and managing cryptographic keys to a high level of assurance requires an HSM - with AEP Keyper, your digital keys will be of high quality (generated using a highly random method) and safely stored where they cannot be accessed or misused.



Series K Key Capabilities

Easy to Deploy, Manage and Maintain: Compact and simple to deploy. Fully scalable -just add extra units. Supports most common DNS servers (BIND, NSD) and all major operating systems.

Comprehensive Solution: Smart card reader, PIN entry and cryptographic processing within a single device.

Load Balancing: Software available to load balance multiple modules with one or multiple hosts.

Fault Tolerance: Fully fault tolerant while all Keyperers are live. If one goes offline, the remaining units take over.

Hot Swappable: Easy replacement without disrupting the operation of hosts or other units.

Series K Security Features

Tamper Reactive Key Storage: Keys automatically and positively erased if Keyper is attacked (physical, power, temperature). Only FIPS 140-2 level 4 HSM available.

High Quality Key Generation: Truly random number key generation based on enhanced grade hardware seed generator (high entropy).

Hacker and Virus Proof: No PC-based vulnerabilities (no general purpose OS). Signed downloads. Separation of code and data.

Latest Cryptographic Functions: Field upgradeable with the latest cryptographic functions.

Accreditation



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