



ABOUT CERTES

Certes delivers security solutions to enterprises and governments around the world. Our patented Data protection and Risk Mitigation (DPRM) solutions are deployed to protect enterprise data traffic in nearly 100 countries.

We understand the difference between our unique DPRM solution versus standard network security solutions and so do our customers. With the Certes Layer 4 data payload protection solution, sensitive data is protected independent of the applications and network. For our customers, this is one of the foremost reasons why they choose Certes and sets us apart from other network security offerings. We understand the need for critical efficiency, time savings, and cost effectiveness for our customers, which is why we developed a Data Protection and Risk Mitigation Solution.

For more information visit:

certes.ai

Certes CryptoFlow[®] Net Creator

Centralized Control Over Crypto-segmentation Policies and separation of duties using customer owned Keys | Hitless Real-time Traffic Protection and Data security unified reporting for real-time insights | Multi-Layer protection for Maximum Flexibility Multiple Deployment Options | FIPS/Common Criteria certified versions available.

PRODUCT OVERVIEW

CryptoFlow[®] Net Creator (CFNC) is a centralized key management system that organizes and streamlines operations while providing you with full control of your security posture. With a user-friendly GUI and drag-and-drop tool, you can define and deploy policies with ease from one central point of control.

Automated and Unattended

CFNC centralizes and automates control of keys and policies at an enterprise scale. It enables generation of keys to protect the entire network infrastructure, including the ability to define separate policies for compliance regulations. And, with unattended key rotations you can schedule key rotations at intervals that you choose. Once scheduled, key rotations are automatic.

Simple, Scalable and Uncomplicated

CFNC enables automatic traffic protection policy generation on any standards-based network, including LAN, WAN, WiFi, Internet, Satellite, SDN/NFV and others. CFNC installs seamlessly into any Legacy network, 3rd party network, a remote site, data center, virtualized data center, Cloud or other network location. CFNC protection policies function in real-time on application traffic over the network enabling you to be proactive to events to better manage incidents.

With ultimate flexibility to support any network topology, CFNC is used to protect traffic at any networking layer in a packet, providing protection for Layer 2, Layer 3 and Layer 4 networks.

Certifications

Certes CFNC v6.1 software will be both FIPS and Common Criteria certified when running with the certified hardware. However, for Common Criteria support for both ESXi and KVM is also certified software.

CFNC Management Software – CFNC-SW

PERFORMANCE

- Over 10000 Policies supported*

* Dependent on objects that are created

MANAGEMENT ENCRYPTION ALGORITHMS

- AES-256-GCM
- AES-256-CBC

MESSAGE AUTHENTICATION & INTEGRITY ALGORITHMS

- RSA 2048, 4096 bit
- EC (P-256)

HYPERVISORS

- KVM
- VMware ESXi 5.5 and higher
- Nutanix AHV
- Red Hat OpenShift Virtualization

CLOUD PROVIDERS

- Amazon Web Services
- Microsoft Azure

DEVICE MANAGEMENT

- CryptoFlow Net Creator
- Command Line Interface
- Out-of-band management
- SNMPv2c and SNMPv3 managed object support
- Alarm condition detection and reporting (traps and SNMP alarm table)
- Syslog support
- Audit Log
- Netflow/JFlow/IPFIX

COMMUNICATIONS SUPPORT

- HTTPS
- TLS
- X509
- SSH2
- ANSI X9.31-1998
- JDBC
- IPv4
- IPv6
- Secure NTP

INSTALLATION SOFTWARE

- OVA for VMware
- QCOW for KVM
- KVM for Nutanix
- AMI for AWS
- VHD for MS Azure

** If a user needs a FIPS or CC Certified version of this product, they must utilize version 6.1 software. **

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