TrustWay VPN

Cryptographic products

Trusted network by Bull – Atos technologies

TrustWay VPN is a family of IPSec encryption devices designed entirely by Bull to meet the most demanding security and performance requirements.

The TrustWay VPN solution uses IPSec, a protocol that provides secure data transport over an IP network with guaranteed confidentiality and integrity for all data exchanged.

TrustWay VPN solutions are powerful and robust, and tailored to the specific needs of all types of organizations.

A range of performance levels to suit every demand

With its optimum processing capacity, throughputs typically handled by modern networks operating at 1 Gbps can be securely handled. What's more, an unlimited number of encryption devices can be freely set up in parallel to meet requirements ranging up to 10 Gbits.

The exceptional characteristics of all TrustWay encryption devices make it possible to apply encryption without any significant impact on response times and bandwidth. IPSec tunnels are established instantaneously and IP traffic priority management (data, voice, video,...) is properly handled.

High Security level

A hundred per cent developed and produced in Europe, this offering is also Common Criteria EAL2+ certified, and qualified by the French information system security agency, ANSSI. TrustWay VPN offers you effective protection against the risks associated with industrial espionage and intrusion to IT infrastructures. The target of ANSSI approved security covers both hardware and embedded sofware, making TrustWay VPN the most secure global solution available today. For total security, the TrustWay Domain Manager administration station uses a hardware cryptographic resource, itself Common Criteria EAL4+ certified.

Fast and simple: a cost-effective solution

One of the key advantages of the TrustWay VPN approach is its 'Plug & Play' design and the ease with which it can be implemented, both in terms of installation and day-to-day operation. Implementing TrustWay VPN is simplicity itself.

All that is required is to connect the preconfigured TrustWay VPN device to the remote administration station. The appliance retrieves the data for the configuration via a secure protocol and is then ready for action. TrustWay VPN features a toolset geared to automating all customization, implementation and configuration processes Installation in situ requires no prior knowledge of security, nor any special skills.

Combining these functionalities with the centralized administration provided by the administration station, VPN deployments are very straightforward. No training is required for managers at regional sites, since everything can be administered from a central point, giving ou total peace of mind.

This ensures cost reductions both in the implementation and running of TrustWay VPN.

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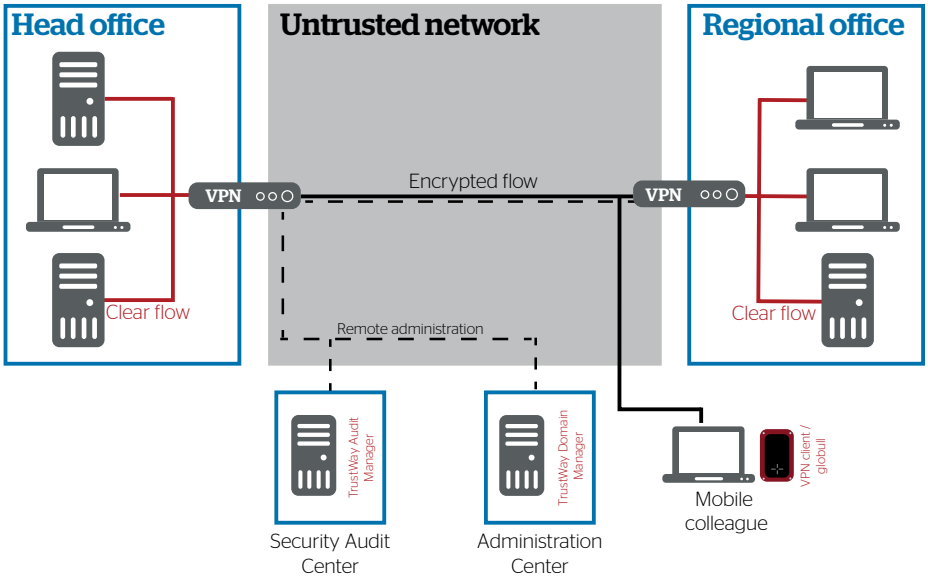
TrustWay VPN at a glance

Powerful administration for your network security

Once TrustWay VPN has been installed, you no longer have to be there on-site to run the system. The task of administration can be directed centrally from a single, dedicated security workstation. Rules governing security policies are customized with the help of an ultra-flexible graphical interface.

Maximum scalability and longevity

Using the TrustWay VPN range of encryption devices ensures that your investment is safe in the longer term, even if the volume of data exchanged increases, protocols change or cryptographic algorithms evolve. TrustWay ensures the scalability of your investment, while guaranteeing the best possible level of security thanks to its built-in capacity of secure software updates.



Drawing on the support of major networks

The TrustWay VPN solution can integrate easily with third-party SNMP network supervision systems. A set of implementation, administration and supervision tools allows you to manage a vast network of up to 20,000 VPN appliances, while keeping individual operations totally separate from one another.

Finally, High-Availability (HA) options ensure your management system will run around the clock, year in and year out.

Keeping control of outsourced system security

Where all or just part of your security management is outsourced to a third-party operator, it is vital to have the option of carrying out a security audit at any time, to check that your security policy is being correctly applied. The TrustWay Audit Manager (TAM) station is an exclusive TrustWay innovation, ensuring you are in control at all times. Even if you have delegated the operational management of your network, you will still be able to verify at any instant in time the overall administration of your security.

Protocols

- IP (TCP, UDP, ICMP, ...)
- IPsec

Algorithms

- Encryption: AES 256bit
- Digital Signing: HMAC SHA-1

Interfaces

- 2 x10/100/1000 Base T Ethernet ports
- Embedded Smart card reader and keyboard
- LCD screen 2 x 16 digits
- Reset button on front panel
- VRRP : redundancy
- VLAN

Certifications

- Common Criteria EAL2+
- Common Criteria EAL3+ (in progress)
- ANSSI Standard qualification

Administration

- TDM: infrastructure deployment and configuration
- TAM: Audit station for outsourced infrastructure

Performances

- CRX: 5Mbits
- CRX2: 16Mbits
- CRX3: 30Mbits
- TVPN3-100: 100Mbits
- TVPN3-300: 300Mbits
- TVPN3-600: 960Mbits

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