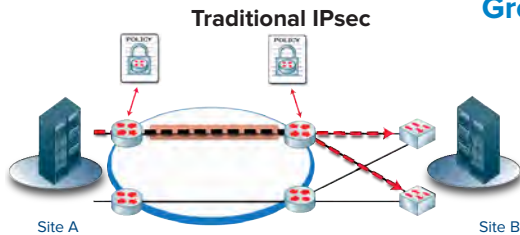


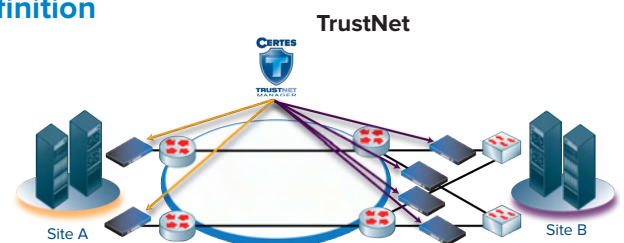
The TrustNet Difference

TrustNet is an innovative security policy and encryption key management solution providing scalable network-wide encryption. By providing global control of the generation of policies and dynamic distribution of keys, TrustNet enables organizations to encrypt data transmissions over any type of network without compromising application or network performance. TrustNet introduces three areas of improvement over traditional IPsec for network-wide encryption deployments: group policy definition, dynamic traffic flow and encryption without tunnels.

Group Policy Definition

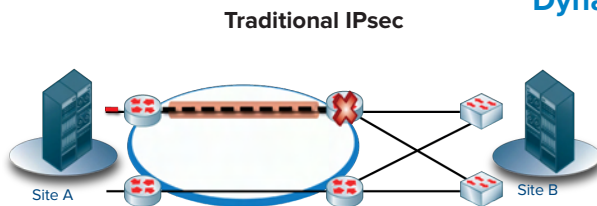


- Traditional IPsec** policies are strictly device oriented
- This requires encrypted traffic be routed from a specific device to another specific device
 - The result is static tunnels across the network

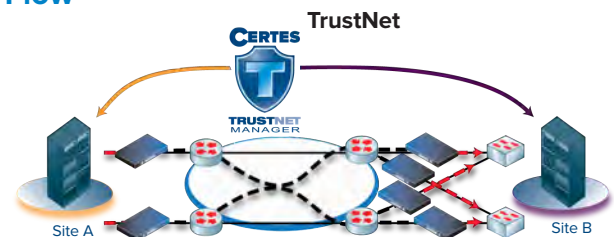


- TrustNet** policies are network oriented, not device specific
- The encryption keys are distributed to groups of endpoints, so any group member can talk to any other.
 - This allows any-to-any communication without the point-to-point constraints of tunnels.

Dynamic Traffic Flow

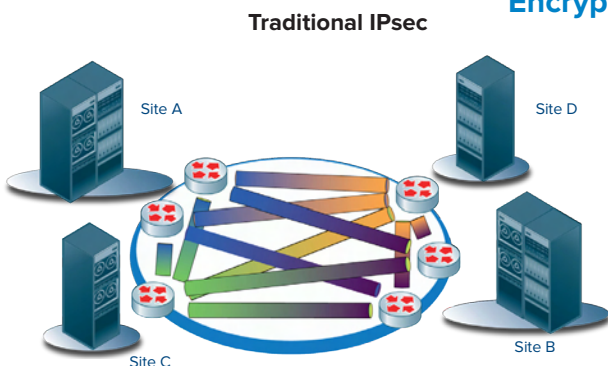


- Traditional IPsec** requires encrypted traffic be routed from a specific device to another specific device
- If a router goes down, the data cannot be decrypted without being re-transmitted
 - The result is the inability to route traffic around congestion

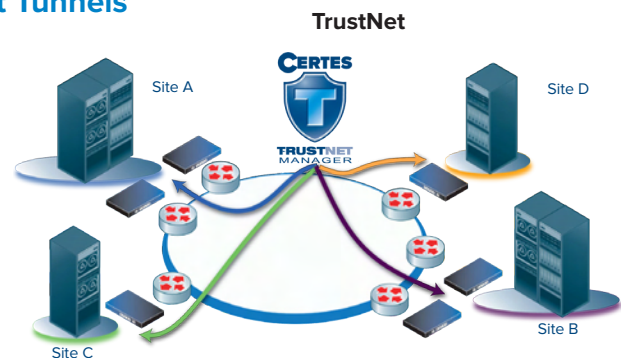


- With **Certes Enforcement Points**, the original header is preserved
- CEP groups and shared keys enable secure load balancing
 - The result is encrypted data traveling the most efficient route to the destination site

Encryption Without Tunnels

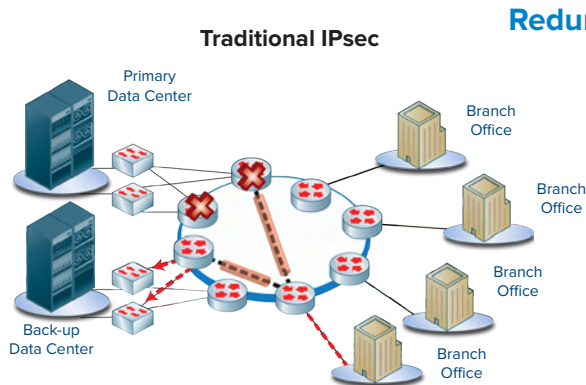


- Traditional IPsec** requires additional tunnels for new sites
- Complexity increases exponentially as static tunnels are added
 - The result is a complex and static routing cloud on top of a flexible and dynamic network



- The **TrustNet** solution encrypts data without disrupting network operations or application performance
- Additional sites are easily added using site-based policies
 - The result is a scalable, flexible, dynamic and secure network

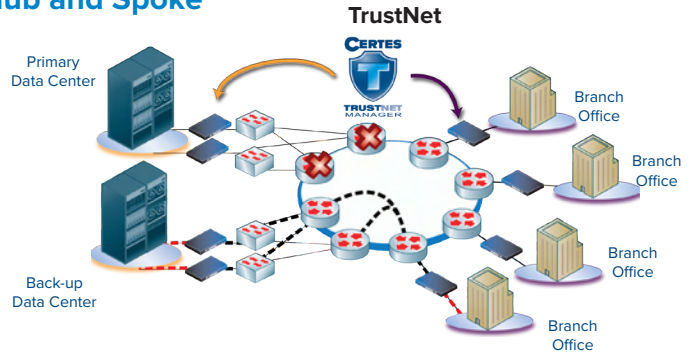
TrustNet's group policy definition, dynamic flow of encrypted traffic and encryption without tunnels combine to enable simplified network-wide encryption deployments for redundant hub and spoke networks, multicast applications and any other network, regardless of size, type or topology.



VPNs require static **IPsec tunnels**

- IPsec tunnels require pre-determined paths for encrypted data, which negates load balancing
- In the event of a primary data center failure, traffic must be resent to the back-up site
- The result is unnecessary complexity, loss of load balancing and delayed failover with the risk of packet loss

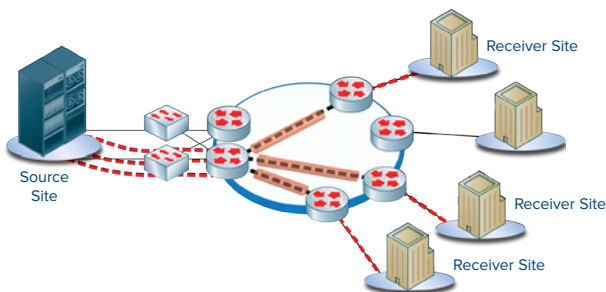
Redundant Hub and Spoke



With a **TrustNet** hub and spoke policy, all sites are defined and grouped as hub or spoke sites

- All devices in a group are given a common group encryption key
- Grouping enables hot failover without down time or packet loss
- The result is an encrypted network that routes and performs services as normal in the event of a failure

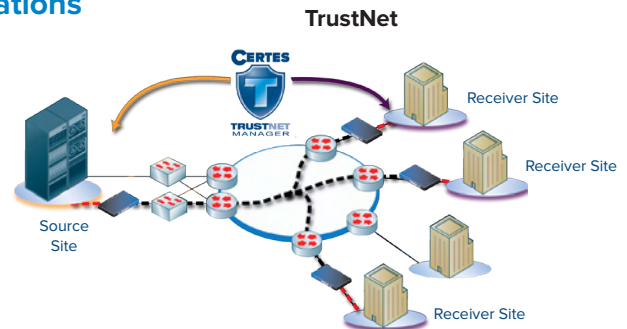
Traditional IPsec



With **IPsec VPNs**, traffic must be routed from a specific device to another specific device

- Data streams must be replicated to each device before entering the static tunnel
- The result is excessive traffic congestion and network performance degradation

Multicast Applications



A **TrustNet** multicast policy defines source and receiver sites

- All devices in a multicast group are given a common group key
- Encryption is wire-speed and does not disrupt latency-sensitive applications
- The result is encrypted multicast transmissions without data stream replication or network changes

About Certes Networks

Certes Networks is the leader in multi-layer encryption solutions for high performance networks. The Company provides advanced encryption solutions for wide area networks, and enables secure connectivity to private and public clouds. Certes Networks helps organizations improve security, decrease risk, and reduce the cost of compliance while enabling high performance and secure connectivity to critical infrastructures.

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