

CONNEXONE CASE STUDY

FINANCE INDUSTRY



ANY PROTOCOL
DATA
WHERE

CONNEXITE

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SECURE FINANCIAL TRANSACTIONS

Financial institutions require a secure method to process transactions without the risk of data breaches.

Today, most transactions are triggered online and require not only fast and secure processing but also mandates data integrity as top requirements.

Generated and modified data should be securely moved to other datastores for archiving, sharing, analyzing or any other form legal purposes.

Many protocols are used in current finance environments and there is no doubt new ones will be added based on new requirements.

Also financial systems are very sensitive to any sort of interruption, so any new security measure to be deployed must be smoothly integrated into current architecture, away from any operational issues and add more values.

CHALLENGE

Financial institutions require secure transaction processing and data integrity to prevent data breaches. Data transfer must not create any open door to allow remote attacks

SOLUTION

ConnexOne ensures one-way secure and reliable data transfer for transaction records, disabling return path physically to make sure no traffic on return direction.

OUTCOME

Increased security and reduced risk of financial data breaches and attack against infrastructure, ensure trust and reliability in financial operations.



SOLUTION OVERVIEW

Financial institutions require secure transaction processing and data integrity. Traditional data transfer methods may lead to data breaches and financial loss.

ConnexOne supports any protocol to be transferred using a single way hardware-based communication. It allows required protocols to share data with it, encapsulate this information, securely encrypt and deliver to low security zone to deliver any destination using the protocol needed.

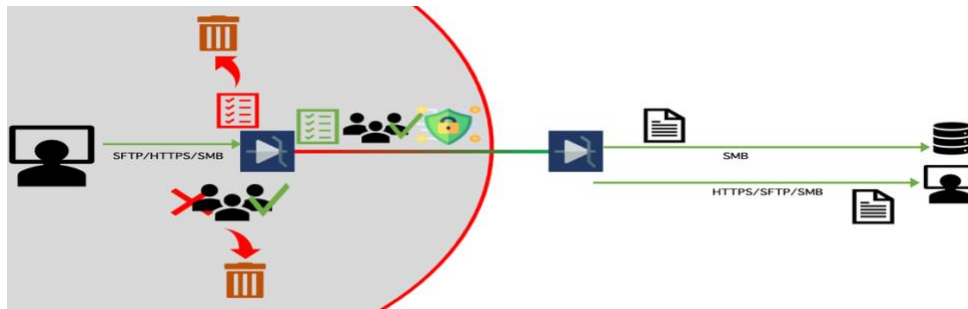
There is no protocol limitation on receiving side or delivering to destination. That makes ConnexOne solution, would not require any architectural change and integrate with current environment without any interruption or any sort of resource requirements.

ConnexOne is a long-term investment that provides secure transfer for today's architecture and also ready to support any future protocol requirements.



Solution Components

All ConnexOne hardware pairs are capable to transfer any protocols. It is possible to send received data to more than ConnexOne receiver and destination devices.



Application

ConnexONE, provides listeners for any protocol that needs to cross the boundaries of secured zone. If the protocol nature is based on single way transfer, ConnexOne transparently forward the traffic to remote pair allowing packets flowing into low security zone without any control. In case of acknowledgement required protocols, ConnexONE Guardian is responsible to receive information to be transferred. Protocol listeners are running in Guardian that handles all two-way protocol negotiations and acknowledgements. Receiving data is parsed and encapsulated into encrypted packages before sending to ConnexOne Postman which is the pairing device. Postman would decapsulate the data send, and send it to a destination platform or share it via its user interface.

Each protocol would be handled separately and no information exchange between different protocol instance is allowed. Since it is very critical to keep the sensitive information unmodified, ConnexOne does not use any sort of manipulation or filtering on data transferred, guaranteeing that no financial rules are broken.





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