

TankLink Message Center Security

Network Security Overview

TankLink typically will work with partnering companies to create secure site-to-site VPN tunnels for test and production system transmissions. We have the ability to conform to any encryption policy requirements the partner may have. TankLink utilizes only Cisco ASA firewalls in its environment.

Data Transmission Security

- Site-to-Site VPN tunnels between partnering locations for secure encrypted transmissions
- Optional SSL Certificate can be applied as well

Facility Features and Data Center Security

- AT&T Internet Data Center in Atlanta Georgia (1 of 38) with Redundant Dual Uplinks Directly Connected to the Global IP Backbone with Server, Facility & NOC Security.
- Off-site business continuity site in Chicago, IL.
- Hardened Facilities Protected by Multiple Security Measures:
 - 24x7x365 On-Premise Support
 - Continuous Closed Circuit Video Surveillance
 - Security Breach Alarms
 - Electronic Card Key Access
 - Biometric Palm Scan and Individual Personal Access Code
 - Secured Cage & Cabinet Environment
 - Secure key card access to data center (as well as facility and office).
- Advanced redundant environmental controls system.
- Power systems
 - Emergency Power Switch
 - ! Paralleling Switch Gear
 - ! Automatically Powers Up All Generators When Commercial Power is Interrupted for More Than 15 Seconds; Generators are Shed to Cover Load As Needed; Typical Transition Takes 60 Seconds
 - ! Manual Override Available to Ensure Continuity if Automatic Start-Up Should Fail
 - Batteries
 - ! Two (2) Battery Rooms Support The UPS Systems
 - ! Each Battery Bank Contains Gel Cell Batteries Per UPS Module
 - ! Fifteen (15) Minutes of Battery Backup Available At Full Load (I.E. 90 Watts/Square Foot)
 - ! Battery Bank Testing Machines Continuously Monitor Each Battery Bank To Ensure Optimum Operating Availability

- Uninterruptible Power Supply (UPS)
 - ! Eliminate Spikes, Sags, Surges, Transients, and All Other Over/Under Voltage and Frequency Conditions, Providing Clean Power to Connected Critical Loads
 - ! Two (2) Separate UPS Systems (N+1 Redundancy)
 - ! Each With Four (4) 600kw/750kva Modules= 8 Modules
- Commercial Power Feeds
 - ! 1 Commercial Feed Each At 12,470V
 - ! Located Near Substation
 - ! All Cable Routed Underground for Protection
- Backup Power
 - ! Four (4) 2,000kw Diesel Generators (N+1 Redundancy) Providing Standby Power
 - ! Three (3) 20,000 Gallon Underground Diesel Fuel Storage Tanks
- Fire Detection & Suppression
 - Very Early Smoke Detection Apparatus (VESDA)
 - ! State of the art active laser air sampling system
 - ! 100 times more sensitive than conventional fire detection systems
 - ! Configured to generate multiple alarms to provide the time needed to help minimize or prevent loss from fire
 - Conventional Smoke and Heat Sensors
 - ! Cross zoned throughout the center on the ceiling, below the raised floor area, top of CRAC units, UPS rooms, etc...
 - Fire Extinguishers
 - ! Located on the center floor for human intervention
 - Pre-Action Dry Pipe Fire Suppression System
 - ! Water not stored in pipe
 - ! Easier to control, more effective, and less harmful to equipment than chemical alternatives
- All data is secured in a Redundant Clustered database environment.
- Fully redundant communication lines

TankLink Security

- Customer data stored in a SQL 2008 database.
- Web application utilizes 128 bit SSL Certificate
- Web application design explicitly protects against SQL injection attack.
- Internal user access is controlled by Active Directory domain authentication
- Access to application data must be explicitly granted by administrator via "User" attributes.
- Users are assigned Username and Password stored in encrypted form. Administrators can only reset password to temporary expired value where the user must change the password on first use of the web application.
- Application data is arranged in organization hierarchy where users from child organization cannot access data from parent organization or sibling organizations.

TankLink Database Security

- Data access is restricted by application and to a minimal number of authorized internal business users.
- Internal user access is controlled by Active Directory domain authentication

TankLink Application Security

- Back6office applications are hosted on servers in our secure data center .
- Server access is restricted to a select few application developers and IT staff.