



Security Overview

GrantStream's Grant Management Technologies

GrantStream Technology

GrantStream's grant management tools, *GrantRight*[™], *MatchRight*[™] and *ScholarRight*[™] use Internet-based "Application Service Provider" technology (commonly called ASP). The technology resides on GrantStream's secure servers. Applicants submit requests through a secure on-line application form linked to our clients' Web sites. Clients access their data by logging onto their respective secure review interfaces.

Secure Server Environment

GrantStream ensures that the integrity of our systems and our clients' data is protected at all times. GrantStream's servers are stored the TELUS Toronto Internet Data Centre, 300 Bator Road, Toronto, Ontario M9M 3A8.

This Class A data facility offers a premium environment that is designed, built and maintained by data centre experts. Features include:

Physical Security

- Strictly controlled dust and pollution-free environment;
- Consistent temperature and humidity control with redundant HVAC controls;
- Early action, dry pipe, zone-only sprinkler system for fire suppression / protection and state-of-the-art laser detection system for heat and smoke;
- Static-free floor and sub-floor;
- Restricted access protected by card key and biometric scanners with 24-hour on-site security staff;
- Surveillance cameras, alarms and monitoring;
- Reinforced building structure with fire-, bullet- and shatterproof glass;

Logical Security

- Multiple levels of redundant Internet firewall protection;
- Sophisticated intrusion detection systems;
- Remote authorized GrantStream server access limited by RSA SecurID token;

Power Supply

- Industry-leading power availability with redundant power through redundant grids;
- Secure, static-free, multi-port grounding;
- 2n/n+1 or better redundancy for all critical facilities to ensure no single points of failure;
- Power conditioning to eliminate spikes and noise;
- Backup UPS combined with generator power with redundant multiple diesel and natural gas generators (on-site fuel storage for minimum 36-hour operation).

Internet Connectivity

- Fibre-optic OC 192 capable feeds, connected by the latest switching and high-speed routing equipment;
- The shortest "hop" to the Internet.

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Security of Data Transmission

Data transmitted to or from GrantStream's servers through the Internet is protected by secure 1024-bit Secure Sockets Layer (SSL) encryption, which electronically scrambles information, virtually eliminating the risk that outside parties can view or alter transmitted data.

Security of Client Database

GrantStream maintains its database on Microsoft® SQL Server® 2008 running on Microsoft® Windows Server® 2008. Data is stored utilizing high-quality RAID arrays with hot swappable drives. Data back-ups are made daily along with more extensive weekly tape back-ups that are stored indefinitely in a secure off-site location in Canada.

The database server is not exposed to the Internet and is accessed solely through internal traffic only. GrantStream's exposed servers operate from behind a secure global firewall in which all ports are closed except for those required for specific services.

Client data is retained indefinitely until such time that the client orders it deleted or returned.

Access to Client Data

GrantStream assigns unique user IDs and passwords to each client-designated authorized user that allow them to access their client-specific management site. GrantStream controls user IDs and associated permissions.

Authorized user access is managed through non-persistent session cookies where the only session information sent to the browser is a unique ID. When the user's browser is closed or the Logoff button is clicked, the session expires and the browser's session ID is wiped.

For more information on GrantStream systems, please contact:

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