I'm InTouch Security Summary

Executive summary

Security is very important part of all computer services. The initial Threat and Risk Assessment of the *I'm InTouch* software shows a low risk level associated with its use. Its system design achieves excellent security by using industry standard software and procedures. This minimizes security vulnerabilities, while giving clients remote access to their PC's.

The *I'm InTouch* Security design.

The use of HTTPS (which is SSL) during the login process, prevents hackers from "eavesdropping" and gathering passwords. There is no centralized database of passwords for hackers to target and attack. User manage their own passwords, which are saved on their PC. This reduces the risk to all *I'm InTouch* PC's, because if one PC is compromised by hackers, they will not have passwords for any other *I'm InTouch* PC's. Even **01 Communique** does not know the passwords.

01 Communique manages only the PC name assigned by the user. They create an SSL certificate, as part of the authentication process. This use of certificates allows users to verify that they have connected to the correct computers. Users can not access their *I'm InTouch* PC's, unless they first connect to the "locator" server. The use of SSL certificates adds another layer of security for PC's.

The use of Industry standard programs: SSL and Apache.

SSL is industry standard encryption. As security advances are made, they are quickly added to SSL. If any problems are detected, security updates are typically released in a matter of hours to days, unlike major computer companies which can take months to fix security problems with their proprietary software.

Apache is an industry standard web server. It can be considered the best and most secure web server available. And like SSL, problems are fixed in a very short period of time, while major computer companies, typically take a much longer to fix problems with their proprietary web servers.

Conclusion

I'm InTouch has a well designed architecture that reduces security vulnerabilities. This is a very secure system. To increase security and to reduce the risk, users should always follow some basic rules:
- always use SSL,
- always read the SSL certificates, to verify the computer to which you are connecting,
- and keep up to date with newest releases of *I'm InTouch.*