



VIR-SEC

Real Security in a Virtual World

**Securing Your Web Portal
Generic Project Proposal and Deployment**



Securing Your Web Portal

Disclaimer

This proposal will provide an overview of the recommended process to deploy SecureAccessTM and the removal of website portals and web applications from browser based access, increasing the security for data and information hosted on those portals. The removal of website portal access to secure data will eliminate browser based access to those web portals and applications, increasing security effectiveness by eliminating the number one attack tool, the browser, and the publicly advertised access portal.

This proposal is written to provide a more comprehensive understanding of the deployment process and cost factors related to the next generation of cyber security: SecureAccessTM. This is not the only way to deploy SecureAccessTM nor is it an all-inclusive explanation of the product's functionality and security. This example proposal is targeted at removing website access to secure data from outside sources. Integration of SecureAccessTM into an overall security solution is available but Vir-Sec feels that the elimination of the primary point of attack cannot wait years for a fully integrated solution to be deployed. Therefore, we have designed the SecureAccessTM model to be as flexible as possible and we will work with a company to facilitate a comprehensive move to a virtual solution in a virtual world.

Due to the nature of the solution being offered, this proposal is designed solely to provide a description of a step-by-step "secure" website portal removal. It is our expectation that when SecureAccessTM is compared to the "do-the-same-thing, only better" solution, this proposal will facilitate a conversation with potential clients.

The proposed deployment contained herein is based on a theoretical deployment of SecureAccessTM currently deployed on the Internet. The deployment is designed to remove the secure portal from any company's website. Any similarity to previous or current client interaction is based on the standardized approach of a SecureAccessTM deployment.

All pricing, processes, equipment and descriptions are subject to change without notice. This document is not a contract or proposal for a contract. Nothing in this proposal is binding in any way. Vir-Sec retains the right to reject any potential client or conversation due to security concerns. Vir-Sec will not share the information of any potential client during discussion of a potential project or during the pre-deployment process. To enter into a conversation to investigate the ease of deploying the next generation of cyber security, please contact:

Vir-Sec, Inc
Sales Department
2840 West Bay Dr. #212
Belleair Bluffs, FL 33770

(855) 847-7324 x---

sales@vir-sec.com



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Our Mission

To improve cyber security through innovation and new technology by establishing the right corporate culture through quality management and high performance.

Our Vision

There will be two Internets. The Internet you read your news on and check for movie times, and Vir-Sec's SecureAcess™: the first ever browser-less Internet application and cyber infrastructure that provides an unmatched level of security in cyberspace.

Operational History

Technologist, entrepreneur, and U.S Army veteran Chris Murphy founded Vir-Sec in 2007 to create a better, more efficient cyber security system. Since then Vir-Sec has been committed to setting the standard in the cyber security industry with the premier of SecureAcess™.

Mr. Murphy conceived the SecureAcess™ process after the first cyber-breach in 2005 when AOL was hacked and 90 million records were lost. In October of 2006, the first fully functional proto-type of the SecureAcess™ process was completed and in March of 2007 a patent was filed "Methods and systems for Internet security via virtual software". The patent was subsequently granted (United States Patent 8,074,261.)

Since the creation of the system that came to be named SecureAcess™, Vir-Sec has accomplished:

- 2006 functional prototype developed
- 2007 patent filed
- 2007 function proof-of-concept created
- 2007 developed Bank/Credit Card security model
- 2008 developed Heath Insurance fraud prevention, secure record delivery application
- 2010 developed SecureAcess™ 1.0 a complete proprietary virtual environment that loaded from a USB
- 2011 Patent granted
- 2013 completed SecureAcess™ 2.0 application and first SecureAcess™ token encompassing a proprietary token design
- 2014 completed deployment of SecureAcess™ 2.0 within US Intelligence Community
- 2015 Completed design of SecureAcess™ 3.0 token and environment for commercial use
- Current final preproduction testing underway
- 2015 2nd quarter, commercial release of SecureAcess™



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Letter from the CEO

Vir-Sec was founded on the belief that delivering the best product to market would make our company rise above the crowd. We are committed to producing an environment that facilitates secure communication without any monitoring outside of the data provider and the individual authorized to interact with the data.

SecureAccess™ is the first step along a new path for securing web portals and communications. By being able to access secure data on any computer, tablet, smartphone, etc. independent of the device, when not in use, a hacker has nothing to attack. This simple premise has become the only clear logical path out of the current cyber security crisis, a crisis that demands action and action now. In today's market, all Windows and Mac computers plus Windows mobile devices with USB support are fully compatible with SecureAccess™.

It is our commitment to continue to work to expand the functionality of SecureAccess™ in the future but for today, we are committed to securing data now and allowing SecureAccess™ to mature with the market. SecureAccess™ is a fractional cost solution with a profound impact potential.

Vir-Sec is committed to the principle that secure data should only be available to the data owner and their authorized users. We never monitor any transmission content within SecureAccess™. Vir-Sec will authenticate the token, provide a path to the token's issuer, and pass over control for direct communication to the data owner. Vir-Sec will store the timestamp and IP address of the authenticated token and provide continuous monitoring of the communication link to assure security.

Vir-Sec will never data mine any client's activity or the content of their communications. We believe the integrity of both the tool used and the data transmitted takes precedence over any revenues that can be garnered by exploiting the relationship inherent in the use of an access tool.

When you look at any security solution, you need to ask if the solution allows tools designed to spy into your secure environment. If these tools are unacceptable to your company's security, eliminate Browser-based access and you eliminate the problem.

Welcome to the world's first true virtual environment. The future is now.

Sincerely,

Christopher Murphy
Founder and CEO





Securing Your Web Portal

The Industry Today

Cyber security is critical in today's information based economy. To date, every deployed solution except Vir-Sec's SecureAxxess™ has failed. Worse than the failure to secure data is the failure to understand the nature of the problem. The solutions being put forward is to spend hundreds of millions of dollars deploying additional hardware and software solutions that are essentially the same failed solutions that have already been deployed. Vir-Sec's SecureAxxess™ allows organizations to secure their web portals from the most common points of attack with zero to minimal disruption to the organization.

There are two common detonators in almost every cyber breach: the web browser and the website portal. Any solution that does not address these two factors is inadequate and does not provide security to users or organizations.

The Future of Cyber Security

SecureAxxess™ is a comprehensive solution to cyber security that addresses most common attack avenues. The removal of the web browser and web portal cannot be underestimated in its value to security, both external and internal.

Removal of the website portal and browser access to secure data is critical. Browser-based access to secure data through a website provides a point of attack for any bad actor in the world. Providing a path to secure data to individuals that have no need or right to access the secure data will always leave an organization vulnerable to attack.

SecureAxxess™ is designed to address the issue of cyber breaches from outside sources. One issue in today's cyber environment is an organization's deployment and support of a myriad of systems that are designed to work with other products released by the same company but difficult to interact with outside products. Cyber security must be addressed as the two unique areas they are.

First: the most devastating are attacks from unknown entities using browsers to attack a website portal. Second: security from known individuals, either customers or employees, once they are inside an organization secure environment. The ability for an unknown actor to impersonate a known user through website access via a browser makes it impossible to provide security inside of an organization's network.

SecureAxxess™ is designed to address the most critical aspect of cyber security access from sources outside of the organizations control, browser-based or installed software-based access to secure data. Cyber security is increased exponentially when access to the portal to secure data is reduced from billions of people worldwide to a known group of individuals.



Securing Your Web Portal

With the product launch of SecureAcess™, it is now possible to provide a first-line of cyber defense that is completely invulnerable to known attack methods. Once an organization's attack surface has been reduced to known entities and users, SecureAcess™ completely secures an organization from outside bad actors, providing an unprecedented level of cyber security both externally and internally.

SecureAcess™ enhances security systems and methods that are already deployed inside an organization's internal network by removing the possibility of external threats. The integration of internal and external security is a subject for discussion as cyber security expands, and Vir-Sec is paving the way by focusing on eliminating external threats to enhance overall security. SecureAcess™ provides a low-cost, plug-n-play solution that creates minimal disruption to existing web portal processes and an organization's internal network.



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Step-by-Step Deployment Process

Realization of a SecureAccess™ solution for a given website is accomplished in two distinct phases that must be completed prior to conversion:

- Pre-Deployment Analysis, Planning and Development
- Delivery and Provisioning

This process assumes that the targeted system is an “open” system (no third-party components that cannot be configured or modified by the owner) and is fully accessible by the owner.

Pre-Deployment Activities

Whether the SecureAccess™ solution is to be integrated into an existing web site or is it part of a site yet to be constructed, the objectives that must be achieved during the Pre-Deployment phase are essentially the same:

- Site Survey and Analysis
- Establish Access Constraints Requirements
- Implement Access Constraints
- Implement Augmented User Provisioning

The site survey and analysis is necessary to determine factors which will guide the remainder of the project; Factors such as:

- Determination of technology base of the site.
- Which areas of the site are to be secured and which, if any, are to remain accessible without SecureAccess™ Authentication.
- Nature of existing or planned User Provisioning UI and workflow.

Once the Site Survey is completed, Vir-Sec will determine the most effective method of achieving the integration necessary to implement the required access constraints. Additionally Vir-Sec will decide upon the optimum means of associating SecureAccess™ tokens with end users, either by augmenting the existing user provisioning workflow or providing an independent UI. In all cases Vir-Sec coordinates with the customer to plan and effect any necessary development or site configuration changes.

Deployment and Provisioning

The post-delivery steps involved in the deployment and provisioning of the SecureAccess™ solution are:

- Establish Site Authentication Account in the Vir-Sec Authentication Service
- Deploy Site Solution – this step may involve deployment of an ISAPI module, modified master pages and/or other similar “centralized” extensions to the site to facilitate the required communication with the Vir-Sec Authentication Service
- Deliver Site Tokens – Vir-Sec will deliver the required number of tokens to the designated customer representative for assignment and distribution to the end user group.
- Provision User accounts to associate a SecureAccess™ Token with each end user.
- Distribute Tokens to end users

A large, semi-transparent watermark of the Vir-Sec logo is centered on the page. It features a large blue checkmark inside a yellow circle, with the word "VIR-SEC" in a large, bold, blue font below it.

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SecureAxxess™ Pricing

Annual Pricing*			
Product Purchase Quantities (Tokens)	Price Per Token	SecureAxxess™ Licensing (per Token)	SecureCommunique™ Licensing (per Token)
10 - 249	\$89.95	\$63	\$49.98
250 - 499	\$84.95	\$57	\$45.15
500 - 999	\$79.95	\$50	\$39.90
1,000 - 9,999	\$74.95	\$45	\$34.65
10,000 - 49,999	\$67.95	\$40	\$29.40
50,000 - 99,999	\$61.95	\$35	\$25.20
100,000 - 499,999	\$54.95	\$30	\$21.00
500,000 - 999,999	\$48.95	\$26	\$18.38

Monthly Pricing*			
Product Purchase Quantities (Tokens)	Price Per Token	SecureAxxess™ Licensing (per Token)	SecureCommunique™ Licensing (per Token)
10 - 249	\$89.95	\$6.00	\$4.76
250 - 499	\$84.95	\$5.40	\$4.30
500 - 999	\$79.95	\$4.80	\$3.80
1,000 - 9,999	\$74.95	\$4.30	\$3.30
10,000 - 49,999	\$67.95	\$3.80	\$2.80
50,000 - 99,999	\$61.95	\$3.30	\$2.40
100,000 - 499,999	\$54.95	\$2.90	\$2.00
500,000 - 999,999	\$48.95	\$2.50	\$1.75

* MSRP Pricing. All pricing, processes, equipment and descriptions are subject to change without notice. This document is not a contract or proposal for a contract. Vir-Sec retains the right to reject any potential client or conversation due to security concerns.

