

# maverick™

## 4-F™ Authentication IN LAW FIRMS



\*Scenario is for illustrative purposes only.  
This is not a case study.



# maverick™

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Hello and thank you for your interest in Maverick Secure.

In establishing Maverick I had a vision to build a company that everyone could be proud to work for, be associated with, and would want to conduct business. I believe we have achieved that goal and continue to aspire everyday to make that an on-going reality of continuous improvement. Here at Maverick Secure we are building a company that is run with integrity. Our ethos: SECURITY IS EVERYTHING. Our products, our service, and our mission will not be compromised. Our mission is to provide the most secure authentication process available on the market, and match that with the most affordable price point in the market.

The Maverick family is founded on several core principles:

- To stay ahead of hackers and rogue elements by providing the strongest, most secure, highly innovative and patented authentication processes available;
- To provide a great product at a reasonable price;
- To be responsible to our customers: your success is our success;
- To be responsible to our employees: we all work hard and so we should all share in our collective successes.
- To be responsible to this land that we all share: make every effort to create a sustainable product that will contribute to the health, vitality and industry of this planet;
- To invest in solutions that will enable the business community to grow and develop: businesses of all sizes are the backbone of our communities, our culture and our country.

Maverick Secure is fully invested in developing and protecting a work environment that rewards integrity and embraces diversity. We believe in quality service and support this with a strong work ethic. Here at Maverick Secure, we will not compromise integrity for profit. We will not discriminate on the basis of race, ethnicity, religious preference, sexual orientation or gender – rather, we will truly endeavor to embrace and elevate individuals who deliver on our core values. It's simple really: your success is our success. We believe in good honest work, and we will work hard to produce the tools, the solutions, and resources that make your task easier, more efficient, more profitable and most importantly, MORE SECURE.

On behalf of the Maverick family, I welcome you to learn more about our family of products, and to become our next Maverick Secure satisfied customer.

Thank you.

Patrick McNicholas  
Managing Partner





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### Introduction

The legal profession's livelihood is the protection of their clients and their confidential information. Naturally, this information would be targeted by corporate or state sponsored hackers for achieving their own personal goals.

### Case Scenario

A 15-year old law firm seeks to upgrade their authentication system following a minor unauthorized intrusion into the company LAN. As a pro-active preventative measure, the partners commissioned a taskforce that eventually recommended Maverick Secure LLC's authentication solution.

### The Challenge

A strong but cost effective multi-factorial authentication system would fail with lawyers as most members of the legal fraternity were not techno-savvy.

### Key Requirements

- Strong authentication
- Easy to use
- Easy to implement and manage

### Maverick Solution

The Maverick 4-F™ security authentication system, with its four-factor authentication, PKI and OTP capabilities, was found to meet the law firm's needs to boost their data security and clients' confidence.

### Implementation

Deployment and activation of the Maverick 4-F™ authentication system among its senior and junior partners and staff boosted confidence in the law firm's ability to keep confidential information secure and private. Enthusiasm by naturally competitive junior partners ensured everybody wanted a security token

### Results

- Data protection and peace of mind
- No impact on staff workflow
- Easier IT management

### About Maverick Secure LLC

MAVERICK is dedicated to high-quality, affordable, user-friendly, scalable, and seamlessly-compatible technologies addressing the critical needs of the rapidly developing authentication market.

## Keeping Lawyer-Client confidentiality more secure by using Maverick 4-F™'s security authentication solution.

### At-A-Glance

#### Key Requirements

- Strong authentication
- Easy to use
- Easy to implement and manage

#### Solution

- The Maverick 4-F™ security authentication system, with its four-factor authentication.

#### Results

- Data protection and peace of mind
- No impact on staff workflow
- Easier IT management

### Introduction

Attorneys are among the most conservative of professionals. They tend to lag when it comes to using new technology. In the early 2000s, for example, attorneys were seen as slow to embrace the computer age.

It has been more than a decade and it seems the legal profession are well on their way to embracing the usage of computer systems. In fact, some law firms have large IT departments fully devoted to managing computer networks that allow lawyers and their clients to smoothly communicate and exchange data through the use of computers. However, the perception is that lawyers are still lagging behind in the adoption of state-of-the-art secure data protection systems. Lawyers are still viewed as obstinate, clinging to the opinion that security breaches "can't happen here."

Unfortunately, because of their lax data security systems, law firms are favorite targets of even junior-grade hackers although breaches on law firms are seldom reported because of possible damage to their reputations and loss of confidence from their clients—withstanding the fact that more and more governments are enacting data breach notification laws.

Even websites for fictitious lawyers are not exempt from hacking and defacement. What makes solo attorneys and law firms attractive hacking targets? Money. Big corporations hire attorneys to advise on huge deals which are attractive targets for business espionage. Solo family lawyers are often hired by estranged couples on divorce proceedings—often involving huge sums, the details of which are often shared confidentially with attorneys.

Attorneys are made privy to secrets worth fortunes as trustees, or patent or trade secret attorneys. Confidential information held by trial lawyers about their clients are also particularly attractive to those very much interested in landing those clients in jail—for better or for worse. The bottom-line is, lawyers and law firms who don't have secure data protection systems in place are ripe for the picking by hackers.





Strongly encrypted storage media and files are useless to hackers. Accordingly, what they target instead are the authentication systems and the passwords used on them.

There are three factors of authentication commonly recognized:

1. **Something You Know** – user name and password combination
2. **Something You Have** – Any advise you have (sometimes throughout your network session) in order to be authenticated—like badges, tokens, key dongles, or ATM cards.
3. **Something You Are** – fingerprint or voice print.

There's a fourth factor increasingly being proposed, Somewhere You Are, or simply location. This is an additional authorization factor that can help curb fraud. The more authentication a data protection solution uses, the more secure it is thought to be. However, more factors means greater inconvenience and therefore multi-factor authentication solutions are used for accessing highly sensitive data and systems.

### Case Scenario

A 15-year-old law firm sought to upgrade its security procedures after a minor data intrusion incident. With the goal being 100% elimination of data intrusion vulnerabilities, the senior partners conducted an internal audit of the current security systems in place including the necessary forensics to understand the basis of the data intrusion incident. Their conclusion was that the intrusion was limited as the data encryption, admin monitoring and vigilance systems were sufficient at the senior executive level of the organisation. However, at the staff and junior partner level, several data entry intrusion points were identified primarily because of usage of a simple username and password combination. This necessitated the senior partners to introduce a strong authentication process so that all data risks could either be eliminated or mitigated throughout the organisation.

Senior management then commissioned a taskforce to evaluate authentication solutions and their vendors. The taskforce findings showed the most suitable authentication system for the law firm's purpose was a multi-factor electronic hardware token system capable of keeping digital certificates and generating time-based one-time passwords. After looking up several well-respected vendors in the authentication business, the taskforce recommended Maverick Secure LLC's, the Maverick 4-F™ security authentication system.

### The Challenge

Deploying a new security authentication system to a group of lawyers would need to take into account their workflow so their productivity and efficiency (and billable hours) were not impacted.

### Key Requirements

- **Strong authentication** – System should be able to use multi-factors, depending on the user's access level.
- **Easy to use** – Lawyers are not known for being technologically savvy.
- **Easy to implement and manage** – Simplicity in administration will drive down costs.



### Maverick Solution

After reviewing solutions offered by several well-respected vendors in the rapidly developing authentication market, the senior partners chose the Maverick 4-F™, regarded as a breakthrough 4-factor password system.

The Maverick 4-F™ is a hybrid security token system featuring zero end user driver installation, Public Key Infrastructure (PKI) capabilities and time-limited one-time passwords (OTPs) generated every few minutes.

The security token further protects data and is easier to use by being compatible with many encryption, authentication, and access gateway technologies approved at government level. The Maverick 4-F™'s PKI functions enable encrypted digital certificates to validate the identity of the user (and the server) continuously while on the firm's LAN or VPN remote connection.

### Implementation

Fortunately, the law firm consisted only of four senior partners and 20 junior lawyers under them, plus 30 support staff. Maintenance services had limited access to the firm's LAN (mostly email, Internet and a few desktop games while they were not on active duty) so the deployment targeted only the lawyers, their assistants and secretaries who had the necessary clearance to access sensitive client information.

To encourage the lawyers to use the security tokens, a two-week pilot testing was given to the most promising up-and-coming junior partners. Success of the pilot after two weeks inspired others to use the tokens as well. Those two weeks were also devoted to refining the solution by the deployment team.



## Results

### 1. Data Protection and Peace of Mind

The senior partners had greater confidence that their clients' data was secure and that any work performed on the client files by junior partners and staff were safe from any data intrusion.

### 2. No Impact on Staff Workflow

Due to the simplicity of implementation, the workflow of all the inhouse legal teams was uninterrupted which meant that normal billing and processes continued as normal.

### 3. Easier IT Management

Maverick 4-F's web-based admin tools made it easy for the legal firm's IT team to administer the activation, revocation of security tokens and monitoring of access of the firm's LAN.

## Summary

The new security authentication system had the desired effect on staff, junior partners and clients whereby there was greater overall confidence that client data was secured from end to end while it resided in the legal firm's IT systems. It led to a greater morale across the board within the firm and had the added unseen benefit whereby the firm was recommended through word-of-mouth promotion by their clients to other businesses who were seeking legal assistance.

## About Maverick Secure LLC

Maverick provides multi-factor authentication solutions to safeguard confidential digital records and data. It is applicable to industries including technology, Internet, healthcare, education, financial services, government, military and subscription services. Maverick's strong multi-factor authentication processes are your solution when passwords just aren't enough to protect your sensitive data from unauthorized users and hackers.

The Maverick brand is dedicated to providing the business community with a high quality and affordable alternative to the pre-existing/overpriced offerings currently available in the market. By providing user-friendly, scalable and seamless compatible technologies, our products match and very often exceed our competitors' products while remaining price sensitive, affordable and much greater offering value for money.

Maverick offers stronger security by leveraging the industry's leading multi-factor authentication processes in very unique and efficient out-of-band channel methods. By living up to its name, Maverick takes a unique "out of the box" strategic perspective in protecting our clients from the threats that surround us in this constantly evolving security-vulnerable world. Maverick provides an easy-to-use approach for users while providing the highest level of security as an overlay to existing business applications and systems.

The Maverick brand started out as Maverick Computers and was named as "One of the fastest growing computer companies in North America," "#1 Solution Provider" and the "#1 System Builder in North America based on growth (2004)," and "Server Innovation Award" by CRN Magazine for developing a virtually indestructible server.

The company then launched a new sister company called Maverick Communications which was awarded "2005 North American System Builder Association – Business Innovation of the Year" for creating an integrated array of video, voice and data services that included what was then the world's fastest Internet access for consumers at 45mbps. Over the past five years a new division of the Maverick brand, Maverick Secure LLC., was launched to combat the ever-evolving and tenacious attacks of hackers such unauthorized access of data and the multitude of other security breaches have caused serious turmoil within the computer and associated industries. In 2009 Maverick partnered with IBM, the number one server company in the world for enterprise users, to develop the "Maverick SMART Server Powered by IBM." By utilizing the award winning hardware of Maverick Computers, the industry's leading authentication process of Maverick Secure and the online and business applications of IBM, Maverick is now positioned to deliver end-to-end solutions for businesses small and large. We believe we have brought together the perfect harmony of leading technologies to offer one of the most secure solutions that addresses issues related to password authentication.

## Contact Us

To learn more about how 4-Factor Authentication products, services, and solutions help solve your business and IT challenges please contact your local representative or authorized reseller.

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Maverick helps organizations secure and manage their information-driven world with security management, endpoint security, messaging security, and application security solutions.

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