

# ENTERPRISE SECURITY

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## Top 10 Multifactor Authentication Solution Providers - 2018

With cybercrime showing no signs of slowing down, it's time for organizations to strengthen their multi-level of defense. In this digital era, enterprises are inundated with security aspects while they are working on cloud migrations, an influx of the customer's own devices, and other trends. This confluence of new technologies is set to help businesses move away from password-based authentication towards a more-secure, less-invasive approach that relies heavily on behavioral monitoring and a range of inputs from smartphones and other devices.

Further, unified platforms are penetrating the global multi-factor authentication market to reduce the cost involved in maintaining separate platforms and modules for scanning fingerprints from smartphones (biometrics), voice analysis or deriving metrics from monitoring of mouse movements, and

other distinctive user characteristics. In addition, security-driven Artificial Intelligence (AI) platforms are also making a huge impact on cybersecurity space and it's also a revolutionary idea in the world of internet security today. The edge that AI has is that it is constantly learning and working alongside with human engineers to predict a cyber-attack before it actually happens, thereby preventing it at the earliest.

While security is an integral aspect when it comes to business, the fight for data security and privacy continues; the longer it goes on, the more the organization's demand for a standard security grows. Truly, now is the right time for enterprises to consider using multi-factor authentication for their business. To help CIOs zero in on the right fit, multi-factor authentication solution for their organizations, Enterprise Security Magazine presents the "Top 10 Multifactor Authentication Solution Providers 2018."

### Biometric Signature-ID

recognized by **SECURITY** magazine as

TOP 10 MULTIFACTOR  
AUTHENTICATION  
SOLUTION PROVIDERS - 2018

*The annual listing of 10 companies that are at the forefront of providing multifactor authentication solutions and impacting the marketplace*

**Company:**  
Biometric Signature-ID

**Description:**  
Strengthens user account security by easily integrating 4 character passwords created in seconds using gesture-based biometrics for identity authentication on mobile devices and online

**Key Person:**  
Jeff Maynard  
CEO, President, & Founder

**Website:**  
[biosig-id.com](http://biosig-id.com)

## Biometric Signature-ID

# Advanced Biometrics for Foolproof Authentication

**W**ith rising instances of sophisticated cyberattacks, security measures such as two factor authentication and even encryption have proven to be inadequate. Emerging as an advanced security measure, behavioral biometrics can effectively combat cyberthreats. Going beyond voice, fingerprints, or facial recognition, behavioral biometrics analyzes multiple data and end-point interactions such as hand-eye coordination, hand radius, navigation, and other finger movement to generate a secret passcode to authenticate an individual. Spearheading behavioral metric innovation is Biometric Signature ID (BSI)—the Texas-based firm that strengthens user account security by leveraging behavioral patterns. “We use a patented form of dynamic biometrics called ‘gesture dynamics’ to validate the user during account login,” Jeff Maynard, CEO, President, and Founder of BSI.



Jeff Maynard

“  
We see the combination of biometrics and behavior analytics as the future of online monitoring and identity management to check fraud  
”

Without requiring additional hardware, BSI’s all in one multi-factor authentication technology measures an individual’s unique biometric patterns during an account setup. Movement patterns including the length, angle, speed, height, number of strokes are recorded and a unique passcode is generated for every individual. Upon subsequent logins using a drawing area on any device, the newly generated pattern is matched with the one created during enrollment. If patterns match, the user is authenticated and the access rights are granted.

Alongside behavioral biometrics, BSI provides rich analytics allowing organizations from different industries, including Education, Healthcare and Finance, to zero in on suspicious users and effectively thwart malicious activity. The analytics report brings greater transparency, helping network administrators to spot even the smallest pattern

deviation. “We see the combination of biometrics and behavior analytics as the future of online monitoring and identity management to check fraud,” highlights Maynard. Since signatures/characters can vary marginally with time, BSI’s innovative technology has a learning module that adjusts the passcode based on the original user’s behavior periodically, without having the user to re-enroll.

In addition, BSI provides comprehensive forensic audit trails detailing time, location activity, history, and the ISP/IP address of a user that logs in anywhere in the world. Through continuous data mining, BSI develops risk scoring algorithms and acts as an early warning system to help security teams detect suspicious behavior before a hack or intrusion takes place. It also provides a report identifying individuals that accessed the documents, comparing the history of IP address, ISP’s, accuracy levels, password resets, what device they are using, which OS, and validation attempts, thereby revealing patterns pointing to fraud and atypical behaviors. This report serves as a base for generating real time notifications tailored to each client.

As a testimony to BSI’s proficiency in identifying customer’s unique challenges and acting upon it, Maynard elucidates that one of their clients, an academic institution suspected that students were cheating in their institution. Utilizing BSI’s combination of intuitive technology and forensics team, they found out that 45 out of 1000 students were cheating. After scrutinizing all the activity, BSI prepared a detailed report that provided the client insights about the fraud that empowered them to take necessary action against those individuals.

As the security challenges abound, the compliance mandates are getting even more stringent. This poses stiff challenge for enterprises. To this end, BSI complies with the necessary regulatory requirements, including the upcoming PCIDSS, PCD2, and the European Union (EU) General Data Protection Regulations (GDPR). These mandates, backed by stiff fines for non-compliance are designed to keep users safe by ensuring personal ID protection and instant authentication anytime, anywhere. BSI is also launching three new products to diversify their solutions portfolio. With an array of solutions to offer, the firm is rapidly expanding their base of 12M uses across 95 countries and has more than doubled in size the last year. **ES**

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Company	Management	Description
Aware [NASDAQ:AWRE] Bedford, MA aware.com	David Benini VP, Marketing & Product	A global provider of biometrics software and solutions
Biometric Signature-ID Lewisville, TX biosig-id.com	Jeff Maynard CEO, President, & Founder	Strengthens user account security by easily integrating 4 character passwords created in seconds using gesture-based biometrics for identity authentication on mobile devices and online
Crossmatch Palm Beach Gardens, FL crossmatch.com	Jeff Carpenter Director of Identity Solutions	Crossmatch's security solutions provide the optimal set of multifactor authentication factors that cater to today's unique risk requirements
Crysp San Francisco, CA crysp.com	Dhires Salian Co-founder Andy Viswanath Co-founder	Offers smart authentication solutions to improve security while enhancing customer experience
HID Global Austin, TX hidglobal.com	Pan Kamal VP of Product Marketing Martin Ladstaetter VP, Product Management	Provider of identity and access management solutions to a wide range of industries
Ping Identity Denver, CO pingidentity.com	Andre Durand CEO	Provides cybersecurity for borderless enterprises, a federated identity management platform, and API security for partners and employees
RSA Security Bedford, MA rsa.com	Rohit Ghai President	RSA Security a networking security creates the public key infrastructure (PKI) encryption standards to enhance internet communication's security
SecurEnvoy London, London securenvoy.com	Steve Watts Co-founder & CEO	An award-winning tokenless multifactor authentication software solutions provider that enables users to authenticate at anytime and anywhere.
ShareSafe Solutions Mobile, AL sharesafesolutions.com	Robert Hanson CEO & Co-founder John Beck, COO Rick Schooler FACHE, LFCHIME, FHIMSS, CHCIO, MBA, Consultant & Board Member	ShareSafe's Vortex Platform, with 'plug and use' multifactor authentication, knits through all systems across a physician's workflow
Uniken Chatham Township, NJ uniken.com	Bimal Gandhi CEO	With its REL-ID platform, Uniken enables organizations to deliver safe, simple, and scalable digital experiences to its customers