DATA SHEET

Outseer Fraud Manager™

Protect every step of your customer's digital journey

OUTSEER

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At a Glance

- **15 Billion+ transactions and digital interactions protected a year**
- **Protects the user's digital journey at every step, in multiple channels: Web, mobile, Phone, IVR, ATM, Branch and Open Banking (API)**
- **Outseer Intelligent Platform™ helps orchestrate all your fraud prevention efforts effectively**
- **Highest reported fraud detection with lowest intervention rates in the industry**
- **Flexible deployment options: on premise or Cloud**

Outseer Fraud Manager™

Helping You Protect Every Step of the Customer Digital Journey

The dramatic increase in consumer adoption of digital interactions and transactions during the pandemic has prompted organizations everywhere to accelerate their digital transformation efforts. Whether it's web, mobile, ATMs, call centers, IVR systems, or open APIs, speed and convenience are now simply expected.

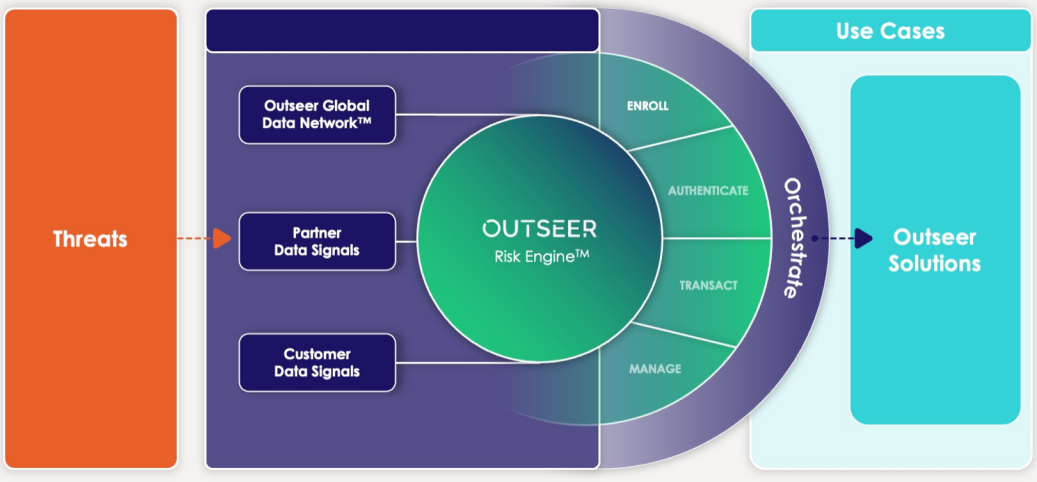
At the same time, fraud continues to proliferate, with cybercriminals leveraging phishing, account takeover, man-in--the-browser, APP scams and other advanced attacks to gain unauthorized access to customer accounts.

The significant rise and reach of data breaches has also exposed mass sets of data and customer credentials that are then used for account takeover. A new data breach is announced weekly. In fact, there were 4,145 publicly disclosed breaches that exposed over 22 billion records in 2021[1].

Outseer Intelligent Platform™ which underlies Outseer Fraud Manager provides comprehensive fraud protection across the digital journey, streamline fraud operations and lower fraud losses all while maintaining seamless user experience which in turn drives increased revenue and profitable growth.

At the core of the platform is the **Outseer Risk Engine™**, built for precision detection, utilizing the most effective signals to detect and prevent fraudulent activity. Our predictive algorithms work in real-time to analyze hundreds of signals coming from the Outseer Global Data Network™, our Partners, and our Customers.

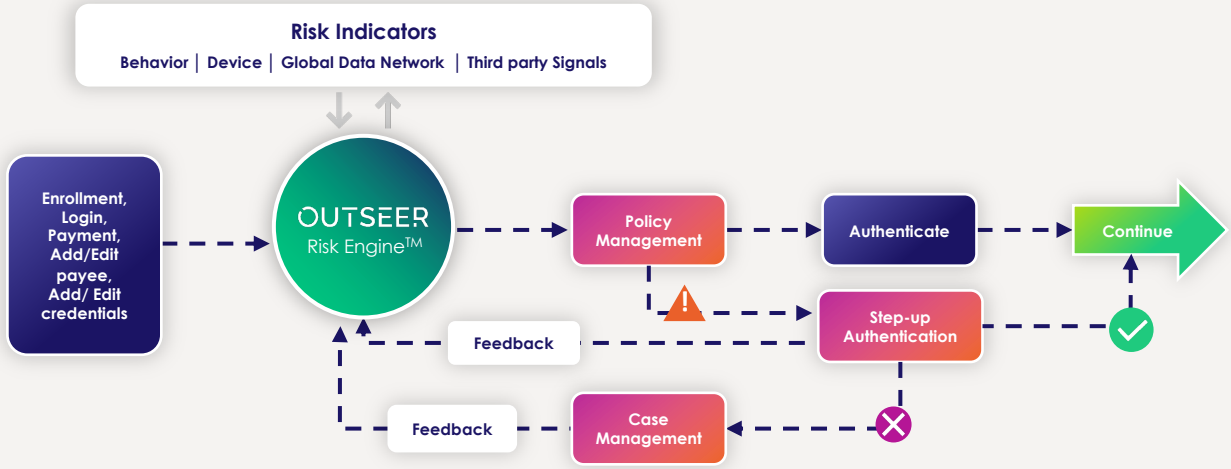
Outseer Intelligent Platform



How It Works

Outseer Fraud Manager is powered by the Outseer Risk Engine™ that accurately assesses the risk associated with each transaction and digital interaction during the user digital journey. By applying risk-based approach, only small number of activities or transactions are asked for additional authentication that can be done using the out of the box step up authentication options or by leveraging the organization authentication tools. Outseer Fraud Manager orchestration capabilities allows organizations to share third party signals with Outseer Risk Engine to get an integrated risk score.

Outseer Fraud Manager™ Workflow



Outseer Risk Engine™

The Outseer Risk Engine, which is at the core of the Outseer Intelligent Platform,™ is built for precision detection. The Outseer Risk Engine analyzes hundreds of signals coming from the Outseer Global Data Network™, our Partners and our Customers, and uses predictive algorithms to detect and prevent fraud in real-time. It uses an advanced machine learning statistical approach to calculating the risk score. This approach looks at the conditional probability of each event to evaluate if its most likely genuine or fraudulent given the known facts or predictors. All available factors are taken into consideration but weighted according to relevance; the most predictive factors contribute more heavily to the score. The predictive weighting calculations are updated daily based on authentication results and case management feedback.

Behavioral Profiling

Our behavioral profiling compares current activity with established customer behavior to detect deviations from normal that may be indicative of fraud. Multiple parameters are examined including frequency, time of day, and type of activity. For example: Are these payment types and associated transaction attributes consistent with typical transactions for this user?

Outseer Global Data Network™

Outseer Fraud Manager uniquely benefits from data signals contributed by the Outseer Global Data Network – a globally shared, fraud intelligence consortium that gathers data from transactions spanning thousands of companies in numerous industries around the world. When a member of the network marks an activity as “Confirmed Fraud” / “Confirmed Genuine” in the case management application the associated signals are shared across the network. When an activity is attempted and includes one of the signals from the Outseer Global Data Network the risk is automatically adjusted, delivering smarter risk decisions.

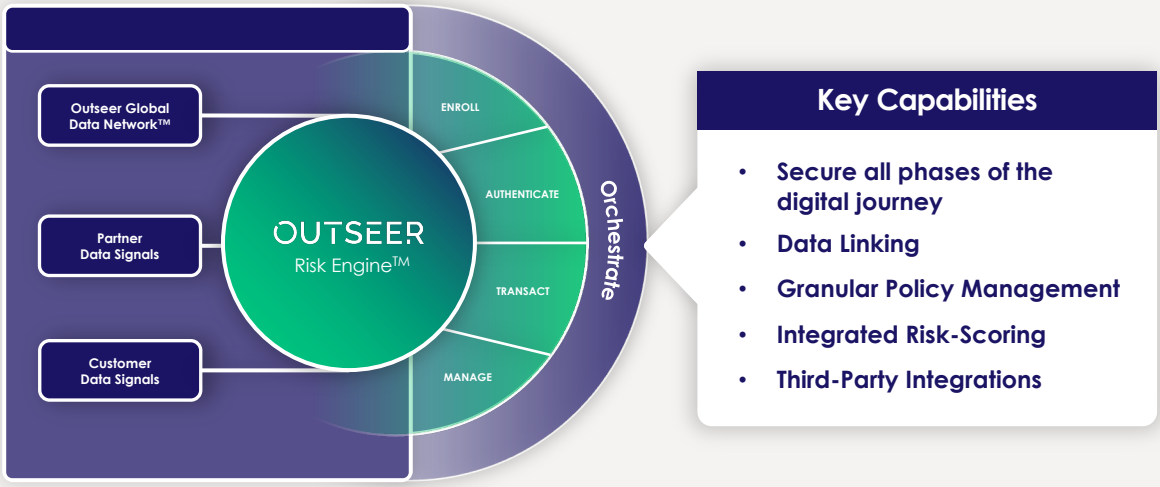
Device Profiling

Outseer’s device profiling capabilities allow you to assess whether a customer’s device is different than one usually used to do business with your organization, or whether it has been connected to known fraud. Parameters analyzed include IP address and geolocation, operating system, browser type, and other device settings. In many cases, account takeover attacks are conducted from fraudsters devices with the genuine user credentials hence accurate device identification and profiling of known devices for a user is key to mitigate account takeover. Outseer device profiling and device identification capabilities use unsupervised machine learning algorithm to calculate an accurate assurance level that reflects the probability the user used the device in the past.

Orchestrating Your Fraud Prevention Efforts

The Outseer Intelligent Platform which underlies Outseer Fraud Manager, is designed to help organizations orchestrate fraud prevention efforts, centralize fraud management, maximize investment in different fraud prevention tools and drive higher performing fraud detection. The pace, complexity and variety of fraud schemes require a solution that can enable a rapid response, bringing the right capabilities and intelligence to the right place at the right time. Outseer Fraud Manager does precisely that.

Outseer Orchestration Capabilities



Secure all phases of the digital journey

Outseer Fraud Manager enables the definition of different flows and instructions needed to address each step of the user journey, such as: **Enroll**, **Authenticate**, **Transact** and **Manage**. For example, you may allow a high-risk login, but then require the user to re-authenticate for a high-risk money transfer.

Data Linking

Outseer Fraud Manager helps link the data of the user from one step of the journey to the next.

Granular Policy Management

Flexibly define policies to match your risk appetite. Event level policies can be defined to trigger different actions for different scenarios.

Integrated Risk-Scoring

The Outseer Risk Engine combines intelligence from the Outseer Global Data Network and third-party signals that can influence risk assessment and enhance the accuracy of the risk score.

Third-Party Integrations

Outseer Fraud Manager enables the flexibility to respond to new threats, easily adding new signals from our Partner Ecosystem. These include integrations into the Outseer Risk Engine, the Policy Management application. In addition, partners and third-party step-up authentication options can easily be integrated.

Outseer Policy Management

The Outseer policy engine translates data signals and risk intelligence into action. Using our fine-grained policy controls, you can set different outcomes to different thresholds based on your risk tolerance and your business objectives based upon the data signals and risk score.

The web-based Outseer Fraud Manager Policy Management application allows you to set event-level policy, for example: policies that will only trigger at a payment step, or a policy that will trigger at login or when a user is managing their account settings.

No coding is required to define a policy, you simply click and select the elements you want to consider as part of the policy logic.

Outseer Case Management

Our case management application enables you to track the activities that trigger policy and confirm if they are fraudulent. You can also use the web-based application to research activities and analyze fraud patterns, for instance when revising or developing new policies.

When cases are confirmed to be fraudulent feedback is instantly provided to the Outseer Risk Engine, helping to enhance the accuracy of risk decisions even further. An API is also available allowing to consume third party cases data.

Protection for Mobile Users

Outseer Fraud Manager enables a secure and frictionless mobile experience by leveraging Outseer Fraud Manager Mobile SDK. This SDK integrates with your mobile application, collects mobile device identifiers for risk assessment, and invokes Biometrics and OTP Push notifications as step-up authentication for flagged transactions.

Step-up Authentication

An additional layer of step-up authentication may be employed to further validate one's identity in high-risk scenarios or scenarios that violate your organization policies. Outseer Fraud Manager supports a wide range of step-up authentication options, including:

- **Challenge Questions:** Questions selected and answered by the user during enrollment
- **One-Time Passcode (OTP)**: One-time passcode sent to the user via text message, phone call or push notification
- **Biometrics**
  - Fingerprint & Face ID biometrics based on the mobile operating system technology (available for mobile application users)
  - Tamper proof biometrics options for face recognition
- **Transaction Signing:** Cryptographically signs transaction details to verify transaction integrity and authenticity to fight advanced financial malware attacks
- Orchestration framework for external authentication allows you to **Bring-Your-Own Authentication** methods such as tokens or FIDO compliant biometrics and passwordless authentication methods

All-in-One Integrated Fraud Prevention

The Outseer solution provides integrated fraud prevention and orchestration by enabling your organization to make risk-based decisions through the customer digital journey and across digital channels such as online and mobile, as well as physical channels such as call centers, IVR, ATM, branches, and more. By centralizing fraud management and insights from third party tools into Outseer Fraud Manager, you gain holistic visibility into your customers' digital interactions and transactions so you can better protect them from fraud. By leveraging our orchestration capabilities and advanced machine learning analytics, Outseer Fraud Manager will help you:

- Increase fraud detection rates in all customer digital interactions without adding friction
- Optimize existing investments in anti-fraud tools
- Increase your customer loyalty and trust, leading to higher revenue

Outseer Fraud Manager leverages its heritage as a pioneer in science-driven innovation to support fraud prevention solutions that give you the foresight to confidently accelerate your business.

Outseer Fraud Manager™ will help you:

Sources:

1. Disclosed Data Breaches | **Security Magazine**

About Outseer

Outseer is on a mission to liberate the world from transactional fraud. Our market-leading payment and account monitoring solutions protect over $200 billion in annual payments while increasing revenue and reducing customer friction for card issuing banks, payment processors, and merchants worldwide. Leveraging billions of annual transactions from more than 6,000 institutions across the globe, our identity-based science delivers the highest fraud detection rates and lowest customer intervention in the industry. See what others can't at outseer.com.

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