

**Online Payment Fraud Detection Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Solution (Fraud Analytics, Authentication, Reporting & Visualization), By Mode (E-payment, Mobile payment, Card payment), By Region, and By Competition, 2020-2030F**

Market Report | 2025-12-09 | 185 pages | TechSci Research

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**Report description:**

**Market Overview**

The Global Online Payment Fraud Detection Market will grow from USD 9.02 Billion in 2024 to USD 21.75 Billion by 2030 at a 15.80% CAGR. The Global Online Payment Fraud Detection Market encompasses technologies and services designed to identify, prevent, and mitigate fraudulent activities within electronic financial transactions. Primary growth drivers supporting this market include the continuous global expansion of e-commerce adoption and digital payment methods, which inherently increases the volume of online transactions susceptible to fraud.

**Key Market Drivers**

The online payment fraud detection market is primarily driven by the continuously increasing volume of digital transactions and the expansion of e-commerce. As global commerce increasingly shifts to online platforms, the sheer number of financial interactions creates a larger attack surface for fraudsters, necessitating advanced protective measures. According to Forbes Advisor, in March 2024, e-commerce sales were expected to grow 8.8% in 2024, demonstrating the sustained digital migration of economic activity. This extensive growth in digital transactions directly correlates with a heightened demand for robust fraud detection solutions to monitor and secure these burgeoning payment flows.

**Key Market Challenges**

The persistent need for continuous innovation in detection methodologies directly impedes the growth of the Global Online Payment Fraud Detection Market. As fraudsters rapidly evolve their techniques and deploy advanced tools, payment fraud detection solution providers face considerable pressure to constantly develop and update their systems. This continuous development cycle demands substantial investment in research and development, increasing operational costs and diverting

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resources. The inherent delay in delivering new countermeasures against emerging threats can render existing solutions less effective, potentially eroding confidence in the market's ability to provide comprehensive and lasting protection.

#### Key Market Trends

The market is experiencing an accelerated integration of AI and machine learning into fraud detection, fundamentally transforming capabilities by enabling systems to analyze vast transactional data and identify complex, evolving fraud patterns with superior accuracy. This technological shift facilitates proactive defense mechanisms over traditional reactive approaches. According to the Association of Certified Fraud Examiners (ACFE), in February 2024, 83% of organizations were expected to implement generative AI in their anti-fraud programs by 2026, demonstrating significant industry commitment.

#### Key Market Players

- Kount, Inc.
- Pindrop Security
- Whitepages Inc.
- Visa Inc.
- ClearSale LLC
- Imperva, Inc.
- Accertify Inc.
- PayPal Holdings, Inc.
- Sift Science, Inc.
- F5, Inc.

#### Report Scope:

In this report, the Global Online Payment Fraud Detection Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

##### - Online Payment Fraud Detection Market, By Solution:

- o Fraud Analytics
- o Authentication
- o Reporting & Visualization

##### - Online Payment Fraud Detection Market, By Mode:

- o E-payment
- o Mobile payment
- o Card payment

##### - Online Payment Fraud Detection Market, By Region:

- o North America
  - United States
  - Canada
  - Mexico
- o Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- o South America
  - Brazil
  - Argentina
  - Colombia
- o Middle East & Africa
  - South Africa

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- Saudi Arabia
- UAE
- o Asia Pacific
- China
- India
- Japan
- Australia
- South Korea

#### Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Online Payment Fraud Detection Market.

#### Available Customizations:

Global Online Payment Fraud Detection Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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