Enhancing Digital Trust: How a Digital-First NBFC Strengthened Cybersecurity and Regulatory Compliance with Invinsense

About the Customer

This digital-first NBFC offers a comprehensive suite of financial services, including personal loans, credit lines, and insurance products, primarily through its mobile application. With a mission to provide accessible and convenient financial solutions, the company serves a diverse customer base across India. Its operations are regulated by the Reserve Bank of India (RBI) and adhere to national cybersecurity standards.

Industry	Non-Banking Financial Company (NBFC)
Challenge	Securing digital lending platforms and ensuring compliance with Indian financial regulations
Solutions Used	Invinsense XDR, XDR+, OXDR, GSOS

The Challenge

As the NBFC expanded its digital footprint, it encountered several cybersecurity and compliance challenges:

API and web application vulnerabilities exposing customer data and financial transactions	Credential stuffing and phishing attacks targeting user accounts	Limited visibility across multi-cloud environments and third-party integrations
Compliance requirements under RBI guidelines and CERT-IN directives	Inefficient vulnerability management leading to prolonged exposure periods	Risk of fraud through unauthorized access and data manipulation

The Invinsense Solution

To address these challenges, the NBFC implemented a comprehensive suite of Invinsense solutions, enhancing its cybersecurity posture and ensuring regulatory compliance.

Invinsense XDR: Comprehensive Threat Detection Across Digital Platforms

Invinsense XDR provided centralized monitoring and analytics across the NBFC's digital lending applications and internal systems.

Key Results:

- 72% faster detection of unauthorized access attempts
- Immediate identification of anomalous activities in loan processing modules
- Prevention of API scraping targeting financial calculators
- Enhanced visibility into security events across critical workflows

Invinsense OXDR + CTEM: Proactive Exposure Management

The integration of OXDR and Continuous Threat Exposure Management (CTEM) enabled the NBFC to proactively identify and remediate vulnerabilities.

Scoping	• Identified over 4,800 assets, including loan processing systems and customer-facing APIs
Discovery	• Detected 180+ exposed endpoints and storage misconfigurations
Prioritization	• Assessed risks based on potential impact on financial operations and regulatory compliance
Validation	• Simulated attacks on critical systems to validate security controls
Mobilization	• Coordinated cross-functional teams to remediate 85% of identified exposures within 30 days

Key Result

- 72% faster detection of unauthorized access attempts
- 4.1x improvement in vulnerability remediation timelines
- 89% alignment with RBI and CERT-IN cybersecurity frameworks
- 6.2x increase in early threat identification through deception technology

Executive Insight

"Implementing Invinsense solutions has significantly strengthened our cybersecurity infrastructure, ensuring the safety of our digital platforms and compliance with regulatory standards."

— Chief Information Security Officer, Digital NBFC

CTEM Outcome:

- 4.1x improvement in vulnerability remediation timelines
- 68% reduction in misconfigurations across digital platforms
- Streamlined vulnerability management processes

Invinsense XDR+: Advanced Threat Detection

Invinsense XDR+ deployed deception technologies to detect and respond to sophisticated threats.

Outcomes:

6.2x increase in early-stage threat identification	Identification of insider threats and unauthorized data access attempts	Deployment of decoy systems to lure and analyze malicious activities	Reduction in false positives, enhancing incident response efficiency

Invinsense GSOS: Ensuring Regulatory Compliance

With stringent regulatory requirements, including those from the RBI and CERT-IN, GSOS facilitated continuous compliance monitoring and reporting.

Compliance Outcomes:

Achieved 89% alignment with regulatory cybersecurity frameworks	Automated compliance reporting, reducing manual efforts by 60%	Maintained audit readiness across all digital operations

Quantifiable Impact

Category	Improvement
Detection of Unauthorized Access	↑ 72% faster
Vulnerability Remediation Timelines	↑ 4.1x improvement
Regulatory Compliance Alignment	↑ 89%
Early Threat Identification	↑ 6.2x increase
Efficiency in Incident Response	↑ Enhanced through reduced false positives

Conclusion

By leveraging Invinsense's comprehensive cybersecurity solutions, the NBFC has fortified its digital infrastructure, ensuring secure and compliant operations in its mission to provide accessible financial services across India.

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About Infopercept - Infopercept is one of the fastest growing comprehensive cybersecurity companies in India, serving global clients. It provides platform led managed security services that covers all areas of cybersecurity, including defensive, offensive, detection and response, and security compliance. Infopercept has its own cybersecurity platform, 'Invinsense,' which integrates tools such as SIEM, SOAR, EDR, deception, offensive security, and compliance tools. Its cybersecurity and MDR services include dedicated teams of experts, ensuring that organizations have 24x7 cybersecurity operations support.

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