



Session date

Session subject

**Enterprise Risk Management:
Integrating Cybersecurity**



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Agenda



01 Identify Key Cybersecurity Risks

02 Assess Data Protection Strategies

03 Develop Response Plans Effectively

04 Integrate Risk Frameworks Seamlessly

05 Measure Compliance and Performance

06 Foster Organizational Awareness Culture

Introduction to Risk Management Importance



Risk Assessment

Identify potential threats to the organization's assets and operations.

Policy Framework

Establish comprehensive policies for risk management and response strategies.

Employee Training

Conduct regular training sessions to enhance cybersecurity awareness among staff.

Data Encryption

Implement encryption protocols to protect sensitive data both at rest and in transit.

Incident Response

Develop and test an incident response plan to ensure rapid recovery from breaches.

Continuous Monitoring

Regularly review and update risk management practices to address new threats.

Agenda Overview and Key Topics

Risk Assessment

Identify and evaluate potential cybersecurity threats and vulnerabilities.

Incident Response

Develop and test response plans for cybersecurity incidents and breaches.

Technology Solutions

Adopt advanced tools for monitoring and mitigating cyber threats.

Regular Audits

Conduct frequent assessments to ensure compliance and risk management effectiveness.

Compliance Framework

Implement frameworks that align with regulatory requirements for data protection.

Employee Training

Educate staff about data protection and cybersecurity best practices.

Third-Party Risks

Evaluate and manage risks associated with external vendors and partners.



01

Enhance

Strengthen security measures across all digital platforms and data.

02

Mitigate

Reduce risks through proactive threat identification and management.

03

Align

Ensure cybersecurity strategies align with business objectives and goals.

04

Educate

Provide regular training to employees on best security practices.

05

Monitor

Continuously assess systems for vulnerabilities and emerging threats.

Objectives of Cybersecurity Integration

Vision for Enterprise Risk Management



Vision

To establish a resilient framework for managing enterprise risks, focusing on cybersecurity and data protection.



Mission

To empower organizations to effectively mitigate risks while ensuring robust cybersecurity and comprehensive data protection strategies.



Values

Integrity, collaboration, accountability, and innovation in managing enterprise risk and protecting digital assets.

Understanding Current Threat Landscape

01

Threat Identification

Regularly assess and identify potential cybersecurity threats through comprehensive risk assessments, leveraging threat intelligence reports to stay ahead of emerging risks and vulnerabilities.

02

Incident Response

Develop and implement an incident response plan that outlines the steps to take in the event of a data breach, ensuring quick containment and communication with stakeholders.

03

Employee Training

Conduct ongoing cybersecurity awareness training for employees, focusing on identifying phishing attempts and other cyber threats to reduce human error in data protection efforts.



Identifying Key Cybersecurity Challenges



Key Points

Constantly evolving threats demand adaptive security measures.

Increased data exposure leads to higher breach risks.

Stricter regulations necessitate robust data protection strategies.

Lack of training increases vulnerability to cyber attacks.




Context Overview

01

Market Trends

Emerging technologies shape the future security landscape.

02

Regulatory Impacts

Changing laws influence enterprise risk management strategies.

03

Cultural Shifts

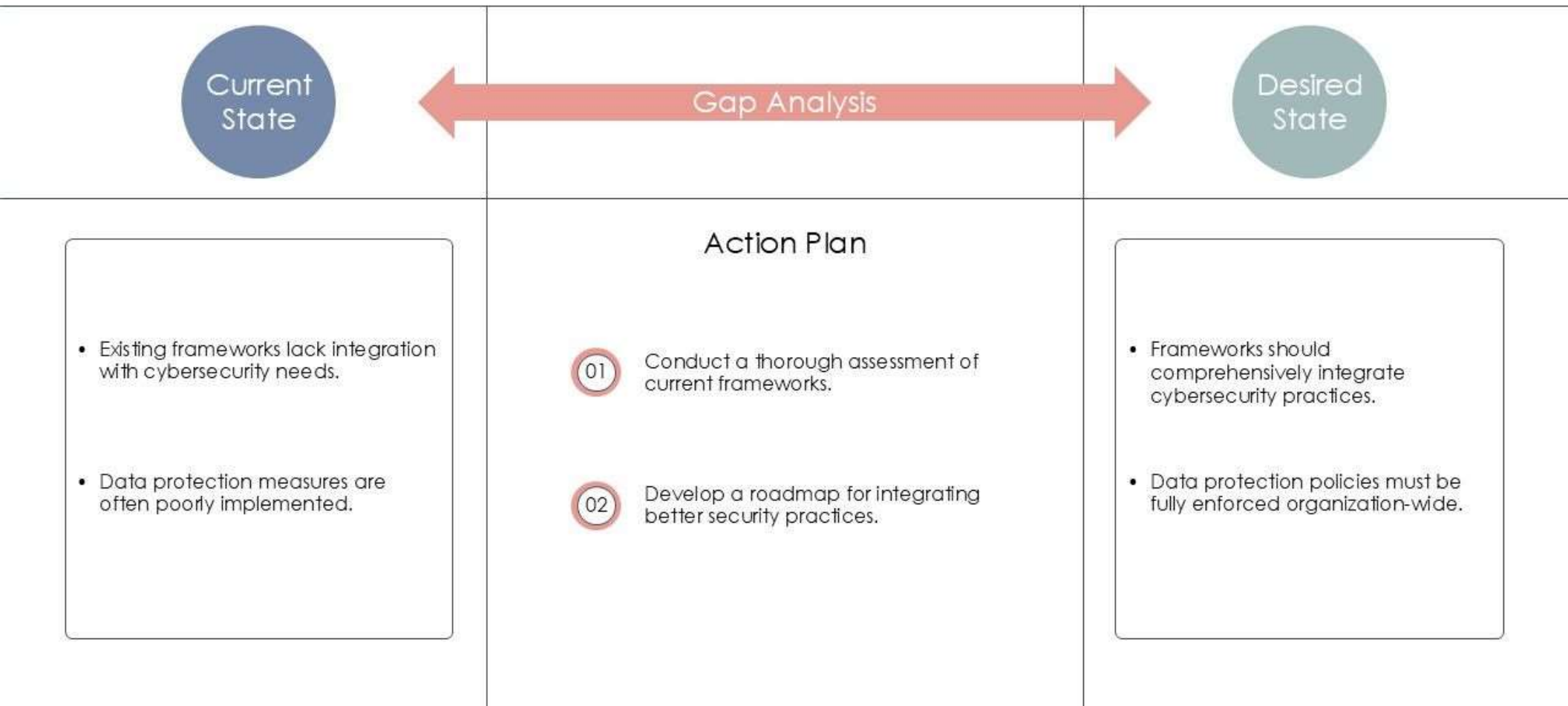
Growing emphasis on security-awareness throughout organizations.

04

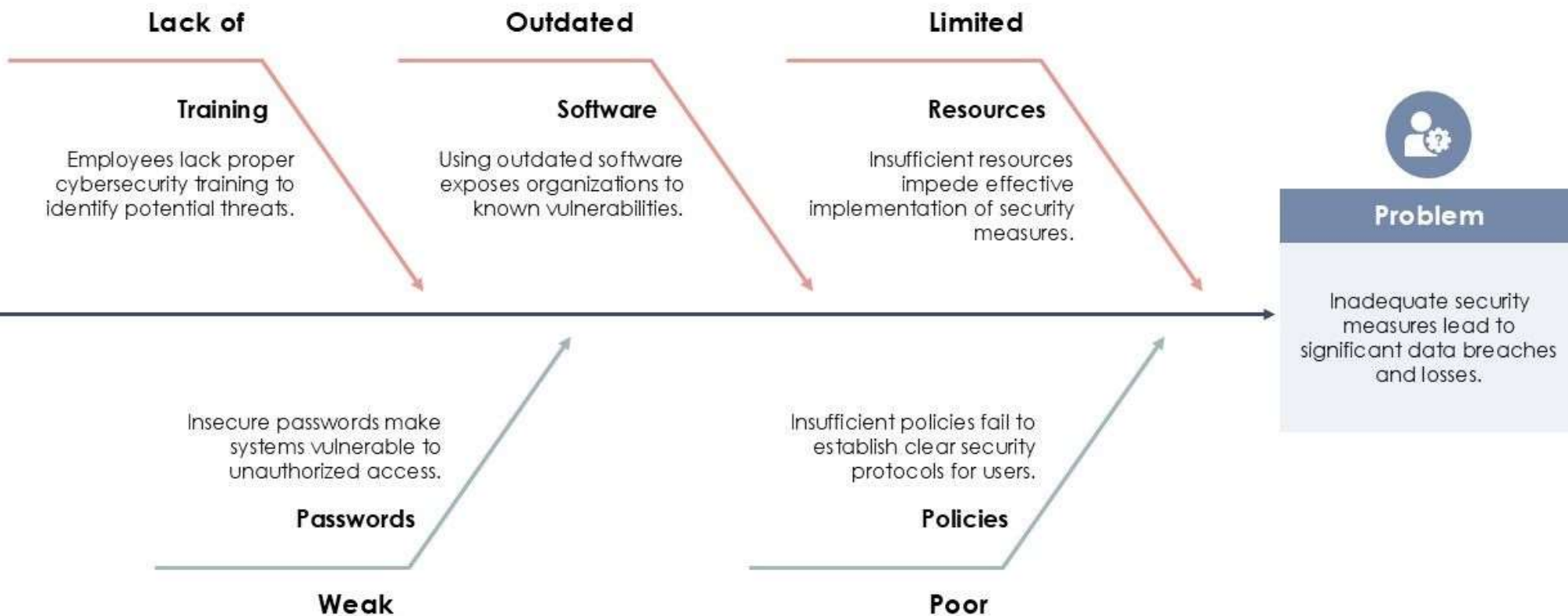
Technological Innovations

Advancements improve defenses against cyber threats.

Gap Analysis of Existing Frameworks



Root Cause of Cybersecurity Vulnerabilities



Multi-Faceted Risk Assessment Techniques



Identify Risks

Systematically recognize potential risks and vulnerabilities in the organization.



Mitigation Strategies

Develop actionable plans to prevent, reduce, or eliminate identified risks.



Evaluate Impacts

Analyze the potential impacts and consequences of identified risks thoroughly.



Compliance Check

Ensure adherence to regulatory requirements and industry standards for risk management.



Prioritize Risks

Rank risks based on their likelihood and potential severity for effective management.



Continuous Monitoring

Implement ongoing monitoring practices to detect changes in risk profiles and emerging threats.

Scenarios for Cyber Risk Impacts

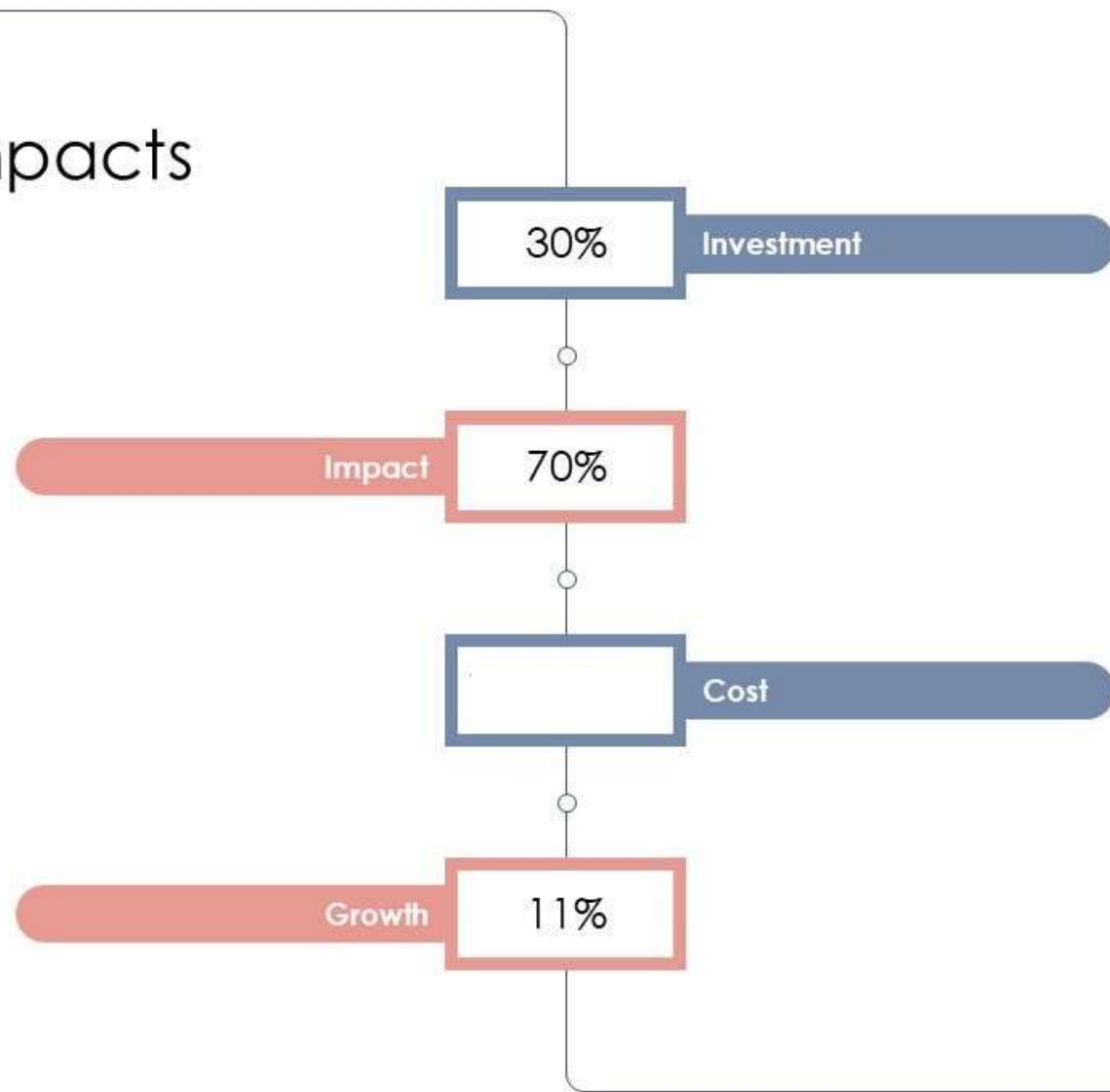
- 01 Cost**

Cyberattacks cost companies 1 million.
- 02 Growth**

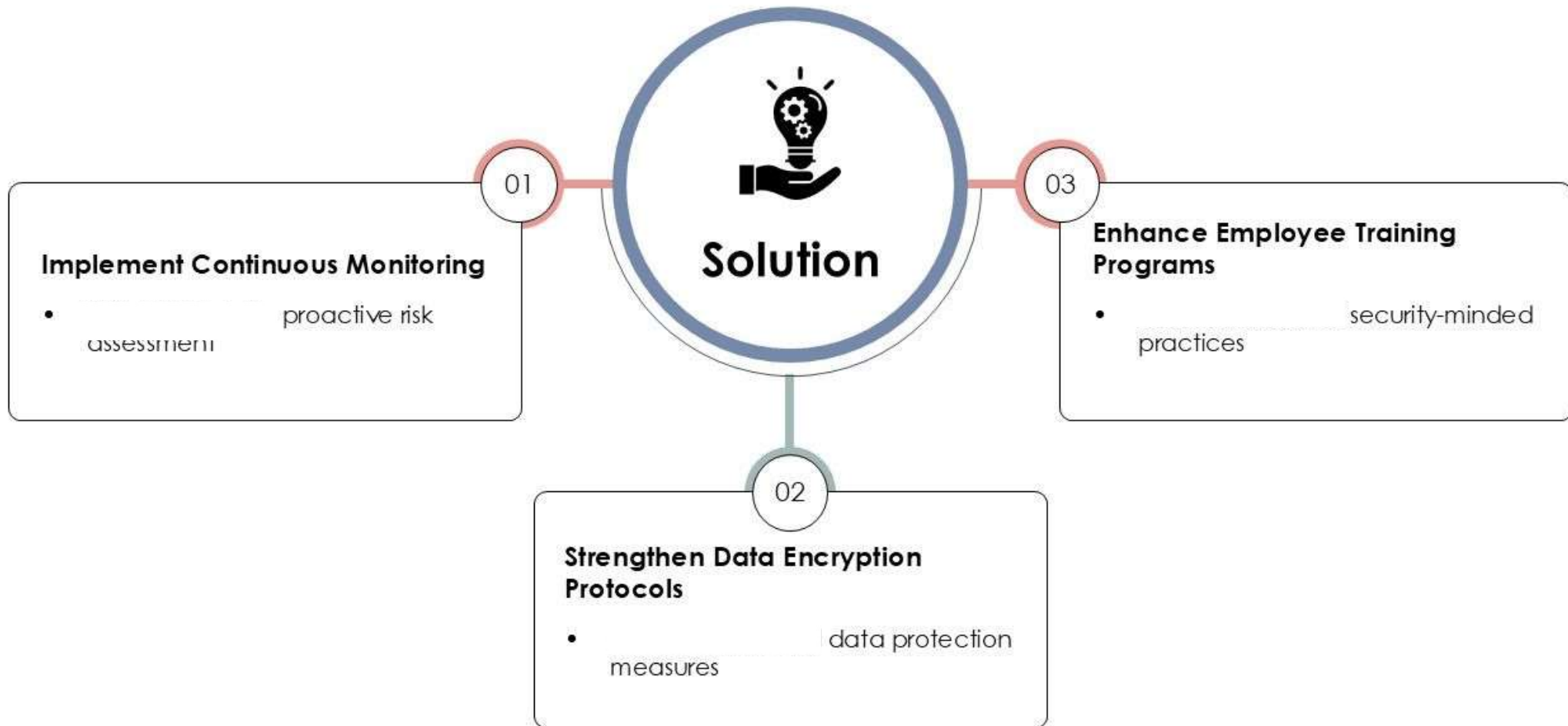
Data breach incidents grew by 11% in recent years.
- 03 Investment**

Businesses increased cybersecurity budgets by 30% annually.
- 04 Impact**

70% of small businesses suffer from cyber threats.



Strategic Solutions for Risk Mitigation



Value of Cybersecurity Investments

Costs

- 01 Initial setup and implementation costs
- 02 Ongoing maintenance and support fees
- 03 Training staff on security protocols
- 04 Potential costs from data breaches

Benefits

- 01 Reduced risk of data breaches
- 02 Enhanced customer trust and loyalty
- 03 Improved compliance with regulations
- 04 Greater operational resilience and recovery

Competitive Landscape in Cybersecurity

	Market Share	Growth Rate	Impact
Major Players	40%	10%	High risk of breaches
Emerging Threats	15+	25%	Increasing focus on cloud security
Investment Trends	25%	15%	Cybersecurity spending up significantly
Regulatory Changes	5+	30%	Stricter compliance required annually

Core Findings

01

Market Dominance

Top three firms cover 60% of sales.

02

Rising Threats

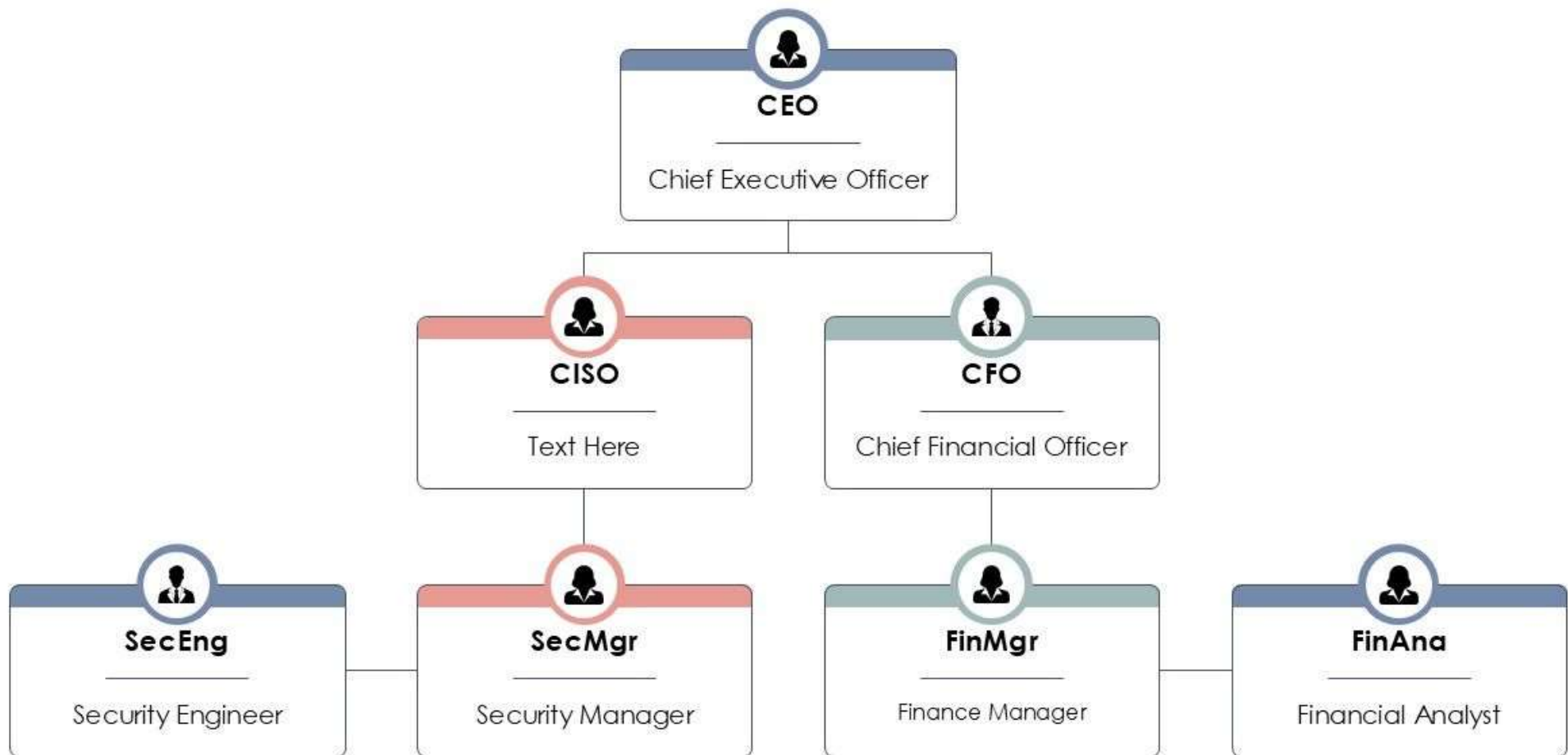
Phishing attacks rose 45% in 2023.

03

Regulatory Updates

New laws increase compliance costs for all.

Understanding Stakeholder Responsibilities



Emerging Market Trends in Cybersecurity



01

AI Usage

Leveraging artificial intelligence for threat detection and response.

02

Zero Trust

Implementing zero trust architecture to enhance security posture.

03

Risk Management

Integrating risk management frameworks for cybersecurity strategies.

04

Data Privacy

Adopting robust data privacy protocols to comply with regulations.

05

Cloud Security

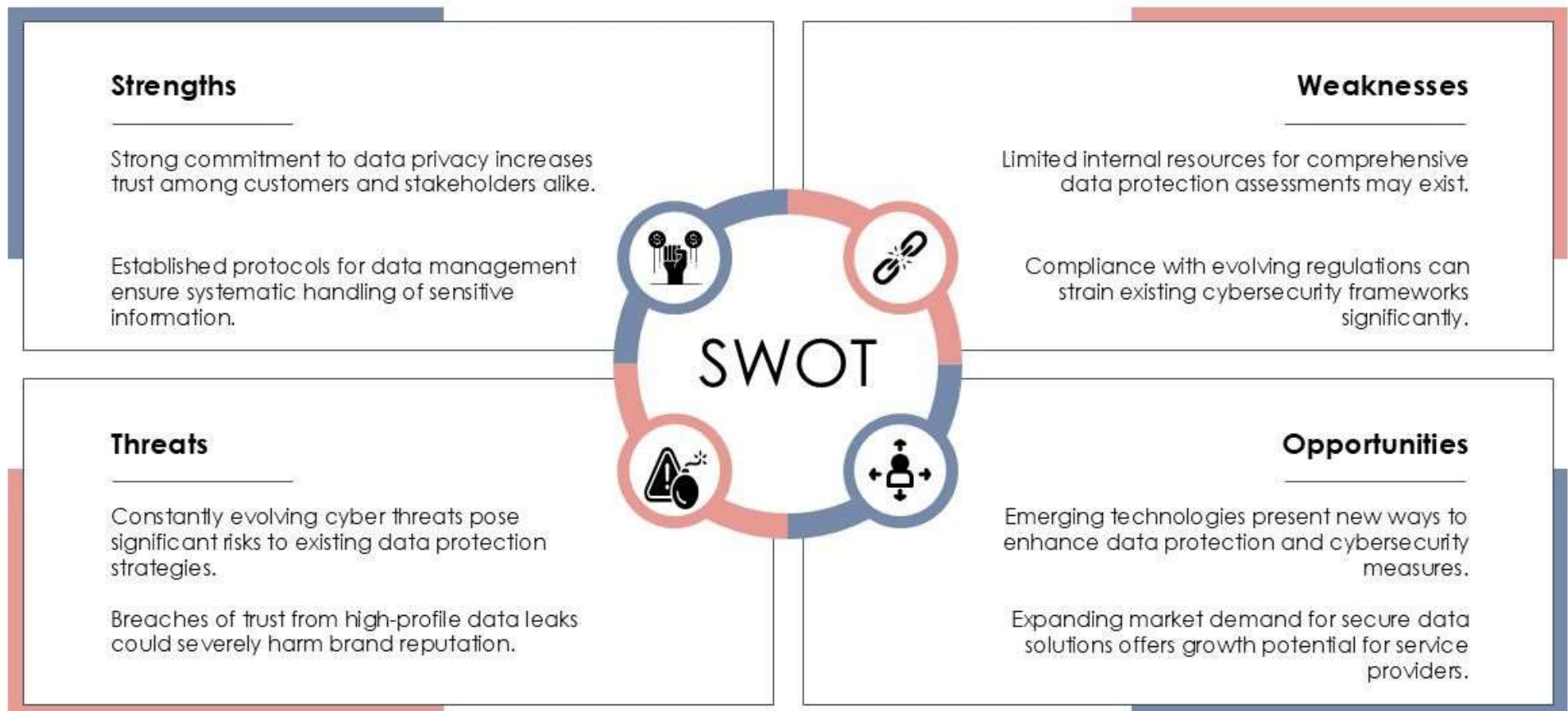
Enhancing security measures for cloud-based applications and services.

06

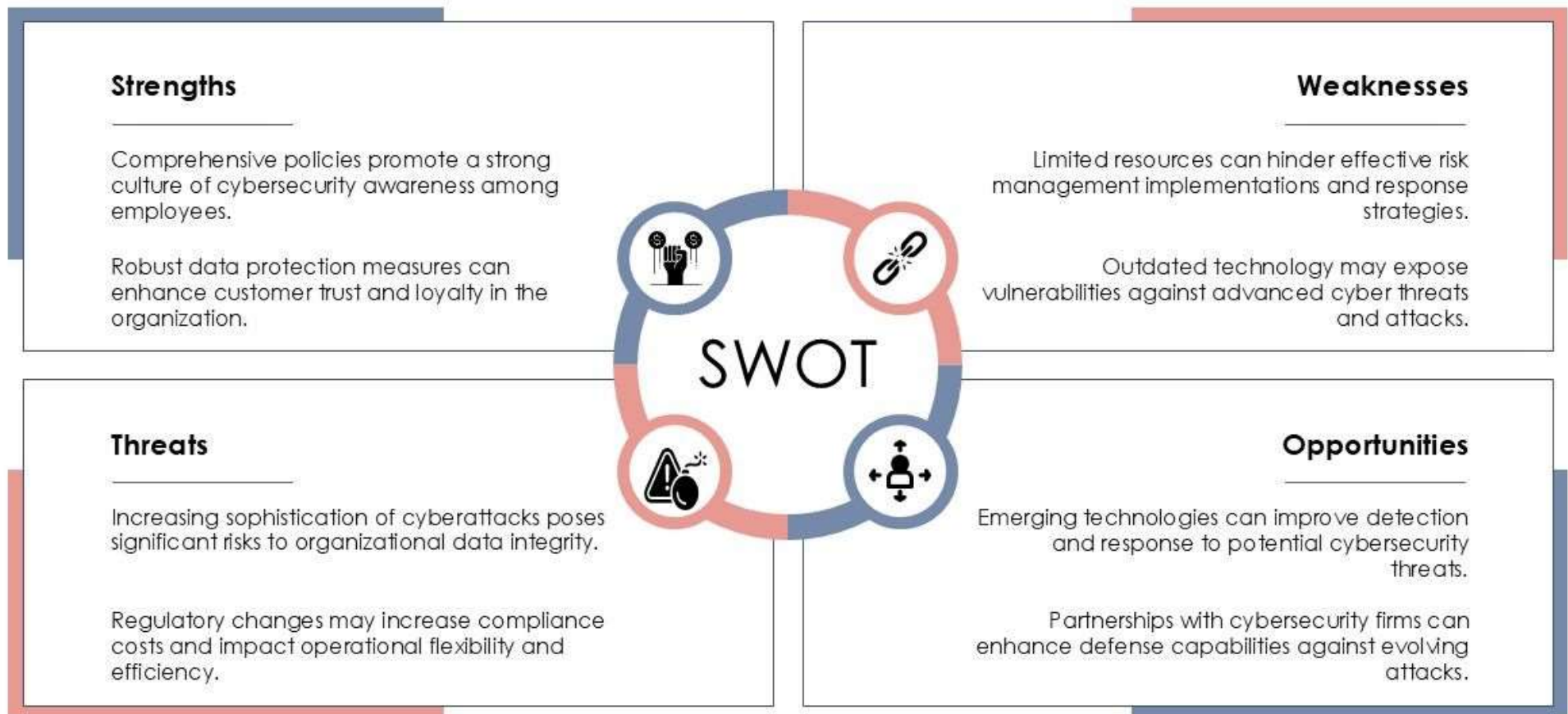
Incident Response

Establishing incident response plans for swift breach mitigation.

Analyzing Customer Data Protection Needs



SWOT Analysis of Current Strategies



Pros and Cons of Cybersecurity Approaches



Pros

Enhanced Security

Improved safeguarding of sensitive data against cyber threats and breaches.

01

Regulatory Compliance

Assists organizations in meeting legal and industry-specific compliance requirements.

02

Risk Mitigation

Proactively reduces potential risks and vulnerabilities in the IT infrastructure.

03



Cons

High Costs

Implementing strong cybersecurity measures can be financially burdensome for many organizations.

01

Complex Integration

Integrating cybersecurity with existing systems may lead to operational challenges.

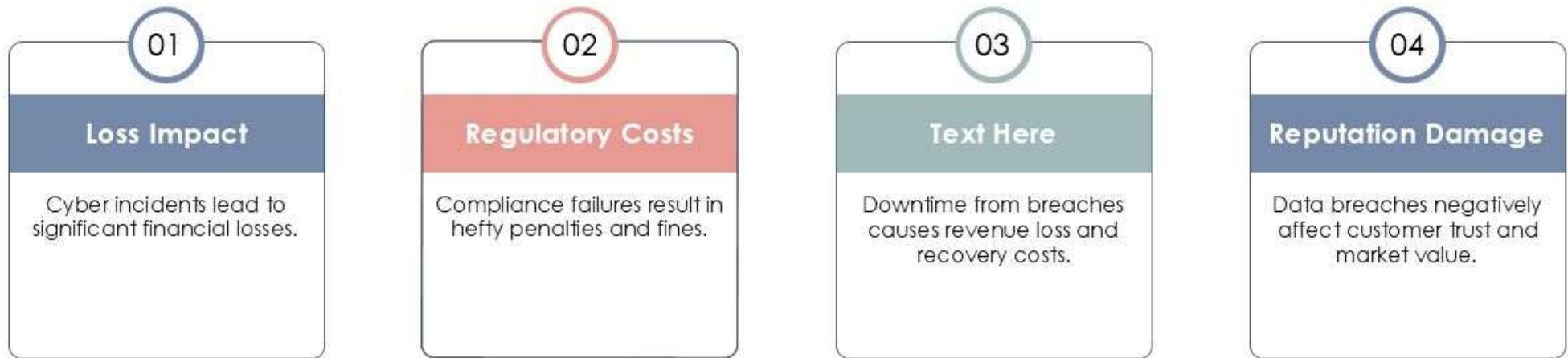
02

False Sense of Security

Over-reliance on cybersecurity tools may overlook human factors in risk management.

03

Financial Implications of Cyber Risks



Resource Allocation for Cybersecurity

	Date	Date	Date	Date	Date
Budget Allocation					
Cyber Risk Assessment					
Training Programs					
Incident Response Plan					

Insights

01

Budget Growth

Cybersecurity budget increased by 50% since 2021.

02

Training Importance

Employee training reduces breaches by up to 80%.

03

Incident Response

Effective plans minimize damages significantly post-incident.

Data-Driven Decision Making Techniques

01

Data Analysis

Utilize analytical tools to process large volumes of data for better risk assessment outcomes.

02

Predictive Modeling

Implement predictive models to forecast potential cybersecurity threats and prioritize responses accordingly.

03

Risk Metrics

Establish clear metrics to measure cybersecurity effectiveness and guide data protection strategies.

04

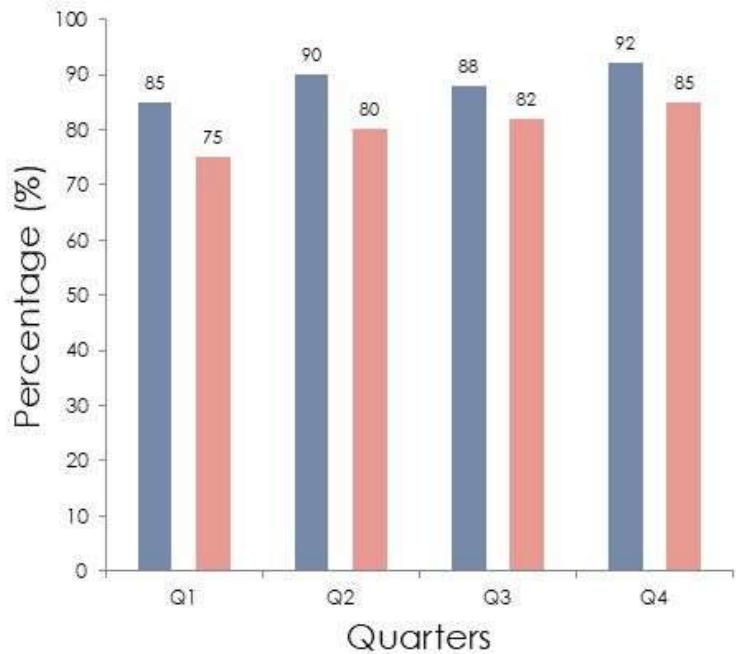
Continuous Monitoring

Adopt continuous monitoring systems to collect data in real-time for prompt decision-making.

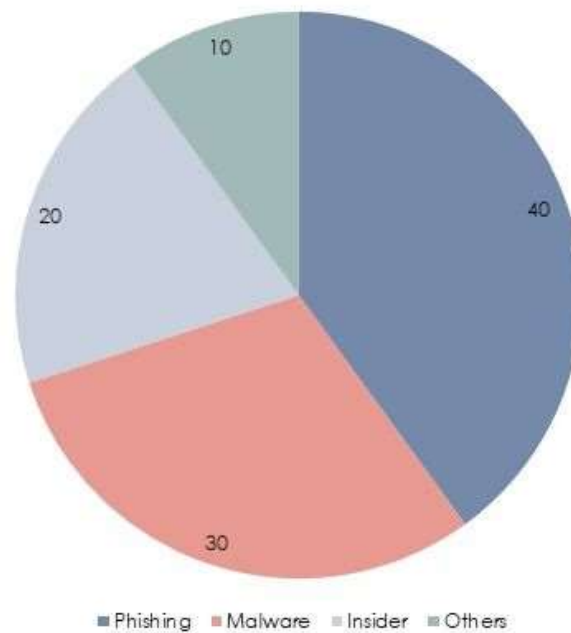


Key Performance Indicators for Cybersecurity

Cybersecurity Performance Metrics



Distribution of Threat Sources



Detection Rate

95%



Breach Count

5



Response Time

1 hr



User Training

100%



Detailed Budget and Cost Planning

	2023	2024	2025	2026	Total	Variance
Projected Costs						
Risk Mitigation						
Resource Allocation						
Compliance Expenditures						

Highlights

01

Cost Growth

Projected costs rise by 25% annually.

02

Risk Focus


40% of budget goes to risk management.

03

Compliance Costs

Compliance expenditures double by 2026.

Implementation Strategies for Solutions

	Action Steps	Timeline	Impact	Status
Risk Assessment	Identify potential threats		Improved threat awareness	
Policy Development	Draft security policies		Clear protocol guidelines	
Training Program	Conduct staff training		Enhanced employee skills	
Incident Response	Develop response plan		Effective crisis management	

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Timelines for Risk Management Initiatives

T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Plan		■											
Execute							■						
Monitor			■										
Review					■								

Evaluating Success Metrics for Strategy

Incident Rate

15



Data Breaches

3



Compliance Score

94

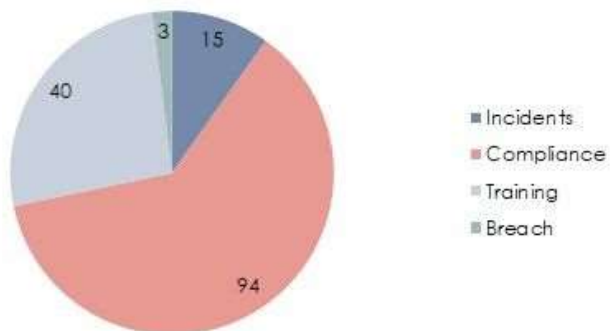


Training Hours

40



Cybersecurity Metrics Overview



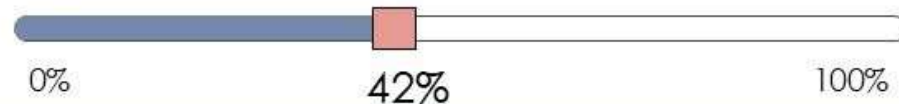
Overall Risk Management Score



KPI Achievement Progress



Risk Assessment Progress



Communication Strategy for Stakeholders

Stakeholder Engagement

Facilitate discussions to gather feedback and assess concerns proactively.

Clear Language

Use straightforward terminology to ensure all stakeholders understand risks.

Regular Updates

Provide frequent information on cybersecurity initiatives and changes.

Reporting Metrics

Share quantifiable outcomes related to cybersecurity and data protection.



Preparing for Legal and Compliance Issues

01

Data Privacy

Implement robust data protection policies to ensure compliance with relevant privacy regulations and standards.

02

Incident Response

Develop a clear incident response plan to address legal repercussions following a data breach or security incident.

03

Employee Training

Regularly train employees on compliance requirements and legal obligations related to cybersecurity and data protection.

04

Third-Party Risk

Evaluate and manage risks associated with third-party vendors to ensure their compliance with security standards and regulations.





Thank You!



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