

Data Loss Prevention for the Tolling Industry

International Bridge, Tunnel, and Turnpike Association (IBTTA)





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Introduction

- What is data loss prevention (DLP) and why is it important?
- What are the main sources and types of data loss?
- What are the consequences and costs of data loss?
- What are the best practices and solutions for data loss prevention?







Data Loss Sources and Types

Data types

- Personal data
- Financial data
- Operational data
- Transactional data



Jata loss scenarios

- Data breach
- Data corruption
- Data deletion
- Data theft
- Data leakage



External threats

- Cyberattacks
- Hacking
- Phishing
- Malware
- Ransomware



nternal threats

- Human error
- Negligence
- Insider threats
- Unauthorized access





Data Loss Consequences and Costs



Data Loss Consequences and Costs - Reputational damage

Loss of trust

Credibility

Consumer loyalty



Data Loss Consequences and Costs - Legal & Regulatory Risks

Fines

Penalties

Lawsuits

Compliance issues



Data Loss Consequences and Costs - Operational & Financial Impacts

Disruption of services

Loss of revenue

Increased costs

Recovery expenses



Data Loss Consequences and Costs - Competitive Disadvantages

Loss of market share

Innovation

Strategic opportunities







Data Classification Data Protection

Data Governance

Data Monitoring Data Awareness

Identify and categorize data according to its sensitivity and value

Data Classification

Crucial for effective data management

Ensures compliance with legal and regulatory requirements

Protects customer privacy and organizational data

Data Protection

Implement encryption, backup, and recovery solutions for data at rest, in transit, and in use

Limit access to sensitive data based on roles and responsibilities

Collect only the minimum necessary data

Define a Data Lifecycle Management process

Data Governance Establish policies, procedures, and roles for data access, usage, and retention

Develop a comprehensive data architecture that facilitates a smooth data flow across the systems

Implement and monitor a data governance framework

Define a Data Lifecycle Management process

Data Monitoring Deploy tools and systems for data visibility, auditing, and alerting

Continuous observation, checking, and analysis of data streams generated by tolling operations

Implement tools and processes for the continuous monitoring of systems

Can help maximize revenue, maintain system health, and enhance customer satisfaction

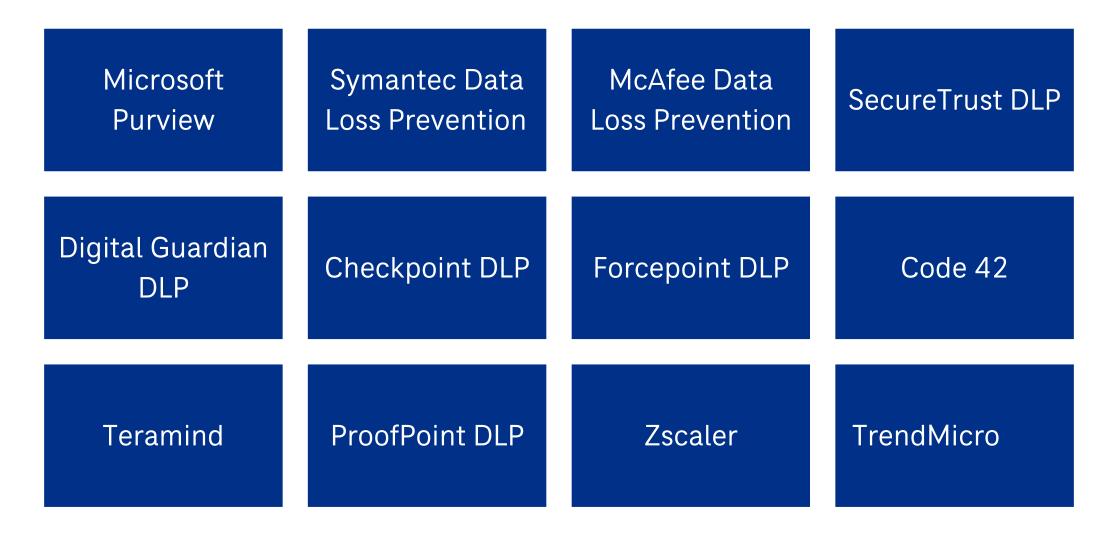
Data Awareness Educate and train staff and stakeholders on data security and privacy

Comprehensive understanding and strategic use of data

Establish clear data governance policies helps in managing data access, quality, and integrity

Engage with internal and external customers to provide insight

Examples of Data Loss Prevention Tools



Note: The speaker does not endorse or provide a recommendation for these tools.

Conclusion

- Data Loss Prevention is critical to your organization. Not protecting data can cause:
 - Loss of revenue
 - Reputational harm and loss of consumer confidence
 - Lawsuits and fines
- Implementation of the following data protection practices can protect data loss:
 - Encryption, access management, monitoring, etc.
 - Data classification and governance
 - Employee training and awareness
- There are companies, standards, and tools that can assist in development and implementation of a Data Loss Prevention program

Questions / Comments

