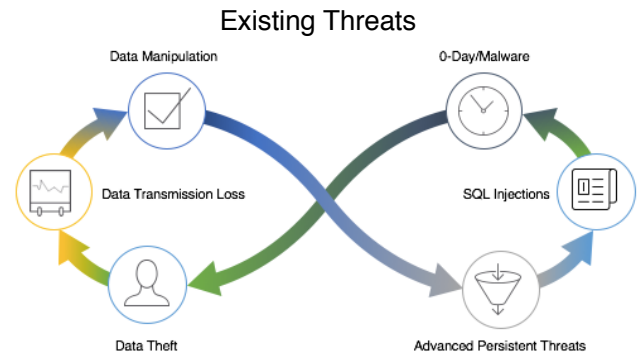**datiphy** ™
Know Your Data

COMBATING CYBER SECURITY THREATS IN TELCOMMUNICATIONS INDUSTRY

The telecommunications industry is the largest growth-sector in consuming customer sensitive data. The average telco/telecom company manages an upward of 300 million transactions per day; processes over 2 billion records; and manages hundreds of millions of customers worldwide.

The threat vectors of a telecom extends to on premise, the cloud, consumer mobile, enterprise communications (including BYODs), Internet-of-Things (IOTs), and smart cities.

Existing Threats

Data Manipulation · Data Transmission Loss · Data Theft · 0-Day/Malware · SQL Injections · Advanced Persistent Threats

The processing of customer data can be transmitted and received by millions of mobile devices and the types of data are extremely sensitive to the owners.
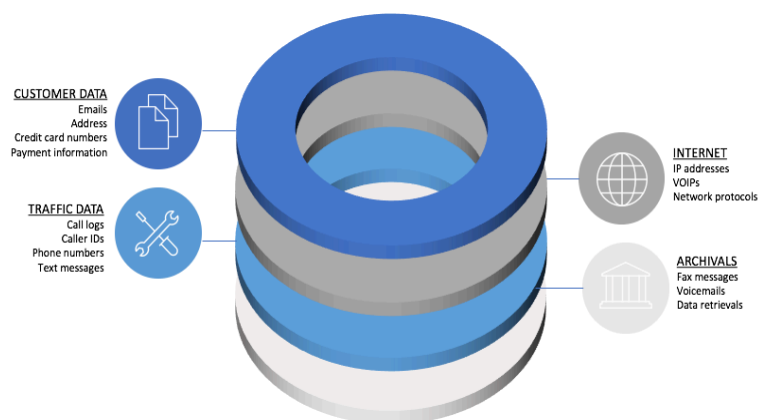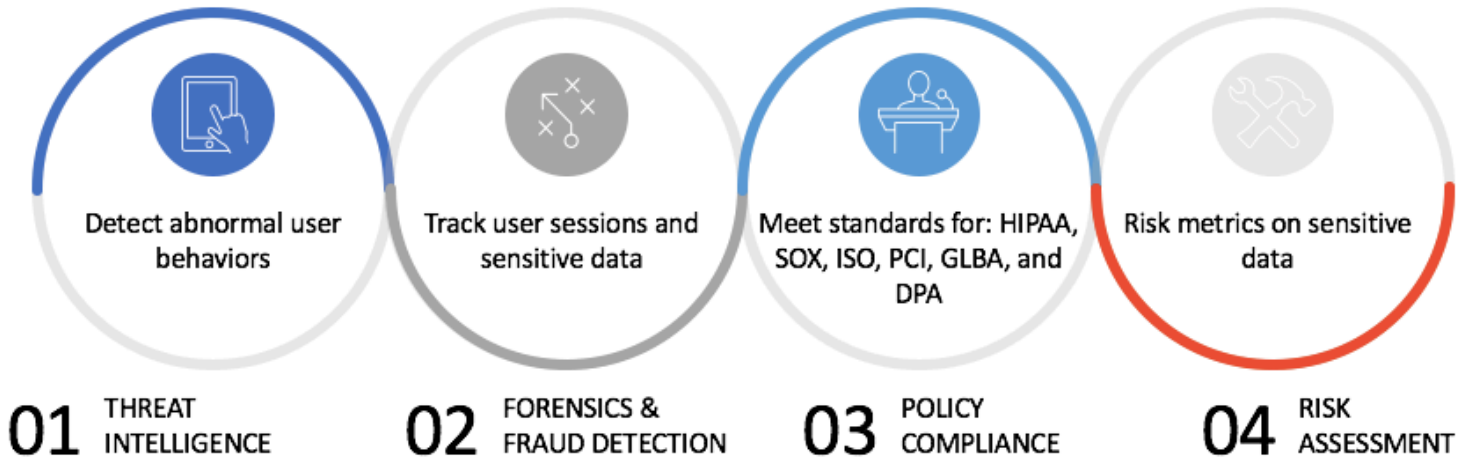
ANY DATA THEFT HAS AN IMMEDIATE IMPACT!

Mr. Gov't Official
Sensitive data is constantly transmitted

Caller ID · Processing Location Data · Telephone Numbers · Telephone Directories

Data Theft · Theft · Theft · Inert

Protection against critical and non-critical data from hackers and ensure customer privacy are the primary objectives of security in the telecommunications industry. Discovering and mitigating Advanced Persistent Threats (APT) and to combat against internal and external threats are regimented tasks.
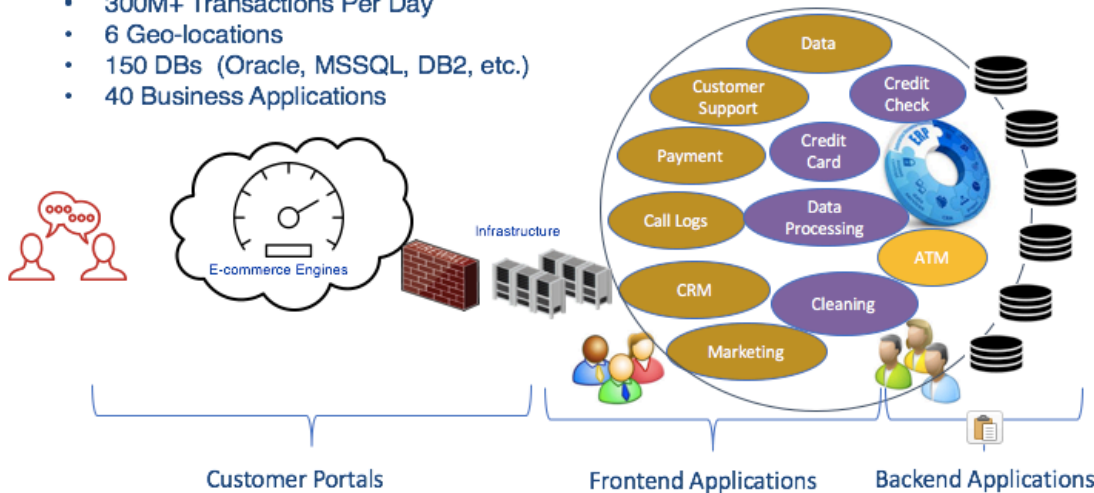
Expect hackers and malicious end-users to pine after sensitive data such as customer information, traffic data, internet data, and archival data.

CUSTOMER DATA
Emails
Address
Credit card numbers
Payment information

TRAFFIC DATA
Call logs
Caller IDs
Phone numbers
Text messages

INTERNET
IP addresses
VOIPs
Network protocols

ARCHIVALS
Fax messages
Voicemails
Data retrievals

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Know Your Data

datiphy™ Enterprise

01 THREAT INTELLIGENCE — Detect abnormal user behaviors

02 FORENSICS & FRAUD DETECTION — Track user sessions and sensitive data

03 POLICY COMPLIANCE — Meet standards for: HIPAA, SOX, ISO, PCI, GLBA, and DPA

04 RISK ASSESSMENT — Risk metrics on sensitive data

Telecommunications Environment and Deployments

- 300M+ Transactions Per Day
- 6 Geo-locations
- 150 DBs (Oracle, MSSQL, DB2, etc.)
- 40 Business Applications

Customer Portals   Frontend Applications   Backend Applications

Deploy Datiphy's host agents, network sniffers, and monitoring systems to provide risk assessment, policy compliance, forensics, and threat intelligence.

- *Front-line protection for all your sensitive data*
- *Database behavior analytics, data protection, risk assessment, policy compliance, and fraud analysis*
- *Shorter time to meet compliance and lowered cost*
- *Definable and measurable threat metrics for internal audits*