

# CyberSecurity – Data Protection

**Client: Large Financial Institution  
(Staff Augmentation Services)**

**EBUSINESS SOLUTIONS, INC.**

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## Problem Statement

Ensure clear ownership and appropriate data controls are in place for all data stores – Remediating and monitoring where necessary.

## Background

Cyber hacking across many organizations has resulted in malicious access to data resulting in serious financial losses and credibility impacts.

Scenario client being one of the largest financial institution in the world, Cybersecurity gaps left the organization vulnerable to external and internal data hacking. In addition, lack of reporting and clear visibility on overall compliance to regulators posed reputational and credibility risks.

## Key Drivers

Lack of data protection controls – inadequate data masking, encryption, retention policies and inconsistent classification of PI (Personal Information) data

## Approach

- Ensure DO (Data Owners) understand their accountability, PI (Personal information) classified according to regulatory and company's policies, Record retention policies are enforced
- Address ID Request and access provisioning gaps – tighten controls on access request, ID removal for non-utilization, deletion of aged and unused files, removal of PI from log files
- Evaluate required data security controls for data environments
- Remediate and monitor control deficiencies based on gap analysis

## Three Tenets

- Data in Transit Encryption – the inventory, assessment and encryption of all internal/external data transmissions
- Inventory and assessment of data at rest in both structured and unstructured environment
- The protection of PI / IP data at rest through encryption, masking and tokenization

## Deliverables

- Assessment of 1800 applications, flagged risk levels - low, med, high
- Opened breaks in Risk tools for the gaps, approximately 7000 remediation items created for TCO review
- Prioritized gaps in partnership with IO and AD Managers
- Remediated gaps working with Application Owner, Data Owner and Risk Manager.