**2017 Data Security in the U.K.**

Data breaches continue to increase, but rates have slowed. In 2017, 23% of U.K. enterprises experienced a data breach, compared to 25% in 2016.

While the number of data breaches has increased, the rate of data breaches has slowed. In 2017, 23% of U.K. enterprises experienced a data breach, compared to 25% in 2016.

**Good News:**
- **Encryption** is the top control needed to protect sensitive data.
- **BYOK** (Bring Your Own Key) capabilities are preferred for cloud and other advanced technology environments.
- **PaaS and IaaS** (Platform as a Service and Infrastructure as a Service) environments are being actively embraced.

**What To Do About It**

1. **Perform a Thorough Security Audit**
   - Conduct a comprehensive review of your organization's security practices.
   - Identify vulnerabilities and areas for improvement.
   - Develop a plan to address identified weaknesses.

2. **Implement Secure Device ID**
   - Use unique identifiers for devices to ensure they are trusted.
   - Implement strong authentication mechanisms.

3. **Don't Just Tick Off Compliance Requirements**
   - Focus on implementing effective controls rather than just checking boxes.
   - Ensure policies and procedures are aligned with best practices.

4. **Encrypt and Access Control**
   - Use encryption to protect data both at rest and in transit.
   - Implement strong access controls to limit data exposure.

**Risk Assessment and Data Security**

- **Data at Rest**: Secure data in databases, files, and other storage locations.
- **Data in Transit**: Protect data in motion across networks and devices.
- **Application Level Encryption**: Use encryption to protect data within applications.

**Encryption Needs to Move Beyond Laptops and Desktops**

- **Containers and IoT**: Implement encryption to protect data in these environments.
- **Legacy IT Security Models**: Consider cloud, big data, the Internet of Things (IoT), and other advanced technology environments.

**GDPR**

- **GDPR looms just over the horizon for enterprises**
- **Potential for crippling fines (up to 4% of global sales)**
- **U.K. Enterprises Understand that Encryption**
- **Enables Advanced Technology Adoption**
- **Data Privacy and Sovereignty Regulations**

**Encryption Adoption**

- **75%** U.K. enterprises understand that encryption is necessary to protect sensitive data.
- **31%** of enterprises use encryption, with a rate of the second lowest.

**Increased IT Security Spending**

- **2017 Data Security:**
  - **Advanced Technology Usage Escalates**
  - **GDPR**
  - **EVEN AS IT SECURITY SPENDING RATCHETS UP**

**2018 Data Security**

- **Increased Data Security:**
  - **Advanced Technology Environment**
  - **U.K. Rates of Sensitive Data Use by Sector**
  - **Sensitive Data Everywhere**

**Data Security with Encryption**

- **Legacy IT Security Models**
- **Cloud and SaaS**
- **Big Data**
- **IoT**

**Overall, the report highlights the importance of encryption in protecting sensitive data.**

*Clear, Cloud, Internet of Things (IoT), encryption, BYOK, PaaS, IaaS, containers, data breaches, GDPR, IT security spending, encryption, advanced technology environments.*