![eperi logo — Your Key to Cloud Data Protection]

PRESS RELEASE

Tokenization ensures secure test data generation

GDPR-Compliant Test Data Generation Available for the First Time

Pfungstadt, Germany. 18 July 2019 – Eperi, the specialist in cloud data protection, is launching a new solution for the secure and automated generation of test data. For the first time, companies are now able to use tokenization to desensitize data in databases and applications – consistently and across all of their systems. The test data generation function, which is part of the eperi Gateway, can be flexibly adapted to users' requirements.

With its pseudonymization solution, eperi is responding to a major software testing problem. When developers or application testers run tests on a program or database that contains customer data, they always have access to this information. Such access is a violation of data protection and compliance requirements, such as the GDPR and PCI-DSS. These rules stipulate that personal data must only be used for the purpose for which it was collected – and that does not include tests. Many companies get around this by using pseudo-entries in their test databases. However, this is a laborious and time-consuming job that requires significant financial resources – and even then, it often does not meet software engineers' changing requirements. The eperi test data generation solution solves this issue by automatically tokenizing the original data in real time.

Tokenization enables realistic test scenarios
Tokenization replaces the real values in sensitive data with random values that are formatted in the same way. Compared with conventionally encrypted data, tokenization differs in that it keeps the correct format that corresponds to the original data. This avoids errors during testing that are due to format inconsistencies. As a result, users can be sure they are complying with regulatory and compliance requirements all the time.

The generation of test data can be adapted to the needs of any company. Administrators can use the eperi solution to define which data counts as personal and must be tokenized. To work efficiently, they do not need to tokenize data that does not include any personal information.

Further advantages of the eperi solution:

- As a completely independent solution, it does not require any changes to the target applications
- It can tokenize individual values in files, applications, and databases
- It can create tokens as pronounceable character strings so that the replacement text is easier for users to use
- Complex token profiles, such as the Luhn algorithm for the correct generation of credit card numbers, are also included
- It enables users to adapt the token profile for each data column
- It enables users to save time by creating tokenization jobs that can be processed by several eperi Gateways simultaneously
- Jobs can be interrupted and resumed as required.

Elmar Eperiesi-Beck, founder and CEO of eperi, comments: "Tests using personal data in cloud-based applications are a nightmare for any data protection professional. Given that migration to the cloud is a preeminent goal for many companies and that cloud applications are becoming increasingly popular, this can expose businesses to potential financial risk. With eperi's anonymization and pseudonymization solution, they can be sure they are fulfilling all their legal and compliance-related requirements."

Further information about eperi test data generation is available here.

About eperi

eperi GmbH is a leading provider of cloud data protection solutions, and has 15 years of experience in the field of data encryption for web and SaaS applications. These solutions enable internal and external data protection and compliance requirements to be enforced at a centralized location, and ensuring that customers as cloud users are given sole control of all data protection processes. www.eperi.com

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