Making sure the right data is on hand for testing can be demanding.

A traditional approach replicates existing data from production systems and uses it in test environments. With GDPR and other privacy regulations in effect, this type of testing has become much riskier, especially where personal data is concerned. There are also many occasions where there is not yet a production system, and so no production data to use.

HCL OneTest Data generates mock data for testing environments and generates synthetic data sets without the risk of data leaks or privacy issues, all on demand.

With a powerful built-in API, testers can generate data in a number of different ways including the use of predefined datasets, data generation rules, or with custom data generation scripts for any environment.
Benefits

**Reduces Data Privacy Risks**
Avoids using real data and violation of data privacy

**Provides Comprehensive Test Data**
Creates all the volume and diversity of data required to cover any test scenario

**Increases Testing Efficiency**
Provides predefined data sets and real-time data generation for improved efficiency and accuracy

**Avoids Production System Intrusion**
Removes the need to extract real and potentially sensitive information

Capabilities

**Features an Open Modeling Mechanism**
Provides flexible methods to model the data you need including regular expressions, weighting and rules

**Powerfully Built-in API**
Explores, models, and generates data through REST-based APIs

**Flexible Generation File Formats**
Produces data in CSV, Excel, JSON, XML, text and binary formats

**Easily Seeds Sample Data**
Uses Excel or CSV reference files to upload sample data

**Invokes Data Generation in the CI/CD Pipeline**
Uses HCL UrbanCode Deploy or Jenkins for real-time automated data generation

**Publishes Data to Relational Databases**
Includes all databases that support JDBC