review.toolbox

Automate test report analysis with review.toolbox

Browser-based user interface

The **review.toolbox** provides interactive big data visualizations of the stored report and metadata. This allows one to explore and analyze correlations of the test operation and derive efficiency measures.

How it works

Test results from **test.guide** are automatically evaluated to create a fingerprint of patterns from failed test runs. This makes it possible to track and automate the handling of specific patterns.

Use cases

The **AutomaticReviewer** function is used to assign a master review to a fingerprint so that recurring patterns can be automatically re-evaluated.

The **defect pattern monitor** provides a dashboard for mapping defect patterns across projects. This enables both an overview of frequent defects and prioritization of capacity.

As a **framework**, the review.toolbox can be extended for any analysis use case, such as calculating KPIs for test bench utilization and test planning. Demos are available upon request.

Delivery options

An executable file (.exe) for Windows computers is provided for the first simple evaluations.

When executed, it starts a local server that runs visualizations in a web interface and handles data processing tasks.

For intensive and scalable use, a server-based solution can be run via Docker or Kubernetes.

File storage

- Data:
  - Is segmented thematically and stored in small partitions
- Location:
  - For local execution: on local storage
  - For server-based execution: on S3-compatible storage

System requirements

- Executable:
  - Windows >=10
- Docker:
  - Docker-Engine: >= 20.10.15
  - Kubernetes: >= v1.30
- Network: at least 100 Mbps
- Memory: at least 6 GB
- Officially supported web browsers:
  - Microsoft Edge version 84 or higher
  - Mozilla Firefox version 78 or higher
  - Google Chrome version 84 or higher
- Free disk space (**review.toolbox** application only):
  - 800 MB minimum (installation, configuration and log files)

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