ETAS MODEL-SIMULATOR V3.1

Release Notes

Copyright

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1. Product Definition

1.1. Functions at a glance

ETAS Cloud Services is a highly secured cloud-based platform, operated by ETAS, that comes with valuable services within a Software-as-a-Service Model. One of these services is a MODEL-SIMULATOR service, which enables massive parallelization of simulations.

Further use cases and functional overview is explained in brief in the User guide. Please refer section 2 of Model-Simulator User guide.

1.2. User Documentation

The MODEL-SIMULATOR user's documentation in PDF format can be accessed via Help in the GUI and is available in the Documentation folder in CLI zip package as well. They can be found in the ETAS Download center.

Go To ETAS Download Center

  Choose Product/Topic: Model-simulator

  Choose Type: Manual/Technical Documentation

  Click on User guides for Model-Simulator V3.1

1.3. General Description

1.3.1. System Prerequisites

Recommended screen resolution:

- 1920 x 1080 (Full HD)

Minimum Screen Resolution

- 1366 × 768 (Wide XGA, 100% zoom)

1.3.2. Software Prerequisites

Required firewall settings for general use:

- HTTPS traffic enabled (port TCP 443)

Required ECU-TEST Version:

- ECU-TEST 2023.2.3 / ecu.test 2024.2.3

Required VLAB version:

- VLAB V2.8.5/ V2.9.3

Required MOBI version:

- MOBI 5.0.1

Required COSYM version:

- COSYM V3.4 / V3.4.1

Web Browsers:
- Mozilla Firefox
- Google Chrome

1.3.3. Delivery

We deliver user credentials and a browser link to our services. All user documentation is accessible via the GUI and CLI zip. Further the CLI package is available for download through the ETAS Download Center.

Go To ETAS Download Center

Choose Product/Topic: Model-simulator

Choose Type: Software

Click on ETAS Model-Simulator CLI V2.1.0

1.3.4. Used 3rd Party Software

TraceTronic ECU-TEST license and VLAB license must be provided by user to be integrated into our services. Please contact our support for further instructions.

1.3.5. Open-Source Software

A detailed list of the used Open-Source Software can be found in the OSS attribution list, which can be accessed within the service. For the Model-Simulator UI, the attribution details can be found in the 'About section'. For the Model-Simulator CLI, the attribution details are packed along with the CLI zip and can be found under the 'Documentations' folder.

1.3.6. Installation

The Model-Simulator UI does not need any installation on a hardware device. It is accessed via a Web Browser. Please refer to section 3 of the Admin Guide for the initial setup and usage of the Model-Simulator UI. For the Model-Simulator CLI, please refer section 3 of the CLI user guide to know more on setting up the CLI.

1.3.7. Licensing

Three different types of services can be licensed:

F-00K-112-642	Basic Access to the services
F-00K-112-643	Simulation hour contingents
F-00K-112-644	Additional storage

2. Changes in Model-Simulator V3.1

This chapter describes changes with respect to the previous version of Model-Simulator V3.1

2.1. What's New

2.1.1. Supporting multiple versions with multiple tool chain combinations

- The Model-Simulator V3.1 now supports multiple versions of VLAB and ECUTEST, harnessing the capabilities of the Multi version feature offered by Model-Simulator. See section 2.4 of CLI user guide for the version information.

2.1.2. Pen test fixes

- With the commitment to continuously secure our Model-Simulator, we had a Penetration Testing conducted with some findings. With V3.1, we have fixed some of the findings.

2.1.3. Removal of Safety advice acceptance mandate from Model-Simulator CLI

- As per the latest Compliance and Risk Assessment of Model-Simulator, it is found that there are no risks of personal injury or property damage or any compliance issues regarding the customer's usage with a medium risk identified.

- For this case it's sufficient to only deliver the Safety Advice as part of the documentation package for example as PDF. An active confirmation by the user is not needed. A link from the software GUI to the Safety Advice as well as to the User Guide / Online Help is recommended.

- Therefore, the Safety advice related parameters shown below in the externalConfig.yml have been removed.

```
safetyadvice:
  suppress: true
  acknowledge: true
```

2.1.4. Compatible CLI version

Model-Simulator V3.1 is released with the CLI client V2.1.0

2.2. Compatibility to Earlier Releases

- The Model-Simulator V3.1 is compatible with Model-Simulator V3.0
- The old CLI V2.0.0 is compatible with the newly deployed V3.1 Model-Simulator. This means the user using the old CLI in his automated pipelines can continue to run his tests uninterrupted even after the deployment of V3.1.

2.3. Known Issues

This section describes the set of known problems of the released version of Model-Simulator V3.1

Issue ID	Issue description	Impact	Workaround
EMS-12029 EMS-9093	Exception during unzip of workspace	Sporadically the executor after downloading the workspace, trying to unzip it terminates with an exception.	Retrigger the failed runs
EMS-8949	Sporadic errors when deleting multiple campaigns in UI	When a huge list of campaigns is deleted from the UI, sporadically some of the campaigns are not deleted.	Retry the delete operation on those campaigns which were not deleted previously
EMS-13386	Campaigns getting into UNAVAILABLE state	When a huge list of campaigns is being deleted in the UI, parallel running of CI jobs may sporadically cause campaigns to get into unavailable state.	Retrigger the CI job or retrigger the upload of unavailable campaign
Internal bug	Download button is disabled in UI	In very rare cases, the results of the executed test run will not be available for download in the UI	The download of results is still possible through the CLI and in cases when it must be downloaded from UI, retrigger of the run is required

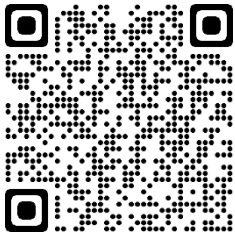## 2.4. Known Limitations

2.4.1. License management

The Model-Simulator V3.1 has a limitation with respect to managing runs executing more than the specified licenses. Currently, ECU-TEST and VLAB are the 3rd party tools that require license for their execution. If the number of licenses for these tools differ, then requesting a greater number of runs than the configured license for a 3rd party tool will conclude in unexpected results. The user must take care to manage his test executions in compliance with the available licenses.

3. Contact Information

3.1. Technical Support

For support and resolution of any issues you face when using the Model Simulator, you can contact ETAS MODEL-SIMULATOR Service Desk: ETAS MODEL-SIMULATOR Sevice Project

For details of your local sales office as well as your local technical support team and product hotlines, look at the website: www.etas.com/hotlines

3.2. ETAS Headquarters

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