

Riscure Inspector 2020.1 Release Notes

Date 23 April 2020

Modified behavior

Issue number	Description
INS-10510	Modified: Inspector no longer bundles Java API documentation, the user is referred to the Oracle website for online access or download options.
INS-10525	Modified: Matlab Import/Export modules are removed and replaced by instructions on how to directly use the Inspector Java API from within Matlab.
INS-10630	Modified: The Inspector launcher is updated to a 64-bit binary.
INS-10653	Modified: The serial communication library is changed to purejavacomm.
INS-10660	Modified: Renamed display of T-test module in chain from MultiStateTtest to TvlaTtest.
INS-10715	Modified: The user can now print <code>com.riscure.huracan.DeviceInfo</code> object for a quick overview of version details of a Huracan device.
INS-10510	Modified: Inspector no longer bundles Java API documentation, the user is referred to the Oracle website for online access or download options.

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New features

Issue number	Description
INS-7966	New feature: Added support for Linear Regression as method in First Order Analysis.
INS-9445	New feature: Added a Transceiver configuration panel to Inspector, allowing the user to tune Transceiver settings within the Inspector application. The use of the original Transceiver Linux VM becomes optional.
INS-10441	New feature: Inspector now uses Java 11. The JDK and JRE shipped with Inspector are also this Java version.
INS-10548	New feature: Huracan API extension for timing control on message sending/receiving.
INS-10608	New feature: Added support for SM2 ECDSA in First Order Analysis.
INS-10611	New feature: Huracan Java APIs now support regulated frame transmission (a response must be received before the next transmission occurs).
INS-10613	New feature: Triggering on incoming data frames to Huracan. Options: <ul style="list-style-type: none"> - Immediately after receiving the first bit of the packet (start bit) - Immediately receiving the ID of the packet and matching it with a mask - Immediately after receiving the payload and matching it with a mask - Immediately after the end of a packet, with and without matching

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INS-10677	New feature: An Inspector.bat has been added, which launches Inspector with run-time log message output that can be used to more easily debug.
INS-10700	New feature: For Matlab .trs support, an import/export library is now available on Riscure's GitHub (https://github.com/Riscure/java-trsfile).
INS-7966	New feature: Added support for Linear Regression as method in First Order Analysis.

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Performance improvements

Issue number	Description
INS-10545	Performance improvement: Updated the XML schema for leakages files to a structure which can be loaded more quickly. All leakages files bundled with Inspector have been updated to this new format, though backwards compatibility with the old format is maintained.

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Fixes

Issue number	Description
INS-9883	Fix: When doing Perturbation, it is possible that the returned data is shorter or longer than expected. When this occurs, a warning is printed in DataTraceBuilder. However, the warning format string is malformed (it says '(d%)' instead of '(%d)') which results in an exception being thrown. This is now fixed.
INS-10459	Fix: The following hardware device SDKs could cause Inspector to crash when starting: icWaves, VC Glitcher and Splitter. These are now are fixed.
INS-10575	Fix: For Huracan, a bug in setCanPortBaudRate() could trigger an IllegalArgumentException when calling this method. This is now fixed.
INS-10657	Fix : Corrected name information given in the Tutorial about the Spider Sequence Module in sections "Spider EMFI on Pinata board" and "Spider Vcc Fault Injection on Pinata board".
INS-10661	Fix: Several improvements/fixes with regard to controlling the DPSS laser sources.
INS-9883	Fix: When doing Perturbation, it is possible that the returned data is shorter or longer than expected. When this occurs, a warning is printed in DataTraceBuilder. However, the warning format string is malformed (it says '(d%)' instead of '(%d)') which results in an exception being thrown. This is now fixed.

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Questions and Support

- Please contact Riscure support If you experience problems or need help:

<https://support.riscure.com/>