TITAN 8.2.0 CHANGE LOG (RELATIVE TO 8.1.0)

2022-05-04

HIGHLIGHTS

- C++ compiler

- Bugfixes ([481](#), [576](#), [578](#), [579](#), [580](#), [581, 582](#), [583](#), [585](#), [586](#), [588](#), [592, 595, 597](#), [598](#), [599](#))
- Object Oriented features improvements ([533](#), [577, 596](#))
- Use of octetstring in LENGTHTO ([554](#))

- Eclipse Plug-ins

- Bugfixes ([404, 429](#), [432, 447](#), [448](#), [450, 461](#), [462, 465](#), [469, 475, 476](#))
- New documented limitation ([471](#))

- Eclipse IDE UI enhancements ([371](#), [442](#), [449, 451](#), [452](#), [453](#), [454](#), [457](#), [459](#), [460](#), [464](#), [466, 468](#))

- JSON default attributes upgraded ([416)](#)

- Use of octetstring in LENGTHTO ([419](#))

- Uplift minimum Java version from 1.6 to 1.8 ([463](#))

OBJECT ORIENTED FEATURES ENHANCEMENTS

› The aim is to fully support TTCN-3 Object oriented Language Extension v1.3.1 (Link to Standard) both in the compiler and the Eclipse Plug-Ins

› It is not yet done, however most changes are implemented.

› Full support for v1.3.1 is expected in next release

RAW ENCODER SUPPORTS BITSTRING IN LENGHTO TAG

› Bitstring is now supported in LENGTHTO tag of RAW encoder

LIMITATION - GOTO IS NOT SUPPORTED JAVA-BASED TITAN PROJECTS

› Unlike C/C++, Java does not have goto statement. This is a documented limitation of the Java compiler.

› Please consult Java Codegen Reference Guide, Chapter 2 for more information.

ECLIPSE IDE UI ENHANCEMENTS

› In Eclipse Plug-Ins there has been many enhancements recently aiming for implementing modern IDE features

- Syntax highlight based on semantic information
- Code peek in hover window
- Intelligent (context-sensitive) code completion proposals
- Bracket pair colorization
- TTCN-3 Documentation comment according to standard

UPLIFT MINIMUM JAVA VERSION FROM 1.6 TO 1.8

› From this release the minimum required java version of the Titan Eclipse Plug-Ins is 1.8