



Titan Executor API User Guide

Arpad Lovassy

Version 8.0.0, 2021-05-27

Table of Contents

1. Overview	2
2. Prerequisites	3
3. Install	4
4. Usage	5
5. Titan Executor API Demo	6
5.1. Install	6
5.2. Usage	6
6. Javadoc	7
6.1. Install	7
6.2. Usage	7

Abstract

This document describes detailed information of using the TITAN Executor API.

Copyright

Copyright (c) 2000-2021 Ericsson Telecom AB

All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v2.0 that accompanies this distribution and is available at <https://www.eclipse.org/org/documents/epl-2.0/EPL-2.0.html>.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson shall have no liability for any error or damage of any kind resulting from the use of this document.

Chapter 1. Overview

The Titan Executor API provides the following functionalities:

- execution control as in `mctr_gui`
- callback for host controller connecting events
- console log callback

It is implemented in Java using JNI calls to the C++ side, which is based on the implementation of `titan_eclipse` JNI executor. The Titan Executor API is independent from Eclipse.

Chapter 2. Prerequisites

- TITAN installed (*libmctrjninative.so* library file is in *TTCN3_DIR/lib*, and library path is in `LD_LIBRARY_PATH`)
- Java JRE 1.7 installed

Chapter 3. Install

Copy *lib/TITAN_Executor_API.jar* to your classpath.

Chapter 4. Usage

The entry point of the API is the `com.ericsson.titan.executor.api.JniExecutor`, and the client must implement `com.ericsson.titan.executor.api.IJniExecutorObserver` interface for the callbacks.

For further details see the Javadoc embedded in the project.

Chapter 5. Titan Executor API Demo

5.1. Install

Copy *TITAN_Executor_API_Demo.jar* and *lib/TITAN_Executor_API.jar* to any selected directory, so keep the directory structure, make sure, that *TITAN_Executor_API.jar* is in *lib/*, so it means, that Titan Executor API is in the classpath, which is defined in the manifest file of *TITAN_Executor_API_Demo.jar*.

5.2. Usage

To start the demo the following command must be used:

```
java -jar <install directory>/TITAN_Executor_API_Demo.jar
```


Chapter 6. Javadoc

6.1. Install

Extract javadoc directory from the zip file

6.2. Usage

Open *javadoc/index.html* from a browser.