

Prepared (Subject resp) EARPLOV Arpad Lovassy		No. 8/198 17-CRL 113 200/6 Uen		
Approved (Document resp) ETHLEL Elemer Lelik	Checked ETHGRY	Date 2018-05-16	Rev D	Reference

## Titan Executor API User Guide



### Abstract

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

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## 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.

## 2 Titan Executor API

### 2.1 Prerequisites

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

### 2.2 Install

copy `lib/TITAN_Executor_API.jar` to your classpath

### 2.3 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.

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### 3 Titan Executor API Demo

#### 3.1 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.

#### 3.2 Usage

To start the demo the following command must be used:

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

### 4 Javadoc

#### 4.1 Install

Extract javadoc directory from the zip file

#### 4.2 Usage

Open javadoc/index.html from a browser.