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| Approved (Document resp)<br>ETHLEL Elemer Lelik  | Checked<br>ETHGRY | Date<br>2018-05-16                | Rev<br>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.