*FOR:*

**Headstrong**

*CONTENT:*

Teevra TM

JMX API Description

*April 18, 2013*

L



**DISCLAIMER**

**This document contains confidential and proprietary information belonging to Headstrong Corporation and the same is distributed only in pursuance of and subject to the terms of the license agreement entered into with Headstrong Corporation. No part of this document may be copied, reproduced, distributed or disseminated in any form (electronic or otherwise) without the prior written permission of Headstrong Corporation. No intellectual property rights, copyright on the provided documents are conferred to the recipient. The disclosure of the information contained herein does not lead to the legal conferring or granting of rights, unless provision is expressly made for this.**

**Headstrong reserves all rights to make changes to the information described in this document at any time without notice and obligation to notify any person of such changes.**

**© 2009 Headstrong Corporation. All rights reserved.**

**Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Release Date | Author | Description of Change |
| 0.1 | 6-Jan-2009 | Headstrong | First draft |

**Reference Documents**

|  |
| --- |
| **Document Name** |
| None |

**TABLE OF CONTENTS**

[1 Teevra JMX 5](#_Toc245709540)

[1.1 Property reference 5](#_Toc245709541)

[2 Mbean operations reference 5](#_Toc245709542)

[2.1 registerProcess 5](#_Toc245709543)

[2.2 registerProcess 5](#_Toc245709544)

[2.3 updateProcess 5](#_Toc245709545)

[2.4 removeProcess 6](#_Toc245709546)

[2.5 startProcess 6](#_Toc245709547)

[2.6 stopProcess 6](#_Toc245709548)

[2.7 getProcesses 6](#_Toc245709549)

[2.8 scheduleProcess 6](#_Toc245709550)

# Teevra JMX

Teevra allows remote managing and monitoring control of server instance using JMX MBean.

## Property reference

|  |  |
| --- | --- |
| JMX URL | service:jmx:rmi:///jndi/rmi://<*host*>:<*port*>/jmxrmi |
| Domain | Fusion |
| Bean Type | ApplicationContext |
| Bean Name | Application Context |

# Mbean operations reference

## registerProcess

Registers process with the Teevra server.

**Parameters:**

1. **file** (byte []) : process definition byte array.

## registerProcess

Registers process with Teevra server.

**Parameters:**

1. **processDefition** (String) : Process definition XML.

## updateProcess

Updates the process definition for the process Id with new definition provided. Process will be stopped before updation if already running.

**Parameters:**

1. **processId** (String) : Process identifier.
2. **file** ( byte[] ) : process definition file byte array

## removeProcess

Removes the process from the Teevra server instance. Throws exception if the process is not registered with the server.

**Parameters:**

1. **processId** (java.lang.String) : Process identifier.

## startProcess

Starts the process on the Teevra server instance. Throws exception if process is already started or not registered with the system.

**Parameters:**

1. **processId** (String) : Process identifier.

## stopProcess

Stops the process running on the Teevra server instance. Throws exception if process is already stopped or not registered with the system.

**Parameters:**

1. **processId** (String) : Process identifier.

## getProcesses

Returns a list of process identifier registered with Teevra server instance.

**Returns:**

1. **processes** (List< String>) **:** A list of process identifiers registered with the Teevra server instance

## scheduleProcess

Creates process schedule on Teevra server instance. Throws exception is process is not registered with the server.

**Parameters:**

1. **processId** (String) **:**  Process Identifier
2. **activationDate** (java.util.Date) **:** Process schedule activation date.
3. **deActivationDate** (java.util.Date) **:** Process schedule de-activation date.
4. **stopTime** (Long) **:** Daily process stop time (Minutes from start of the day)
5. **cronExpression** (String) **:** Used to configure cron trigger for process start. It is made up of seven sub-expressions that describe individual details of the schedule. These sub-expression are separated with white-space, and represent:
6. Seconds
7. Minutes
8. Hours
9. Day-of-Month
10. Month
11. Day-of-Week
12. Year (optional field)