

Hi Prem,
Please follow the following steps in order to configure SAM server. let me know if have any questions or email to me my email id is ambothu.kumar@oss-scube.com. By using following steps I successfully configured SAM server in TAC.

Service Activity monitoring : Here, we have to install agent (By default, it come in Talend ESB/Run time installation) and server

Agent Config file : /opt/Talend-6.1.1/esb/container/etc/org.talend.esb.sam.agent.cfg

Here, we installed SAM in apache-tomcat server. For installing SAM server, we need to copy sam-server-war.war file from /opt/Talend-6.1.1/esb/add-ons/sam/sam-server-war.war to /opt/Talend-6.1.1/tac/apache-tomcat/webapps/ and then restart apache-tomcat server.

URL : http://<domain>:8080/sam-server-war/services/sam for access SAM server.

https://lh3.googleusercontent.com/MUpq_I6A272O25MEV8BQsFETm7GoEXfdhI9rzchwC2dZ9EgYddheCeN6Te3VtRdNQ4tG8dggpHFOFWopVdYkCiiaXGJGfHV_Q5WrReBMeXOtGB5ocoTcw4ET

Note 1: Before creating sam database we have to install datasource that we want to use for sam in runtime as follows.

i) Run talend runtime i.e. cd <TalendRuntime>/container/bin

ii) ./trun after executing this command it prompts Talend runtime.

iii) Execute following commands at talend runtime.

```
karaf> bundle:install mvn:mysql/mysql-connector-java/5.1.18(according to your database)
```

```
karaf>feature:install tesb-datasource-mysql
```

iv) Edit vi **/opt/Talend-6.1.1/esb/container/etc/org.talend.esb.datasource.mysql.cfg** File and data source details as follows.

```
datasource.url=jdbc:mysql://localhost:3306/sam
```

```
datasource.username=root
```

```
datasource.password=root
```

v) Restart Talend runtime.

Note 2: We have to install SAM database to log all the details of service activity monitoring.

i) We have to create following three tables in sam database .

```
CREATE TABLE `EVENTS` (  
  `ID` bigint(20) NOT NULL,  
  `EI_TIMESTAMP` datetime DEFAULT NULL,  
  `EI_EVENT_TYPE` varchar(255) DEFAULT NULL,  
  `ORIG_CUSTOM_ID` varchar(255) DEFAULT NULL,  
  `ORIG_PROCESS_ID` varchar(255) DEFAULT NULL,  
  `ORIG_HOSTNAME` varchar(128) DEFAULT NULL,  
  `ORIG_IP` varchar(64) DEFAULT NULL,  
  `ORIG_PRINCIPAL` varchar(255) DEFAULT NULL,  
  `MI_PORT_TYPE` varchar(255) DEFAULT NULL,  
  `MI_OPERATION_NAME` varchar(255) DEFAULT NULL,  
  `MI_MESSAGE_ID` varchar(255) DEFAULT NULL,  
  `MI_FLOW_ID` varchar(64) DEFAULT NULL,  
  `MI_TRANSPORT_TYPE` varchar(255) DEFAULT NULL,  
  `MESSAGE_CONTENT` longtext,  
  `CONTENT_CUT` tinyint(1) DEFAULT NULL,  
  PRIMARY KEY (`ID`),  
  KEY `EVENTS_TIMESTAMP` (`EI_TIMESTAMP`),  
  KEY `EVENTS_FLOW_TIMESTAMP` (`MI_FLOW_ID`,`EI_TIMESTAMP`),  
  KEY `EVENTS_MI_PORT_TYPE` (`MI_PORT_TYPE`)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;  
CREATE TABLE `EVENTS_CUSTOMINFO` (  
  `ID` bigint(20) NOT NULL,  
  `EVENT_ID` bigint(20) NOT NULL,  
  `CUST_KEY` varchar(255) DEFAULT NULL,  
  `CUST_VALUE` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`ID`),  
  KEY `EVENTS_CUSTOMINFO_EVENT_ID` (`EVENT_ID`)
```

```
) ENGINE=MyISAM DEFAULT CHARSET=latin1;  
CREATE TABLE `SEQUENCE` (  
  `SEQ_NAME` varchar(50) NOT NULL,  
  `SEQ_COUNT` decimal(38,0) DEFAULT NULL,  
  PRIMARY KEY (`SEQ_NAME`)
```

```
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

ii) Open the `<TomcatPath>/conf/context.xml` file and add the following lines, according to your database server:

```
<Resource name="jdbc/datasource" auth="Container"  
type="javax.sql.DataSource" username="talend" password="talendpasswd"  
driverClassName="com.mysql.jdbc.Driver"  
url="jdbc:mysql://web-talend-mysql-rds.cocqqsylvtdy.us-east-1.rds.amazonaws.com:3306/sam_dev4"  
maxActive="8" maxIdle="30" maxWait="10000"/>
```

iii) Change the database connection information(from Derby to MySql) specified in the following file, and edit the following file with the lines mentioned underneath to it.

`<TomcatPath>/webapps/sam-server-war/WEB-INF/logserver.properties`

#for Derby (by default)

#db.datasource=java:comp/env/jdbc/datasource

#db.dialect=derbyDialect

#for Mysql

db.datasource=java:comp/env/jdbc/datasource

db.dialect=mysqlDialect

iv) Restart tac server.