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WSO2 Microintegrator

```
/usr/lib64/wso2/wso2ei
```

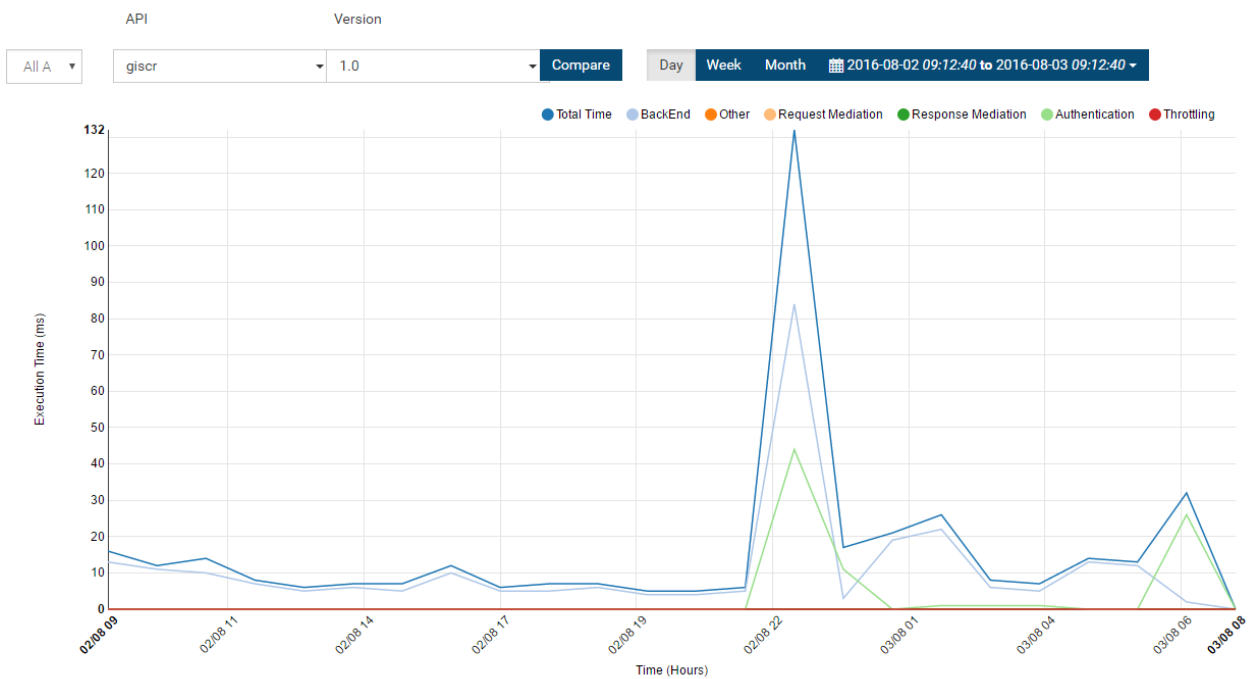
conf/datasources/master-datasources.xml

```
<datasources-configuration
xmlns:svns="http://org.wso2.securevault/configuration">
  <providers>
<provider>org.wso2.micro.integrator.ndatasource.rdbms.RDBMSDataSourceReader<
/provider>
  </providers>
  <datasources>
  <datasource><name>RCS</name><definition
type="RDBMS"><configuration><driverClassName>oracle.jdbc.driver.OracleDriver
</driverClassName><url>jdbc:oracle:thin:@10.160.177.37:1521/orapl</url><user
name>user</username><password
encrypted="false">pass</password></configuration></definition></datasource>
  </datasources>
</datasources-configuration>
```

WSO2 API Manager

API Manager with Analytics - There was a backup task (snapshot) at 23h GMT.

API Latency BreakDown



WSO2 Enterprise Integrator

Put *.jar JDBC drivers to

```
\lib
```

Endpoint host name is shown as 'null' in service dashboard
- make sure that hostname is properly set!

Mailtransport

```
<transportSender name="mailto"  
class="org.apache.axis2.transport.mail.MailTransportSender">  
  <parameter name="mail.smtp.host">10.160.150.82</parameter>  
  <parameter name="mail.smtp.port">25</parameter>  
  <parameter name="mail.smtp.starttls.enable">>false</parameter>  
  <parameter name="mail.smtp.auth">>false</parameter>  
  <parameter name="mail.smtp.user"></parameter>  
  <parameter name="mail.smtp.password"></parameter>  
  <parameter name="mail.smtp.from">noreply@janforman.com</parameter>  
</transportSender>
```

Database connection

Put *.jar JDBC drivers to

```
\repository\components\lib
```

Connect MariaDB JDBC Driver (different from MySQL template)

The screenshot shows the WSO2 Data Services Server Management Console. The breadcrumb navigation is 'Home > Configure > Datasources > New Datasource'. The page title is 'New Datasource'. The form contains the following fields:

- Datasource Type*: RDBMS (dropdown)
- Name*: MariaDB (text input)
- Description: (empty text input)
- Datasource Provider*: default (dropdown)
- Driver*: org.mariadb.jdbc.Driver (text input)
- URL*: jdbc:mariadb://10.160.150.35:3306 (text input)
- User Name: root (text input)
- Password: (password input)

Below the form, there are two expandable sections: 'Expose as a JNDI Datasource' and 'Datasource Configuration Parameters'. At the bottom of the form are three buttons: 'Test Connection', 'Save', and 'Cancel'.

WSO2 Data Services Server

Connect to PostgreSQL DB and create REST API XML / JSON

```
<data name="sde" transports="http https">
  <config id="sde">
    <property name="driverClassName">org.postgresql.Driver</property>
    <property
name="url">jdbc:postgresql://10.160.150.86:5432/sde</property>
    <property name="username"></property>
    <property name="password"></property>
  </config>
  <query id="tabory" useConfig="sde">
    <sql>select nazev,jtskx,jtsky from tabory</sql>
    <result element="tabory" rowName="nazev">
      <element column="nazev" name="nazev" xsdType="string"/>
      <element column="jtskx" name="jtskx" xsdType="string"/>
      <element column="jtsky" name="jtsky" xsdType="string"/>
    </result>
  </query>
</operation name="operation">
```

```

    <call-query href="tabory"/>
  </operation>
  <resource method="GET" path="tabory">
    <call-query href="tabory"/>
  </resource>
</data>

```

```

<data name="getJP0id" transports="http">
  <config enableOData="false" id="portal">
    <property name="driverClassName">org.mariadb.jdbc.Driver</property>
    <property name="url">jdbc:mariadb://10.0.0.0/global</property>
    <property name="username"></property>
    <property name="password"></property>
  </config>
  <query id="query" useConfig="portal">
    <sql>SELECT KATEGORIE,NAZEV_JPO,EVCJ,DP,STATUS,X,Y FROM global.jpo
WHERE EVCJ = ?</sql>
    <result element="list" rowName="jpo">
      <element column="NAZEV_JPO" name="nazev_jpo" xsdType="string"/>
      <element column="X" name="lon" xsdType="string"/>
      <element column="Y" name="lat" xsdType="string"/>
      <element column="EVCJ" name="evcj" xsdType="string"/>
      <element column="KATEGORIE" name="kategorie" xsdType="string"/>
      <element column="DP" name="dp" xsdType="string"/>
      <element column="STATUS" name="status" xsdType="string"/>
    </result>
    <param name="evcj" sqlType="STRING"/>
  </query>
  <operation name="get">
    <call-query href="query">
      <with-param name="evcj" query-param="evcj"/>
    </call-query>
  </operation>
  <resource method="GET" path="/">
    <call-query href="query">
      <with-param name="evcj" query-param="evcj"/>
    </call-query>
  </resource>
</data>

```

```

<data name="getCHTS" transports="http">
  <config enableOData="false" id="rcs">
    <property
name="driverClassName">oracle.jdbc.driver.OracleDriver</property>
    <property name="url">jdbc:oracle:thin:@IP:1521/orcl</property>
    <property name="username"></property>
    <property name="password"></property>
  </config>
  <query id="query" useConfig="rcs">
    <sql>SELECT K_VP_CHTS, N_VP_CHTS, VYROBCE_TYP, I_VP_CHTS,
USER_KEY, (SELECT VYR_CISLO FROM VP_CHTS_DSP WHERE VP_CHTS_DSP.K_VP_CHTS =

```

```

VP_CHTS.K_VP_CHTS) AS VYR_CISLO FROM VP_CHTS WHERE (KC_TPO = 501141 OR
KC_TPO = 501145 OR KC_TPO = 501144) AND X_VP_CHTS = 1</sql>
  <result element="list" rowName="Lahev">
    <element column="K_VP_CHTS" name="CHTS_K" xsdType="string"/>
    <element column="N_VP_CHTS" name="CHTS_NAME" xsdType="string"/>
    <element column="VYROBCE_TYP" name="CHTS_TYPE" xsdType="string"/>
    <element column="I_VP_CHTS" name="CHTS_INFO" xsdType="string"/>
    <element column="VYR_CISLO" name="CHTS_VYRCISLO" xsdType="string"/>
    <element column="USER_KEY" name="CHTS_USERKEY" xsdType="string"/>
  </result>
</query>
<operation name="get">
  <call-query href="query"/>
</operation>
<resource method="GET" path="/">
  <call-query href="query"/>
</resource>
</data>

```

json →

```

<query id='sample' useConfig='default'>
<sql>select * from Employees where id = ?</sql>
<result outputType='json'>
{ "employees":{
  "employee":[
    {
      "lastName":"$lastname",
      "firstName":"$firstname",
    }
  ]
}
}
</result>
<param name='id' ordinal='1' sqlType="INTEGER"/>
</query>

```

Redirected to localhost?

carbon.xml file under /repository/conf folder.
Change <HostName>localhost</HostName> to your IP.

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