<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<mule xmlns:doc=*"http://www.mulesoft.org/schema/mule/documentation"* xmlns:db=*"http://www.mulesoft.org/schema/mule/db"* xmlns=*"http://www.mulesoft.org/schema/mule/core"* xmlns:apikit=*"http://www.mulesoft.org/schema/mule/mule-apikit"* xmlns:http=*"http://www.mulesoft.org/schema/mule/http"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd http://www.mulesoft.org/schema/mule/http http://www.mulesoft.org/schema/mule/http/current/mule-http.xsd http://www.mulesoft.org/schema/mule/mule-apikit http://www.mulesoft.org/schema/mule/mule-apikit/current/mule-apikit.xsd*

*http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd"*>

<http:listener-config name=*"employee-httpListenerConfig"*>

<http:listener-connection host=*"0.0.0.0"* port=*"8081"* />

</http:listener-config>

<apikit:config name=*"employee-config"* api=*"employee.raml"* outboundHeadersMapName=*"outboundHeaders"* httpStatusVarName=*"httpStatus"* />

<db:config name=*"Database\_Config"* doc:name=*"Database Config"* doc:id=*"4e29f8ff-7183-4cdc-97fc-0ba0c0c8d7a0"* >

<db:my-sql-connection host=*"localhost"* port=*"3306"* user=*"root"* password=*"sqldata2020"* database=*"employee"* />

</db:config>

<flow name=*"employee-main"*>

<http:listener config-ref=*"employee-httpListenerConfig"* path=*"/api/\*"*>

<http:response statusCode=*"#[vars.httpStatus default 200]"*>

<http:headers>#[vars.outboundHeaders default {}]</http:headers>

</http:response>

<http:error-response statusCode=*"#[vars.httpStatus default 500]"*>

<http:body>#[payload]</http:body>

<http:headers>#[vars.outboundHeaders default {}]</http:headers>

</http:error-response>

</http:listener>

<apikit:router config-ref=*"employee-config"* />

<error-handler>

<on-error-propagate type=*"APIKIT:BAD\_REQUEST"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Bad request"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>400</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

<on-error-propagate type=*"APIKIT:NOT\_FOUND"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Resource not found"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>404</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

<on-error-propagate type=*"APIKIT:METHOD\_NOT\_ALLOWED"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Method not allowed"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>405</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

<on-error-propagate type=*"APIKIT:NOT\_ACCEPTABLE"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Not acceptable"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>406</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

<on-error-propagate type=*"APIKIT:UNSUPPORTED\_MEDIA\_TYPE"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Unsupported media type"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>415</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

<on-error-propagate type=*"APIKIT:NOT\_IMPLEMENTED"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Not Implemented"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>501</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

</error-handler>

</flow>

<flow name=*"employee-console"*>

<http:listener config-ref=*"employee-httpListenerConfig"* path=*"/console/\*"*>

<http:response statusCode=*"#[vars.httpStatus default 200]"*>

<http:headers>#[vars.outboundHeaders default {}]</http:headers>

</http:response>

<http:error-response statusCode=*"#[vars.httpStatus default 500]"*>

<http:body>#[payload]</http:body>

<http:headers>#[vars.outboundHeaders default {}]</http:headers>

</http:error-response>

</http:listener>

<apikit:console config-ref=*"employee-config"* />

<error-handler>

<on-error-propagate type=*"APIKIT:NOT\_FOUND"*>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{message: "Resource not found"}]]></ee:set-payload>

</ee:message>

<ee:variables>

<ee:set-variable variableName=*"httpStatus"*>404</ee:set-variable>

</ee:variables>

</ee:transform>

</on-error-propagate>

</error-handler>

</flow>

<flow name=*"put:\employee:employee-config"*>

<try doc:name=*"Try"* doc:id=*"550065f6-7ea8-4193-852f-b7d6c3beb0c5"* >

<until-successful maxRetries=*"3"* doc:name=*"Until Successful"* doc:id=*"78969d4c-fd22-457f-bbfa-5fae99ccb953"* millisBetweenRetries=*"6000"*>

<db:update doc:name=*"Update"* doc:id=*"f6da0e18-ccb3-4c00-a40e-ade1b5147e77"* config-ref=*"Database\_Config"*>

<db:sql><![CDATA[update person set LastName = :LastName, FirstName = :FirstName, Age = :Age where ID = :ID;]]></db:sql>

<db:input-parameters><![CDATA[#[{

ID: payload.ID,

LastName: payload.LastName,

FirstName: payload.FirstName,

Age: payload.Age

}]]]></db:input-parameters>

</db:update>

</until-successful>

<error-handler >

<on-error-propagate enableNotifications=*"true"* logException=*"true"* doc:name=*"On Error Propagate"* doc:id=*"1ff4acf2-2e4c-4fea-8a70-761cace7b404"* >

<logger level=*"INFO"* doc:name=*"Logger"* doc:id=*"03af1d13-94e0-48a8-ba96-475c0b40d1f1"* message=*"#[payload]"*/>

</on-error-propagate>

</error-handler>

</try>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

message: "Person profile altered"

}]]></ee:set-payload>

</ee:message>

</ee:transform>

</flow>

<flow name=*"delete:\employee:employee-config"*>

<try doc:name=*"Try"* doc:id=*"db2bda88-e525-42ea-a3a7-2b7510bdf19a"* >

<until-successful maxRetries=*"3"* doc:name=*"Until Successful"* doc:id=*"05f67b2d-e9c6-4ddb-b41e-f2cde7c8bd1f"* millisBetweenRetries=*"6000"*>

<db:delete doc:name=*"Delete"* doc:id=*"519293c3-b42d-4a91-9e65-9341f61e34f6"* config-ref=*"Database\_Config"*>

<db:sql><![CDATA[delete from person where ID = :ID;]]></db:sql>

<db:input-parameters><![CDATA[#[{

ID: attributes.queryParams.ID

}]]]></db:input-parameters>

</db:delete>

</until-successful>

<error-handler >

<on-error-propagate enableNotifications=*"true"* logException=*"true"* doc:name=*"On Error Propagate"* doc:id=*"ea7b8f01-c616-4b4b-be13-a0f8ae494e74"* >

<logger level=*"INFO"* doc:name=*"Logger"* doc:id=*"5261bdf5-b520-482b-b5d3-eead1d4d84b2"* message=*"#[payload]"*/>

</on-error-propagate>

</error-handler>

</try>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

message: "Person profile deleted"

}]]></ee:set-payload>

</ee:message>

</ee:transform>

</flow>

<flow name=*"get:\employee:employee-config"*>

<db:select doc:name=*"Select"* doc:id=*"35f118bb-8d00-4f32-8415-46d1f93ce5be"* config-ref=*"Database\_Config"*>

<db:sql ><![CDATA[SELECT o.ID,

o.LastName,

o.FirstName,

o.Age,

c.street,

c.city,

c.state,

c.PostalCode,

c.Person\_Id

FROM person o

JOIN address c

on o.ID = c.Person\_Id;]]></db:sql>

</db:select>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

</flow>

<flow name=*"get:\employee\(ID):employee-config"*>

<db:select doc:name=*"Select"* doc:id=*"5cefd502-70e2-43b6-ac13-e194ae36ae2b"* config-ref=*"Database\_Config"*>

<db:sql ><![CDATA[select \* from person where ID = :ID]]></db:sql>

<db:input-parameters ><![CDATA[#[{

ID: attributes.uriParams.ID

}]]]></db:input-parameters>

</db:select>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

</flow>

<flow name=*"post:\employee:employee-config"*>

<try doc:name=*"Try"* doc:id=*"9d081326-fff4-434d-9f20-2fe8f517b984"* >

<until-successful maxRetries=*"3"* doc:name=*"Until Successful"* doc:id=*"97a1cc57-1f92-485a-b4b8-7e10ee6a7ec0"* millisBetweenRetries=*"6000"*>

<db:insert doc:name=*"Insert"* doc:id=*"aaf80e3d-2a84-4abf-b36d-99306c8c859e"* config-ref=*"Database\_Config"*>

<db:sql><![CDATA[insert into person (Id , LastName , FirstName , Age)

values (:Id , :LastName , :FirstName , :Age)]]></db:sql>

<db:input-parameters><![CDATA[#[{

Id: payload.Id,

LastName: payload.LastName,

FirstName: payload.FirstName,

Age: payload.Age

}]]]></db:input-parameters>

</db:insert>

</until-successful>

<error-handler >

<on-error-propagate enableNotifications=*"true"* logException=*"true"* doc:name=*"On Error Propagate"* doc:id=*"b86bb037-125d-416a-82b5-fbd6a1d830fc"* >

<logger level=*"INFO"* doc:name=*"Logger"* doc:id=*"ca669983-eabb-4d1c-adf9-29d0e7c8064c"* message=*"#[payload]"*/>

</on-error-propagate>

</error-handler>

</try>

<ee:transform xmlns:ee=*"http://www.mulesoft.org/schema/mule/ee/core"* xsi:schemaLocation=*"http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd"*>

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

message: "New person profile created"

}]]></ee:set-payload>

</ee:message>

</ee:transform>

</flow>

</mule>