

Mondrian /Olap4j with MongoDB



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Mondrian /Olap4j with MongoDB Oct 5, 2018 3:33 PM

hi, I have to integrate pentaho 8.1 GA with MongoDB through Mondrian 4 to be able to use Analysis Report. I followed the official Pentaho documentation for version 5.1 (Make MongoDB Work with Analyzer), is missing for Pentaho 8.1:

<https://help.pentaho.com/Documentation/5.1/0N0/0S0/010>

I have configured the olap4j.properties file as follows:

```
mongodb6.name=mongodb6
mongodb6.className=org.pentaho.platform.plugin.services.connections.PentahoSystemDriver
mongodb6.connectString=jdbc:mondrian4:Host=<host>;dbname=DB{name='<db
name>'};DataServicesProvider=com.pentaho.analysis.mongo.MongoDataServicesProvider;Catalog=C:/app/
Pentaho/server/pentaho-server/pentaho-solutions/system/mongodb6.xml;
```

but I always get the following error:

```
org.pentaho.platform.plugin.action.olap.OLapServiceException: java.sql.SQLException:
No suitable driver found for jdbc:mondrian4:Host=escher; dbname=DB{name='dwh'};
DataServicesProvider=com.pentaho.analysis.mongo.MongoDataServicesProvider; Catalog=C:/app/Pentaho/server/pentaho-server/
pentaho-solutions/system/mongodb6.xml
at org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.makeOlap4jConnection(OlapServiceImpl.java:815)
at org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.getConnection(OlapServiceImpl.java:699)
at
org.pentaho.platform.plugin.action.mondrian.mapper.MondrianAbstractPlatformUserRoleMapper.getMondrianRolesFromCatalog(MondrianAbstractPlatformU
at
org.pentaho.platform.plugin.action.mondrian.mapper.MondrianAbstractPlatformUserRoleMapper.mapConnectionRoles(MondrianAbstractPlatformUserRoleM
at
org.pentaho.platform.plugin.services.connections.mondrian.MDXConnection.mapPlatformRolesToMondrianRolesHelper(MDXConnection.java:200)
at org.pentaho.platform.plugin.services.connections.mondrian.MDXOlap4jConnection.connect(MDXOlap4jConnection.java:96)
at org.pentaho.platform.plugin.services.connections.mondrian.MDXOlap4jConnection.setProperties(MDXOlap4jConnection.java:236)
at org.pentaho.platform.engine.services.connection.PentahoConnectionFactory.getConnection(PentahoConnectionFactory.java:126)
at com.pentaho.analyzer.service.impl.OlapConnectionManagerImpl.createConnection(SourceFile:148)
at com.pentaho.analyzer.service.impl.OlapConnectionManagerImpl.createConnection(SourceFile:75)
[...]
Caused by: java.sql.SQLException: No suitable driver found for jdbc:mondrian4:Host=escher; dbname=DB{name='dwh'};
DataServicesProvider=com.pentaho.analysis.mongo.MongoDataServicesProvider; Catalog=C:/app/Pentaho/server/pentaho-server/
pentaho-solutions/system/mongodb6.xml
at java.sql.DriverManager.getConnection(DriverManager.java:689)
```

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at java.sql.DriverManager.getConnection(DriverManager.java:208)

at org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.makeOlap4jConnection(OlapServiceImpl.java:811)

do you have any suggestions?

thank you

Luca

org.pentaho.platform.plugin.action.olap.IOlapServiceException: java.sql.SQLException:

No suitable driver found for jdbc:mondrian4:Host=escher; dbname=DB{name='dwh'};

DataServicesProvider=com.pentaho.analysis.mongo.MongoDataServicesProvider;

Catalog=C:/app/Pentaho/server/pentaho-server/pentaho-solutions/system/mongoDB6.xml at

org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.makeOlap4jConnection(OlapServiceImpl.java:815) at

org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.getConnection(OlapServiceImpl.java:699) at

org.pentaho.platform.plugin.action.mondrian.mapper.MondrianAbstractPlatformUserRoleMapper.getMondrianRolesFromCatalog(MondrianAbstractPlatformUserRoleMapper.java:100) at

org.pentaho.platform.plugin.action.mondrian.mapper.MondrianAbstractPlatformUserRoleMapper.mapConnectionRoles(MondrianAbstractPlatformUserRoleMapper.java:110) at

org.pentaho.platform.plugin.services.connections.mondrian.MDXConnection.mapPlatformRolesToMondrianRolesHelper(MDXConnection.java:100) at

org.pentaho.platform.plugin.services.connections.mondrian.MDXOlap4jConnection.connect(MDXOlap4jConnection.java:96) at

org.pentaho.platform.plugin.services.connections.mondrian.MDXOlap4jConnection.setProperties(MDXOlap4jConnection.java:100) at

org.pentaho.platform.engine.services.connection.PentahoConnectionFactory.getConnection(PentahoConnectionFactory.java:100) at

com.pentaho.analyzer.service.impl.OlapConnectionManagerImpl.createConnection(SourceFile:148) at

com.pentaho.analyzer.service.impl.OlapConnectionManagerImpl.createConnection(SourceFile:75) at

com.pentaho.analyzer.service.impl.a.getConnection(SourceFile:55) at

com.pentaho.analyzer.service.impl.OlapMetaDataManager.getConnection(SourceFile:67) at

com.pentaho.analyzer.service.impl.AnalysisAreaManager.createOlapConnection(SourceFile:116) at

com.pentaho.analyzer.content.controller.p.a(SourceFile:165) at

com.pentaho.analyzer.content.AnalyzerContentGenerator.createContent(SourceFile:152) at

org.pentaho.platform.web.http.api.resources.GeneratorStreamingOutput.generateContent(GeneratorStreamingOutput.java:200) at

org.pentaho.platform.web.http.api.resources.GeneratorStreamingOutput.write(GeneratorStreamingOutput.java:165) at

org.pentaho.platform.web.http.api.resources.GeneratorStreamingOutputProvider.writeTo(GeneratorStreamingOutputProvider.java:100) at

org.pentaho.platform.web.http.api.resources.GeneratorStreamingOutputProvider.writeTo(GeneratorStreamingOutputProvider.java:100) at

com.sun.jersey.spi.container.ContainerResponse.write(ContainerResponse.java:302) at

com.sun.jersey.server.impl.application.WebApplicationImpl._handleRequest(WebApplicationImpl.java:1510) at

com.sun.jersey.server.impl.application.WebApplicationImpl.handleRequest(WebApplicationImpl.java:1419) at

com.sun.jersey.server.impl.application.WebApplicationImpl.handleRequest(WebApplicationImpl.java:1409) at

org.pentaho.platform.web.servlet.JAXRSServlet\$InternalWebComponent.service(JAXRSServlet.java:288) at

com.sun.jersey.spi.container.servlet.ServletContainer.service(ServletContainer.java:558) at

com.sun.jersey.spi.container.servlet.ServletContainer.service(ServletContainer.java:733) at

org.pentaho.platform.web.servlet.JAXRSServlet.service(JAXRSServlet.java:139) at

javax.servlet.http.HttpServlet.service(HttpServlet.java:742) at

org.pentaho.platform.web.servlet.JAXRSServlet.service(JAXRSServlet.java:144) at

org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231) at

org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at

org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52) at

org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at

org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.pentaho.platform.web.http.filters.PentahoWebContextFilter.doFilter(PentahoWebContextFilter.java:235) at
com.pentaho.platform.web.http.filters.PentahoEnterpriseWebContextFilter.doFilter(SourceFile:86) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.pentaho.platform.web.http.filters.PentahoRequestContextFilter.doFilter(PentahoRequestContextFilter.java:90) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:317) at
org.pentaho.platform.web.http.filters.PreFlightReportingFilter.doFilter(PreFlightReportingFilter.java:50) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.invoke(FilterSecurityInterceptor.java:127) at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter(FilterSecurityInterceptor.java:91) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.access.ExceptionTranslationFilter.doFilter(ExceptionTranslationFilter.java:115) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.session.SessionManagementFilter.doFilter(SessionManagementFilter.java:137) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.authentication.AnonymousAuthenticationFilter.doFilter(AnonymousAuthenticationFilter.java:100) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.pentaho.platform.web.http.security.RequestParameterAuthenticationFilter.doFilter(RequestParameterAuthenticationFilter.java:100) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.authentication.www.BasicAuthenticationFilter.doFilterInternal(BasicAuthenticationFilter.java:100) at
org.pentaho.platform.web.http.security.PentahoBasicProcessingFilter.doFilterInternal(PentahoBasicProcessingFilter.java:128) at
org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:107) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter(SecurityContextPersistenceFilter.java:100) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.pentaho.platform.web.http.filters.HttpSessionPentahoSessionIntegrationFilter.doFilter(HttpSessionPentahoSessionIntegrationFilter.java:100) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter.doFilter(SecurityContextHolderAwareRequestFilter.java:100) at
org.springframework.security.web.FilterChainProxy\$VirtualFilterChain.doFilter(FilterChainProxy.java:331) at
org.springframework.security.web.FilterChainProxy.doFilterInternal(FilterChainProxy.java:214) at
org.springframework.security.web.FilterChainProxy.doFilter(FilterChainProxy.java:177) at
org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate(DelegatingFilterProxy.java:346) at
org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterProxy.java:262) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
com.pentaho.ui.servlet.SystemStatusFilter.doFilter(SourceFile:87) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.pentaho.platform.web.http.filters.SetCharacterEncodingFilter.doFilter(SetCharacterEncodingFilter.java:117) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at

org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.pentaho.platform.web.http.filters.WebappRootForwardingFilter.doFilter(WebappRootForwardingFilter.java:73) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.pentaho.platform.web.http.filters.PentahoPathDecodingFilter.doFilter(PentahoPathDecodingFilter.java:54) at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193) at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166) at
org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:199) at
org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:96) at
org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:504) at
org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:140) at
org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81) at
org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:650) at
org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87) at
org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:342) at
org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:803) at
org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66) at
org.apache.coyote.AbstractProtocol\$ConnectionHandler.process(AbstractProtocol.java:790) at
org.apache.tomcat.util.net.NioEndpoint\$SocketProcessor.doRun(NioEndpoint.java:1459) at
org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49) at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) at
java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) at
org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run(TaskThread.java:61) at
java.lang.Thread.run(Thread.java:748) Caused by: java.sql.SQLException: No
suitable driver found for jdbc:mondrian4:Host=escher; dbname=DB{name='dwh'};
DataServicesProvider=com.pentaho.analysis.mongo.MongoDataServicesProvider;
Catalog=C:/app/Pentaho/server/pentaho-server/pentaho-solutions/system/
mongoDB6.xml at java.sql.DriverManager.getConnection(DriverManager.java:689) at
java.sql.DriverManager.getConnection(DriverManager.java:208) at
org.pentaho.platform.plugin.action.olap.impl.OlapServiceImpl.makeOlap4jConnection(OlapServiceImpl.java:811)