

Week 2 Unit 3: Developing the OData Services – Theory

Developing the OData Services – Theory

Apache Olingo

Apache Olingo

- Java library
- Implements the Open Data Protocol (OData)
- Serves client and server aspects of OData
- Currently supports OData 2.0 and will also support OData 4.0

<https://olingo.apache.org>

The screenshot shows the Apache Olingo website. At the top is a navigation bar with links: Apache Olingo™, ASF, License, Download, Documentation, Support, and Contribute. The main content area features the title "Apache Olingo™" with a logo, followed by the heading "What is the Apache Olingo Project?". Below this is a paragraph describing the project as a Java library for OData, supporting OData 2.0 and OData 4.0. Three buttons are present: "read more »", "Java V2", "Java V4", and "JavaScript V4". A word cloud below the buttons contains terms like "Client", "Server", "OData 2.0", "OData 4.0", "Extensions", and "Apache Olingo". On the right side, there is a "Tweets by @ApacheOlingo" section showing three tweets. The bottom of the page contains copyright information: "Copyright © 2013-2015, The Apache Software Foundation" and a list of trademarks.

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Apache Olingo™

What is the Apache Olingo Project?

Apache Olingo is a Java library that implements the Open Data Protocol (OData). Apache Olingo serves client and server aspects of OData. It currently supports OData 2.0 and will also support OData 4.0. The latter is the OASIS version of the protocol: OASIS Open Data Protocol (OData) TC.

[read more »](#) [Java V2](#) [Java V4](#) [JavaScript V4](#)

Client Server OData 2.0 OData 4.0 Extensions Apache Olingo

Tweets by @ApacheOlingo

Apache Olingo @ApacheOlingo
The next #Apache #Olingo 4 release (4.2.0) is ready! Get it [olingo.apache.org/doc/odata4/dow...](#) and explore the new features [issues.apache.org/jira/secure/Re...](#)
17 Apr

Apache Olingo @ApacheOlingo
#OASIS announce the „Public review for #OData JSON Format for Common Schema Definition Language (CSDL) V4.0“ see: [docs.oasis-open.org/odata/odata-js...](#)
29 Jan

Apache Olingo @ApacheOlingo
New visual identity for ASF ([s.apache.org/ij](#)) already at [olingo.apache.org](#) #Apache #Olingo
29 Jan

[Embed](#) [View on Twitter](#)

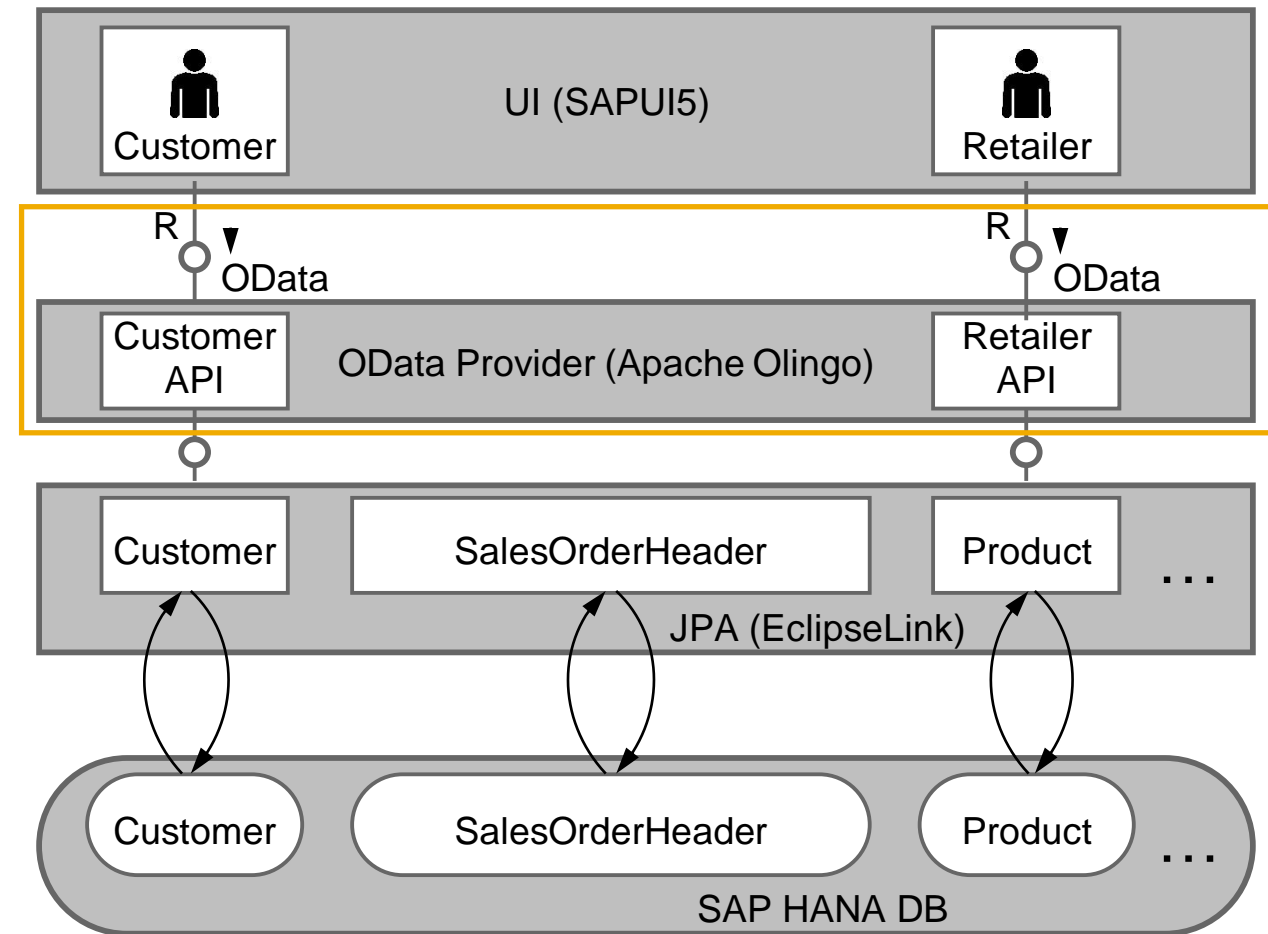
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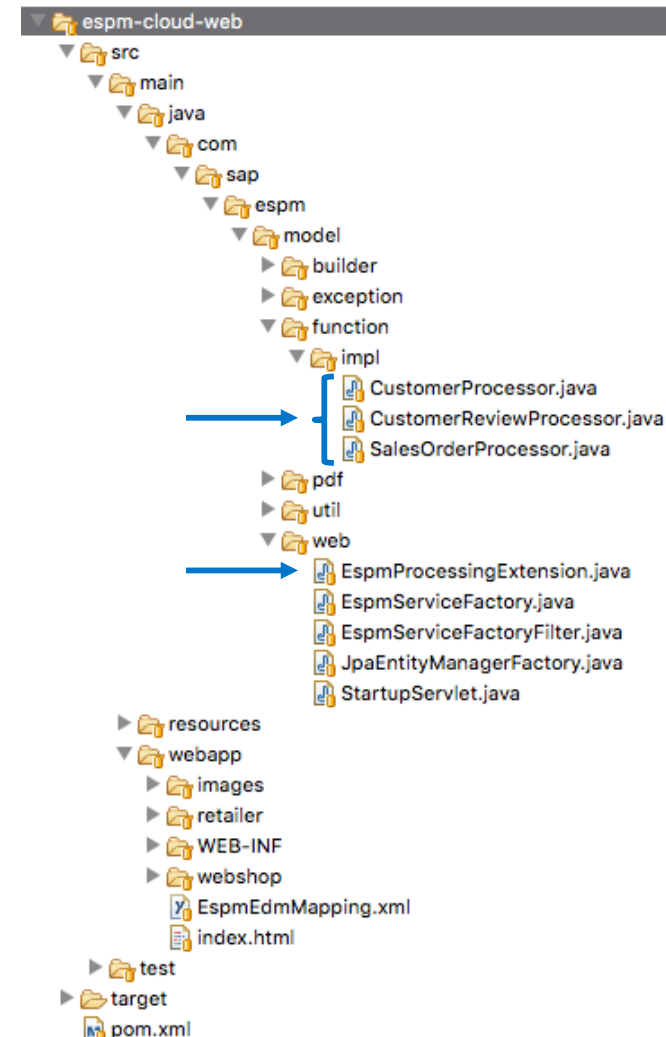
Involved components for this implementation part

The ESPM application

- Runs on a Java server
- Exposes the JPA entities as OData services (Apache Olingo)
 - Webshop
 - Retailer
- Consumed by the UI layer

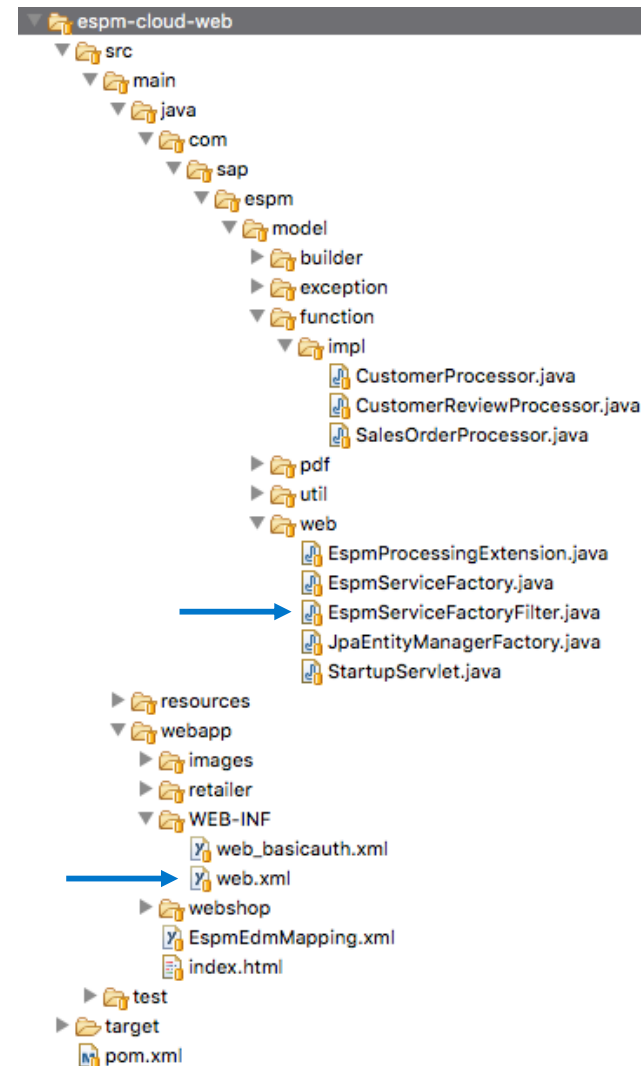


The OData services of the ESPM application 1/2



The OData services of the ESPM application 2/2

The OData services of the ESPM application 2/2



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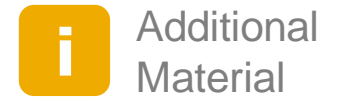
What you've learned in this unit

- Apache Olingo
- Involved components of the ESPM application for this implementation part
- The OData services of the ESPM application

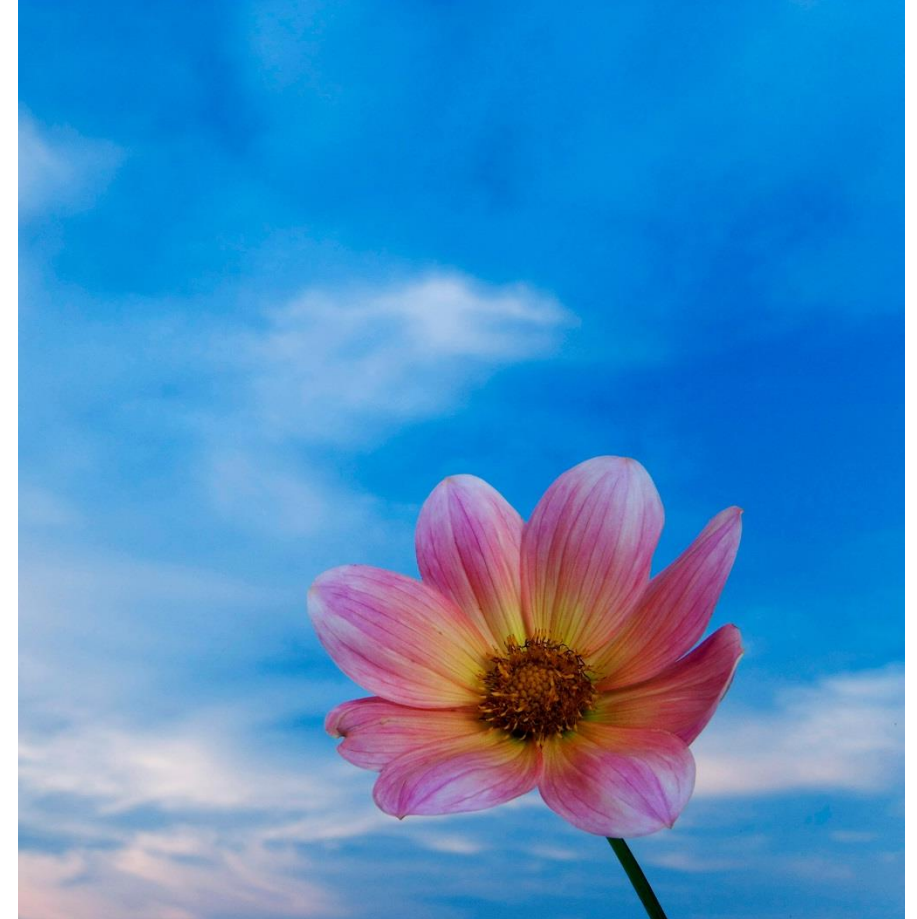


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Further Reading



- [Apache Olingo](#)





Thank you

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