APACHE OLINGO

from Incubation to a real Olingo

The Apache Software Foundation
http://www.apache.org/

AGENDA

AGENDA

AGENDA

AGENDA

Why Apache?

Apache SOFTWARE FOUNDATION

http://olingo.apache.org

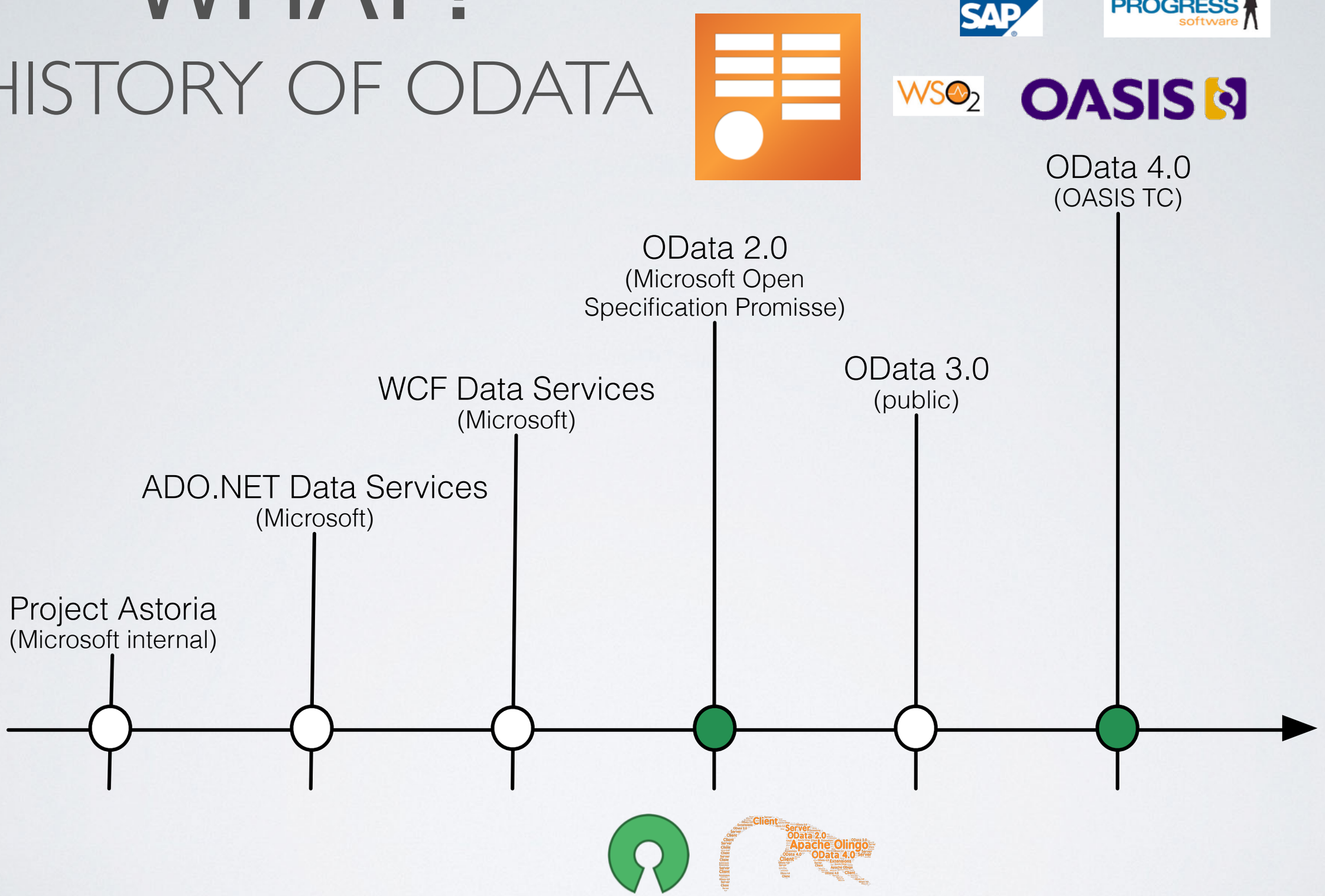
Incubation

Promotion

Lessons learned

WHAT?

HISTORY OF ODATA



https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=odata

WHAT?

APACHE OLINGO

http://olingo.apache.org

WHAT?

APACHE OLINGO

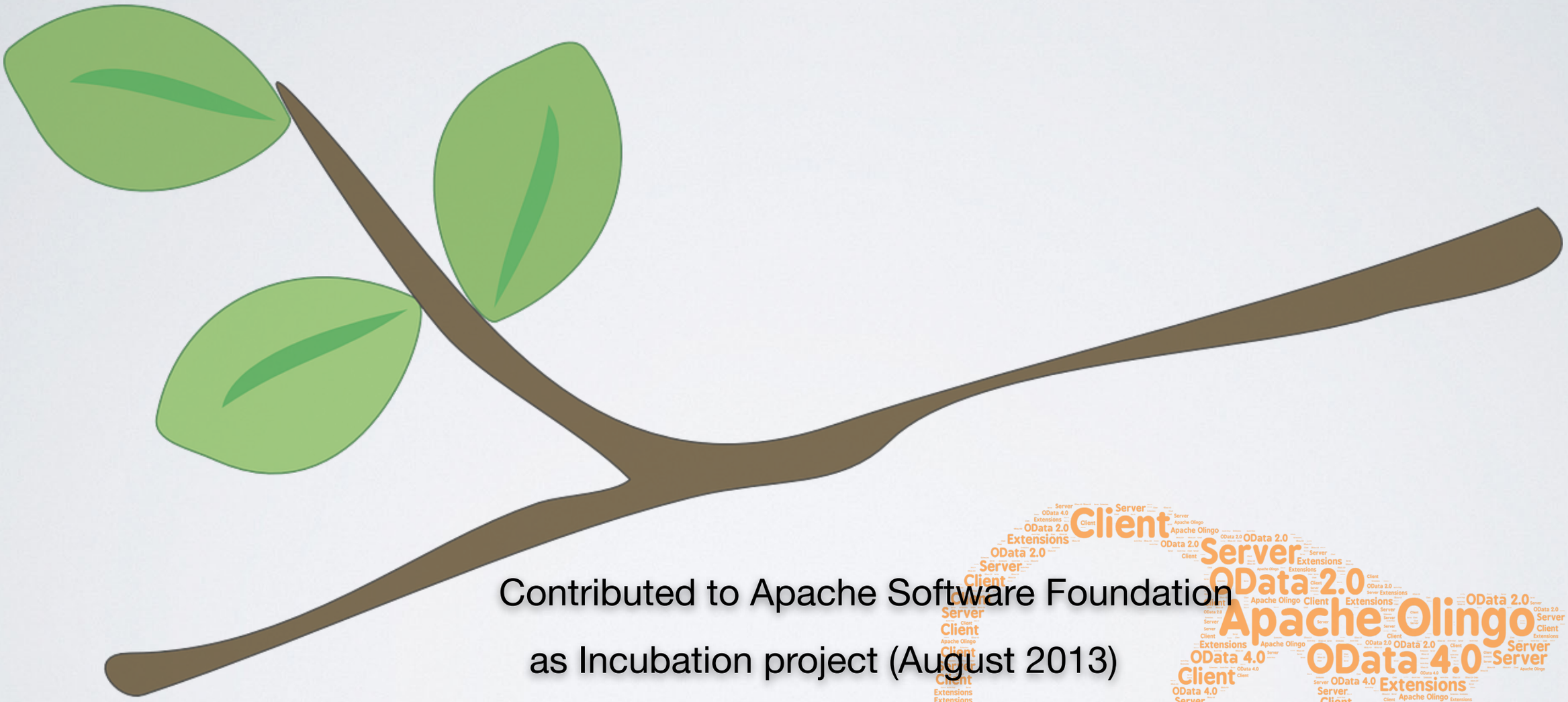
Started as OData Java library

for OData 2.0 Client und Server

http://olingo.apache.org

WHAT?

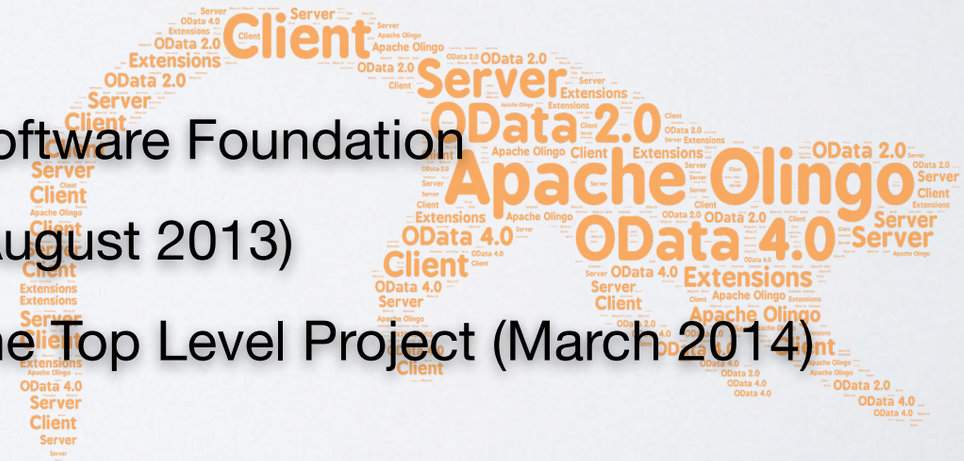
APACHE OLINGO



Contributed to Apache Software Foundation

as Incubation project (August 2013)

and promoted to Apache Top Level Project (March 2014)



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WHAT?
APACHE OLINGO

Contributions from
Microsoft in form of
data.js (JavaScript)
and OData 3.0 Java Client
Library

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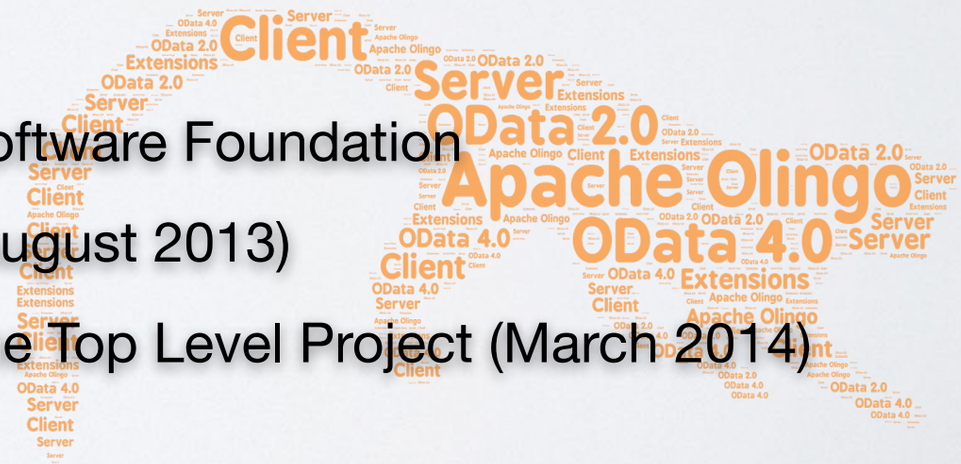

Started as OData Java library
for OData 2.0 Client und Server

http://olingo.apache.org

WHAT?

APACHE OLINGO

Currently in development: OData 4.0

Java Server library (SAP)

Java Client library (Microsoft)

JavaScript Client library (Microsoft + SAP)

Contributions from Microsoft in form of data.js (JavaScript) and OData 3.0 Java Client Library

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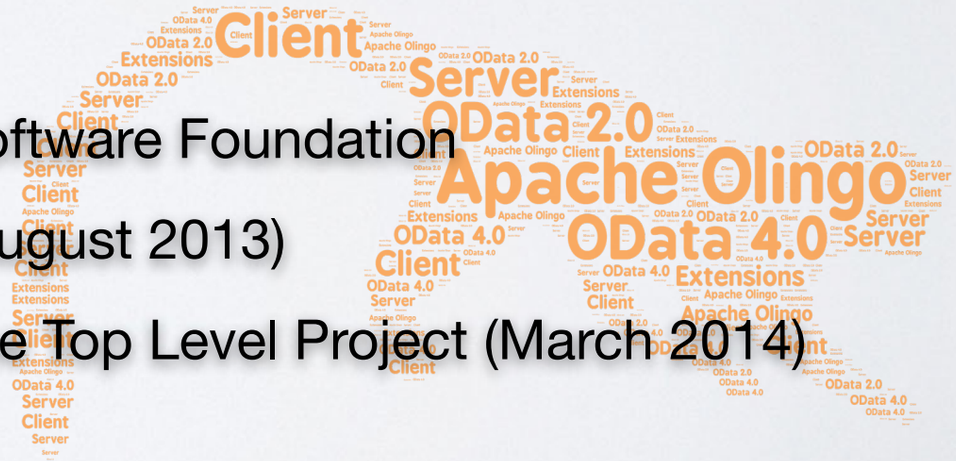

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What?

In a Nutshell, Apache Olingo - OData...

··· has had 2,386 commits made by 28 contributors
representing 965,578 lines of code

··· is mostly written in Java
with an average number of source code comments

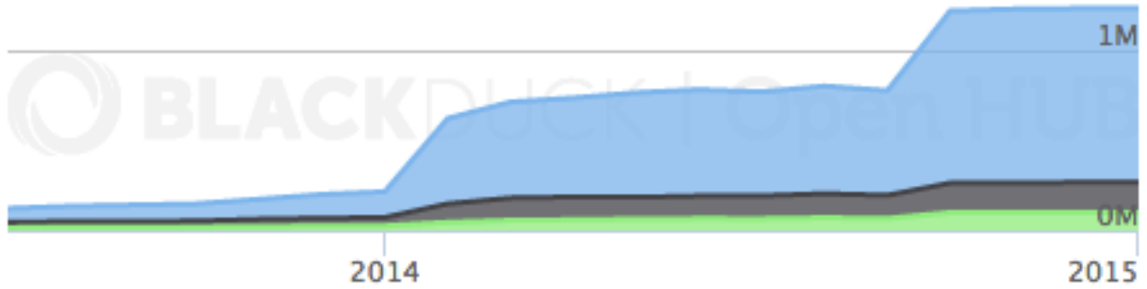
··· has a young, but established codebase
maintained by a large development team
with stable Y-O-Y commits

··· took an estimated 264 years of effort (COCOMO model)
starting with its first commit in July, 2013
ending with its most recent commit 3 months ago

Languages

HTML	52%	Java	31%
JavaScript	12%	9 Other	5%

Lines of Code



Activity

30 Day Summary

Dec 10 2014 — Jan 9 2015

52 Commits
8 Contributors

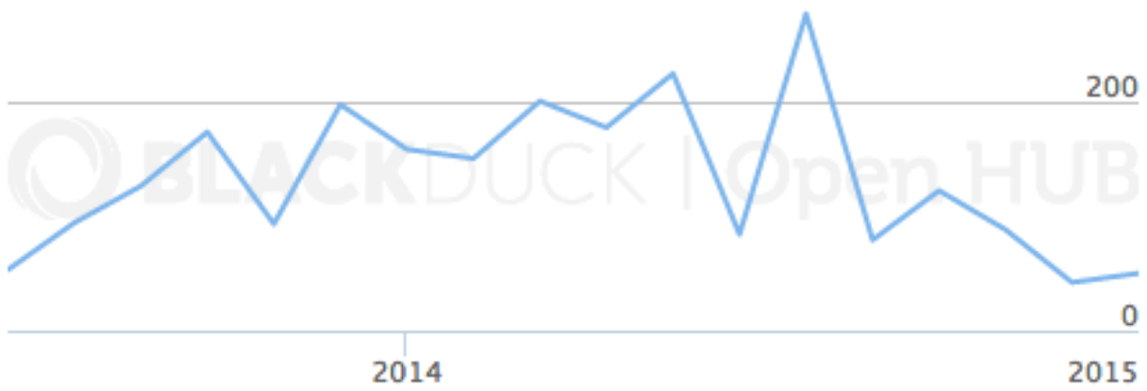
12 Month Summary

Jan 9 2014 — Jan 9 2015

1651 Commits
Up +916 (124%) from previous 12 months

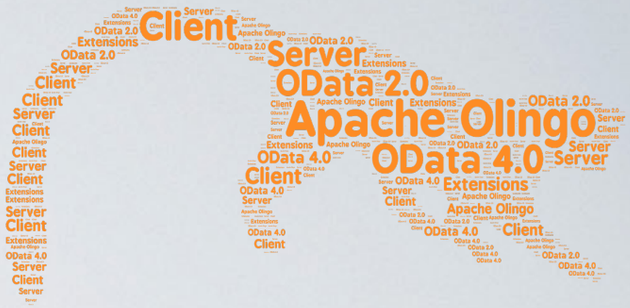
25 Contributors
Up +11 (78%) from previous 12 months

Commits per Month



http://www.ohloh.net/p/apache-olingo or https://www.openhub.net/

WHY?



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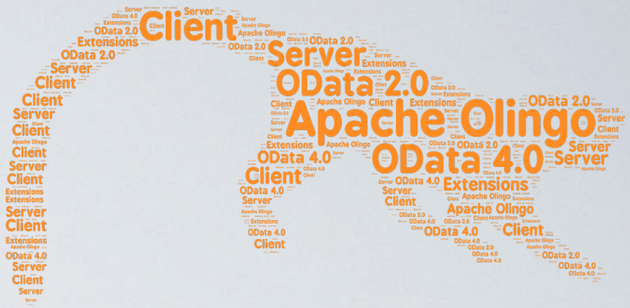
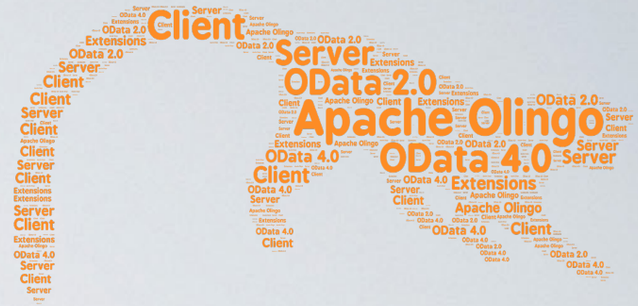


- Started to look for an OData Java Library and found “odata4j” @GoogleCode

WHY?



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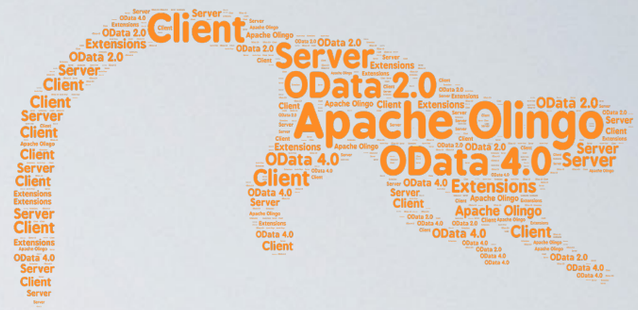
- However, team decided to start new library because of…

WHY?



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- …different requirements for own library

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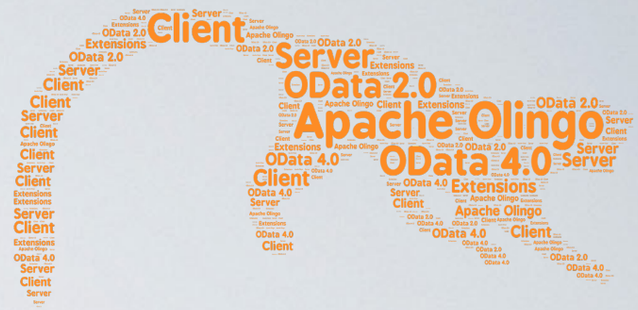

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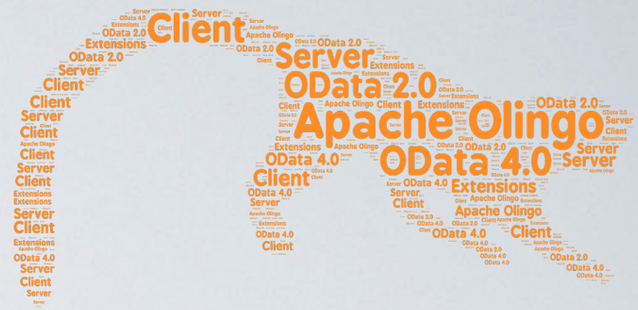

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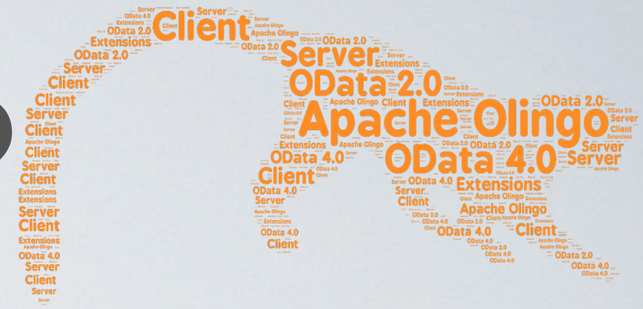
- However, team decided to start new library because of…
  - …different requirements for own library
  - …different opinions on “How to go forward”
  - …small (developer) community

WHY APACHE?



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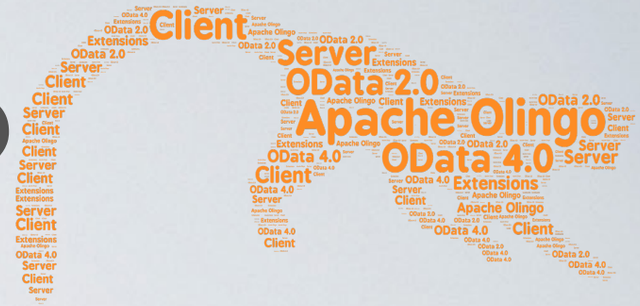
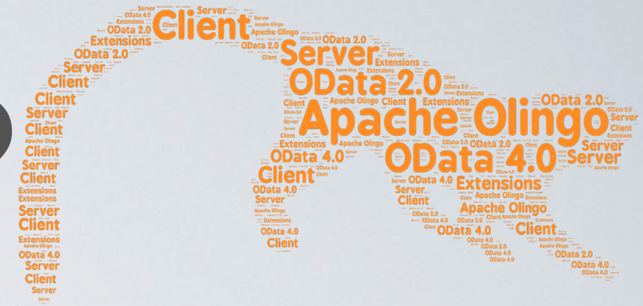

Client
Server
OData 2.0
Apache Olingo
OData 4.0
Extensions

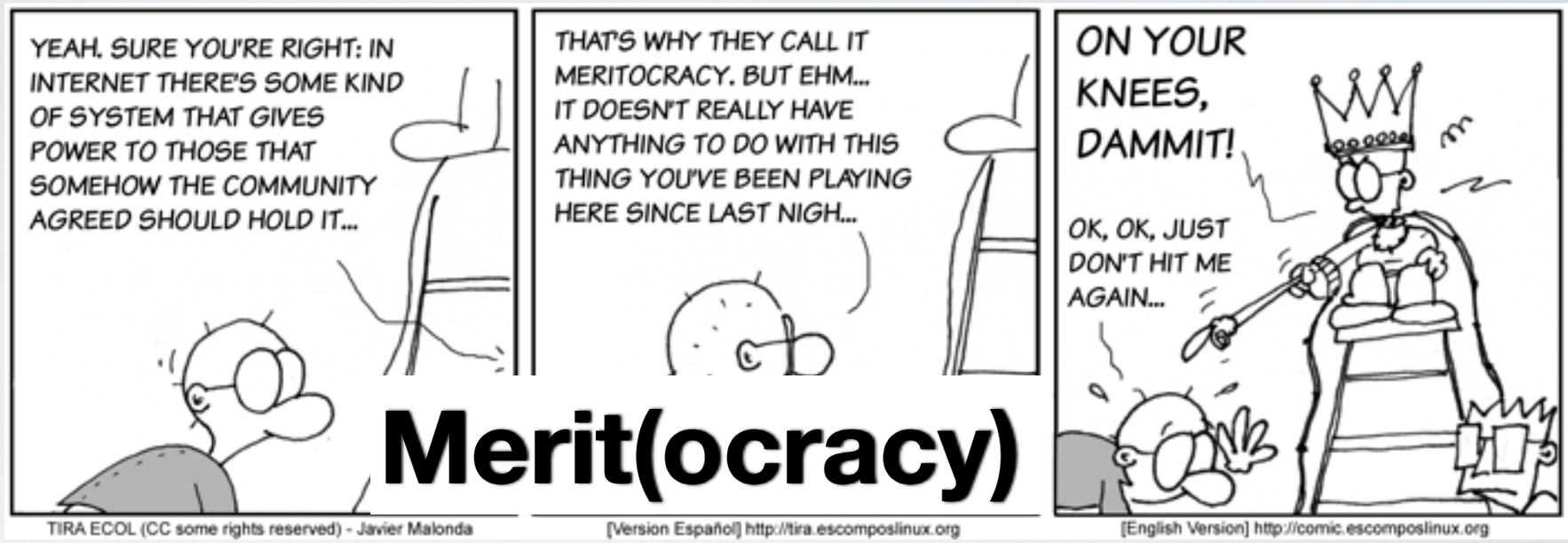
The Apache Way
Apache
SOFTWARE FOUNDATION

WHY APACHE?



The Apache Way

Apache SOFTWARE FOUNDATION



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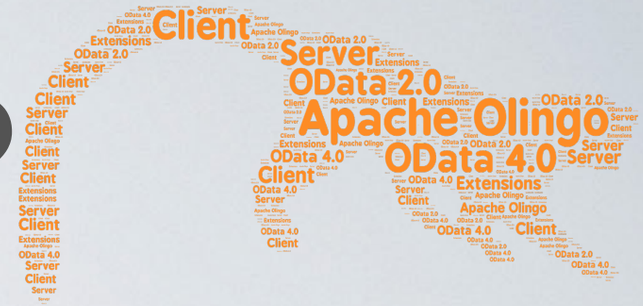
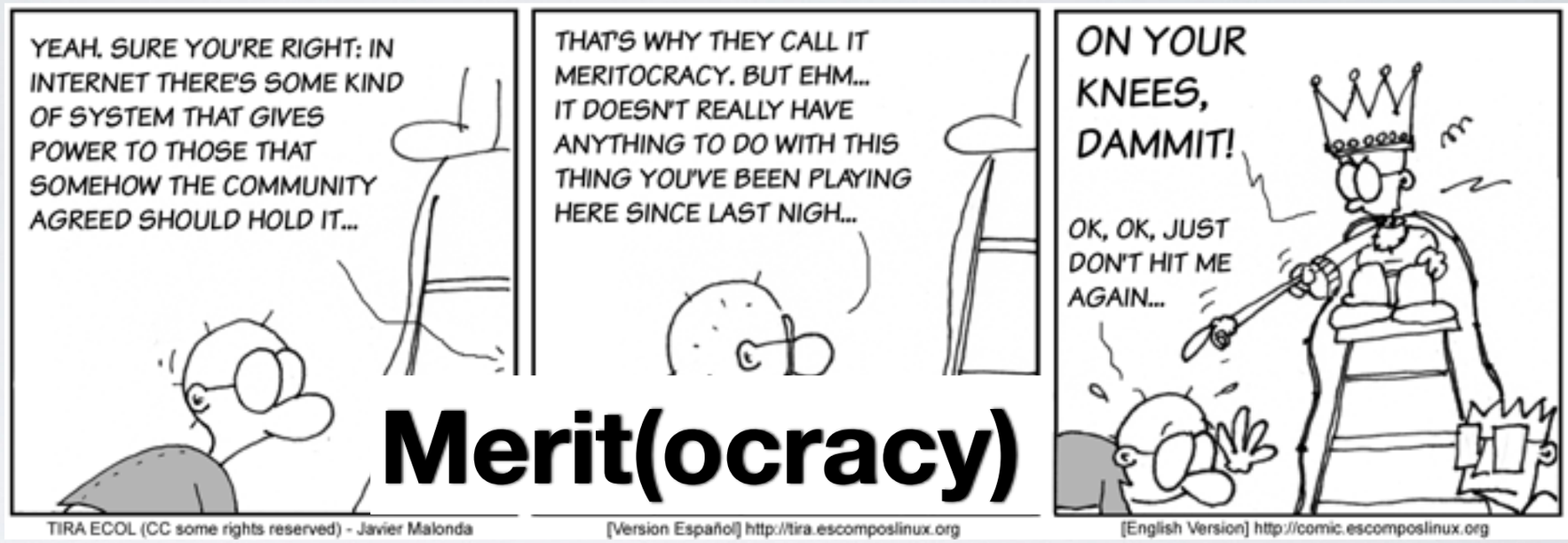


The Apache Way

Apache SOFTWARE FOUNDATION



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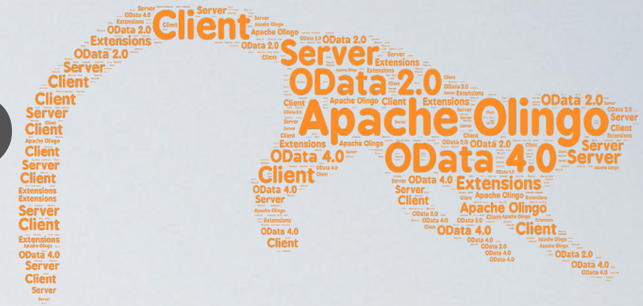
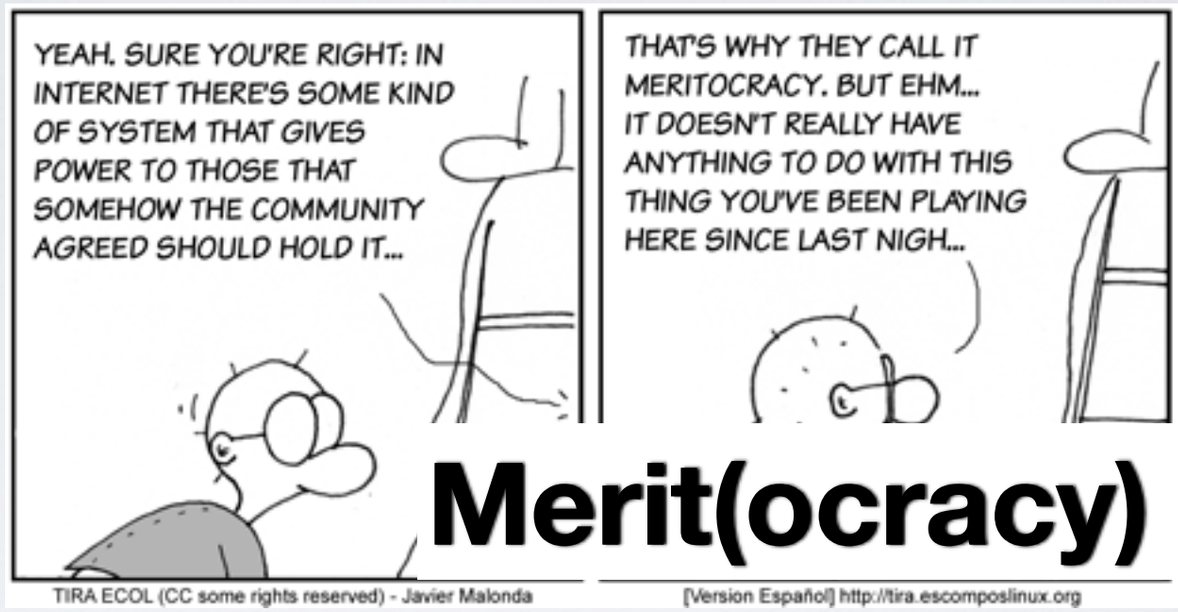


The Apache Way

Apache SOFTWARE FOUNDATION

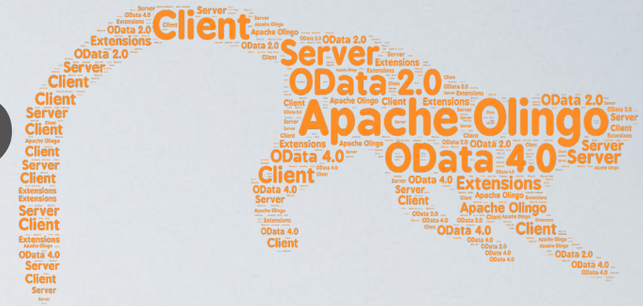


Merit(ocracy)

Community

Openness

WHY APACHE?



The Apache Way

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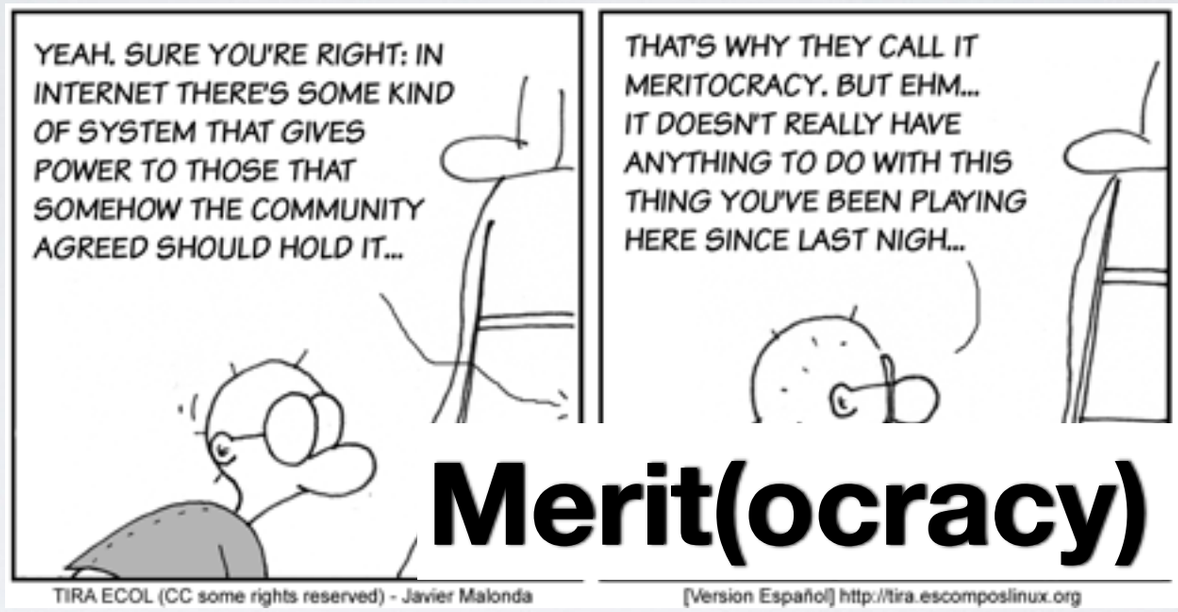
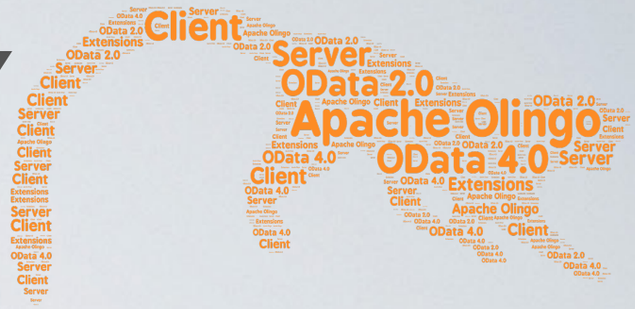


Additional Concepts: **Pragmatism**, **Charity**

OUR APACHE WAY

INCUBATION



OUR APACHE WAY

INCUBATION

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Fulfil The Apache Way

OUR APACHE WAY

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Fulfil The Apache Way

Another (developer) mindset for team

OUR APACHE WAY

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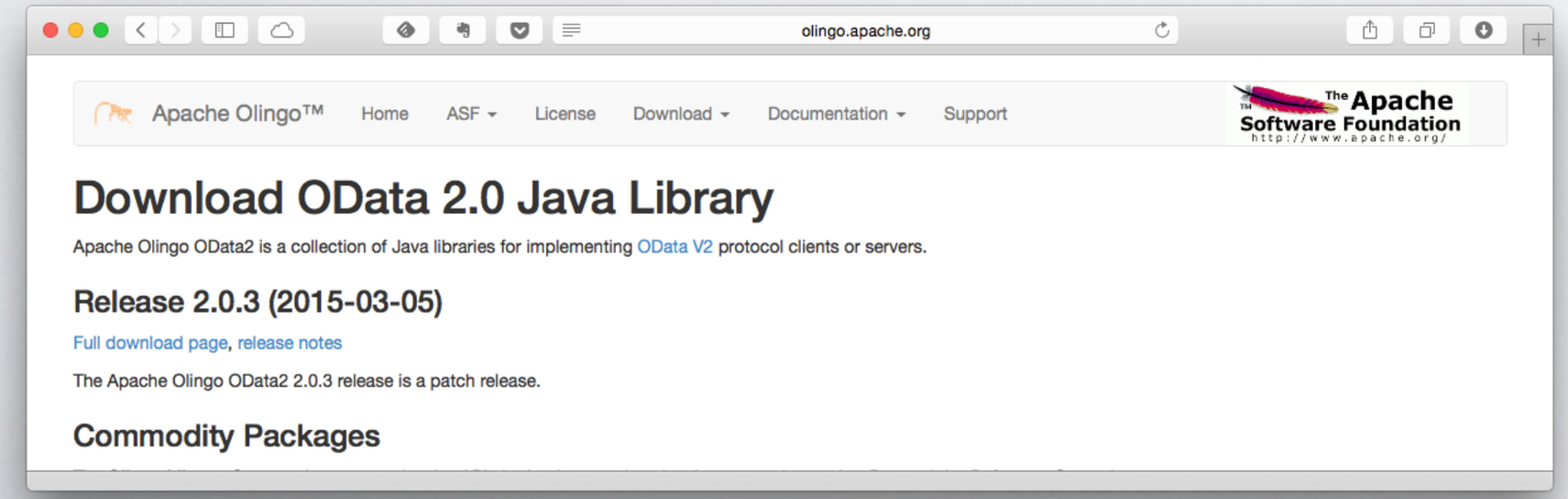
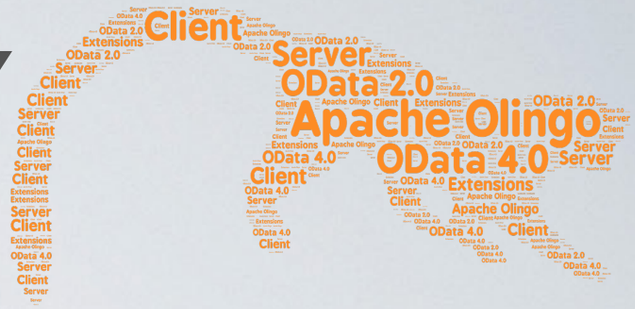


First release

OUR APACHE WAY

PROMOTION



OUR APACHE WAY

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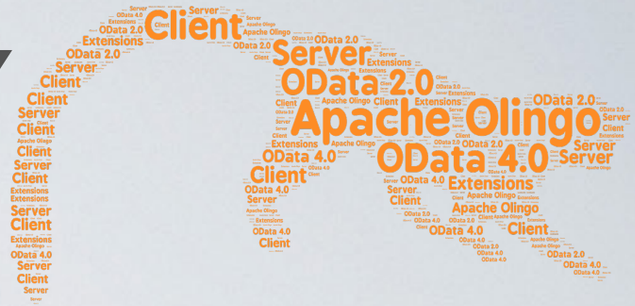
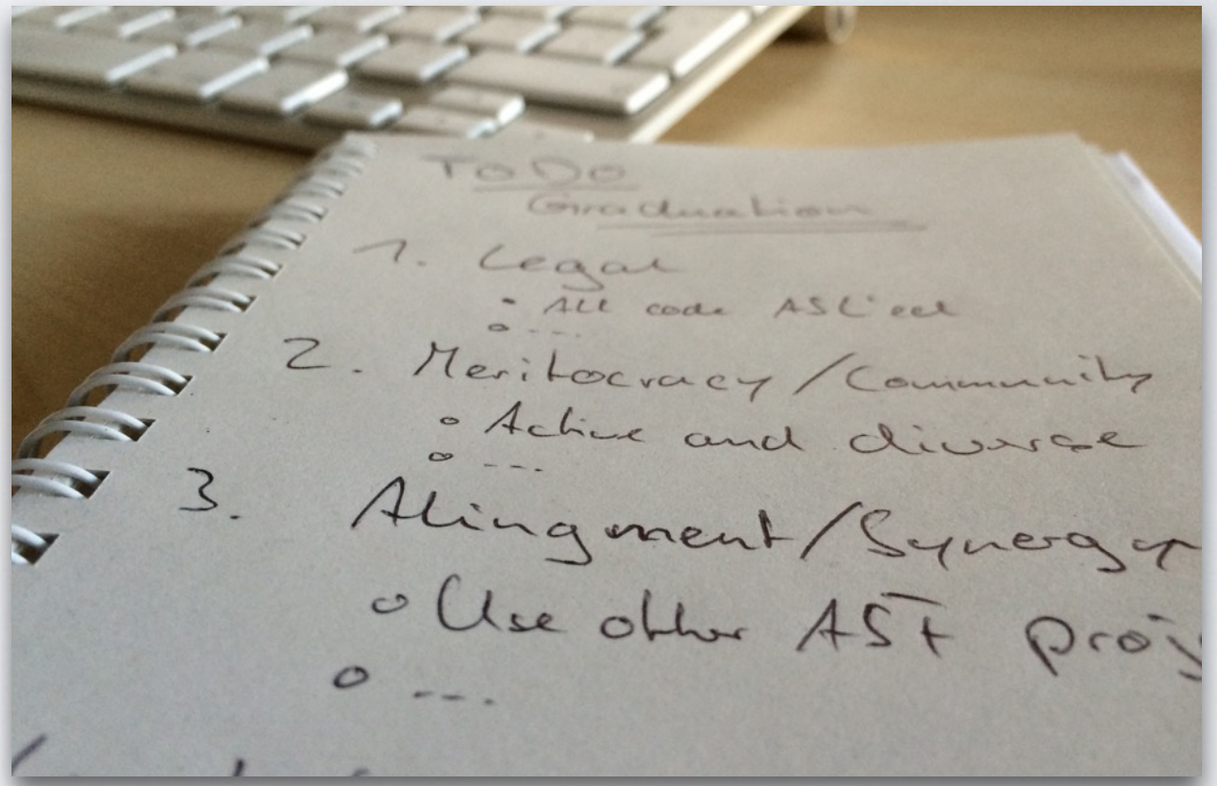


Fulfil The Apache TLP requirements



OUR APACHE WAY
PROMOTION

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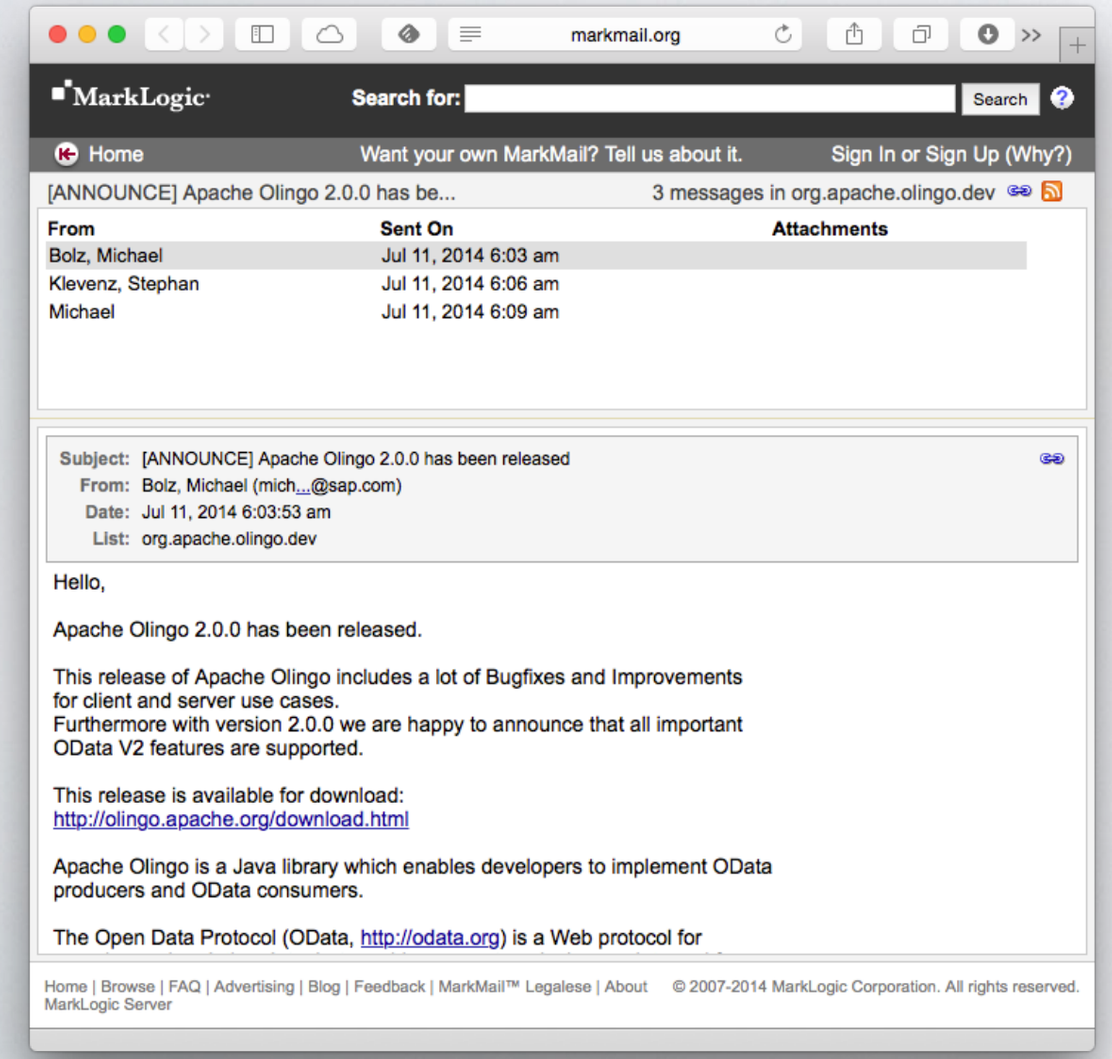
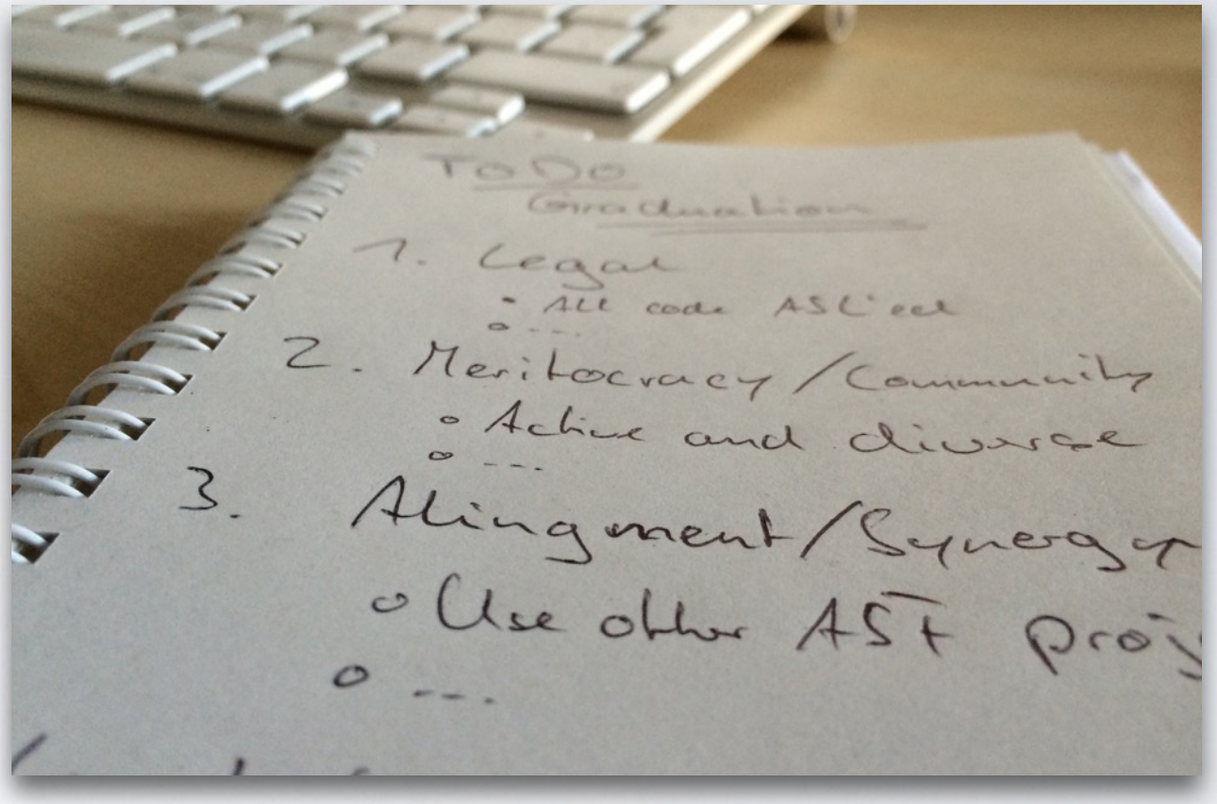




First TLP release

OUR APACHE WAY

LESSONS LEARNED

Lessons Learned

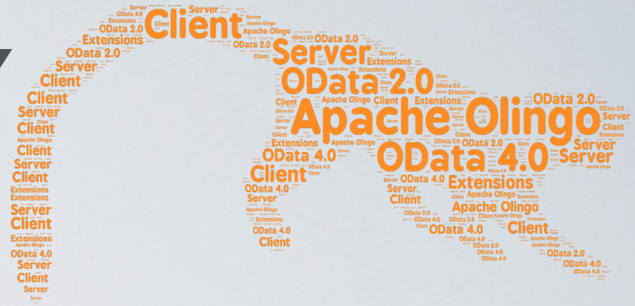
OUR APACHE WAY

LESSONS LEARNED

Community

OUR APACHE WAY

LESSONS LEARNED



Development Process

OUR APACHE WAY

LESSONS LEARNED

Documentation and Tutorials

OUR APACHE WAY

OUTLOOK

Outlook 2015

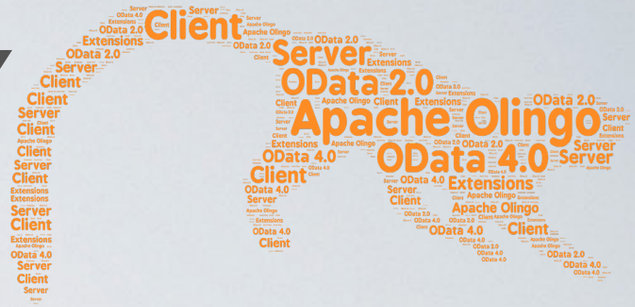
OUR APACHE WAY

OUTLOOK

More Community

OUR APACHE WAY

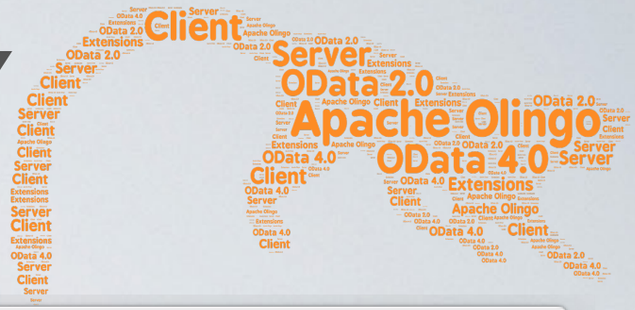
OUTLOOK



More documentation

OUR APACHE WAY

OUTLOOK



olingo.apache.org

Apache Olingo Library

Apache Olingo™ Home ASF License Download Documentation Support

The Apache Software Foundation http://www.apache.org/

Download OData 4.0 Java Library

Apache Olingo OData4 is a collection of Java libraries for implementing OData V4 protocol clients or servers.

stable August 15

Release 4.0.0-~~beta-02 (2015-01-29)~~

Full download page, release notes

The Apache *Olingo OData4 4.0.0-beta-02* release is the second beta release for implementation of *OData V4* specifications.

Commodity Packages

Package	zip	Description
Olingo OData Sources	Download (md5, sha512, pgp)	Complete source code.
Olingo OData Docs	Download (md5, sha512, pgp)	Documentation and JavaDoc.
Olingo OData Server for Java	Download (md5, sha512, pgp)	All you need to implement an OData V4 Java server.
Olingo OData Client for Java	Download (md5, sha512, pgp)	All you need to implement an OData V4 Java client.
Olingo OData Client for Android	Download (md5, sha512, pgp)	All you need to implement an OData V4 Android client.

First stable release of Olingo V4

CONTACT AND LINKS

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mibo@apache.org

@OneMibo

http://odata.org

http://olingo.apache.org

https://www.oasis-open.org/committees/odata/