TomcatCon London 2017
State of the Cat
Mark Thomas
Thank You
Retrospective
Community

- New Committers
  - Michael Osipov
  - Emmanuel Bourg
- Total 18
  - Active 5

- New PMC members
  - Coty Sutherland
  - Huxing Zhang
- Total 26
  - Active 14
## Releases

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Tomcat 6 EOL

Apache Tomcat 6
Rest In Peace

First Release
21 October 2006

EOL
31 December 2016

Final Release
7 April 2017

You Served Us Well
Tomcat 8.0.x vs 8.5.x

- 8.5.x was created from 9.0.0.M4
- Provides early access to 9.0.x features
- Same specifications as 8.0.x
- End of life for 8.0.x is 30 June 2018
Tomcat 9

- Java EE 8 was released on 18 September
- Servlet 4.0 implementation is complete
- No maintenance releases for
  - JSP
  - UEL
  - WebSocket
  - JASPIC
- 9.0.0 release is in progress (likely to be beta)
JRE Fixes

• UTF-8
  - Fixed for Java 9 and newer Java 8

• Memory leaks
  - Mainly around starting new threads
  - Fixed for Java 9 and latest Java 8

• Leak tracing
  - Removed old workaround that broke profilers
Metrics

- Fixed bugs: all versions: ~300
- Open bugs: all versions: ~10
- Open enhancement requests: all versions: 100 to 120
- LoC: Tomact 9: ~123k to 127k
Hiccups

- Request line validation
- HTTP reason phrase
- RFC 6265 cookie specification
- Host name validation
Security

- Refactoring
  - Send file
  - ByteBuffer
- New code
  - HTTP/2
- Java deserialization
- Security Manager bypass
- Error dispatch
- CORS
Future Plans
Tomcat 10

- Oracle is donating Java EE to the Eclipse Foundation
- There will be no Java EE 9
- There will be TBD 1.0 == Java EE 8
- TBD 2.0 will then follow
  - This is where functionality targeted at Java EE 9 is expected to land
Tomcat 10

- No firm plans
- Reactive programming
- Remove the APR/native connector
  - Replaced by NIO/NIO2 + OpenSSL
  - Simplified Tomcat Native
Questions
Thank you