STATE OF THE CAT
INTRODUCTIONS

markt

Tomcat committer since 2003
Tomcat PMC member since 2005

Also Commons, Dubbo, ASF member, Infrastructure volunteer, VP Brand Management, Director
RETROSPECTIVE

Looking back over the last 12 months
COMMUNITY

Emmanuel Bourg (ebourg) joined the PMC
Igal Sapir (isapir) joined as a committer

18 committers - 4 active
27 PMC members - 14 active

TomcatCon London
TomcatCon Training Manchester
ApacheCon EU Roadshow
# RELEASES

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TOMCAT 9

Java EE 8 released September 2017

First stable release (9.0.4) 2018-01-22
JRE FIXES

Memory leak in the common fork-join pool
LogManager change triggered stack trace on Tomcat start
TLS handshake bug when speaks TLS 1.3 but server does not
JRE RELEASES

Java 9 arrived...
... and reached EOL
Java 10 arrived...
... and has (almost) reached EOL
Java 11 has (almost) arrived
METRICS

Fixed ~150 bugs
Another ~100 bugs resolved
Typically ~5 open bugs
Less than 90 open enhancement requests
130k LoC
HICCUPS

Request line validation

Host validation
SECURITY

CVE-2018-1304/5: Security constraints
CVE-2018-1307: Async timeout race
CVE-2018-1336: UTF-8
CVE-2018-8014: CORS defaults
NEW/IMPROVED FEATURES

Update TLS configuration without restart
JSP pre-compilation is multi-threaded
web-fragment.xml support for JspC
OSGI metadata
FUTURE PLANS
TOMCAT 10

Java EE donation to Eclipse is in progress

Jakarta EE 8 (== Java EE 8) was expected June 2018

(Servlet | WebSocket | JSP | EL).next was expected from December 2018

No firm plans
TOMCAT 10

Remove APR/native connector
Support for OpenSSL clones
Modernization of native code
HTTP/2
Reduce GC
Reduce resource usage
REACTIVE I/O

Back pressure

May be included in Servlet.next
CLOUD CLUSTERING

Static membership is not flexible

Dynamic membership (currently) requires multi-cast

Cloud agnostic
QUESTIONS?
THANK YOU

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