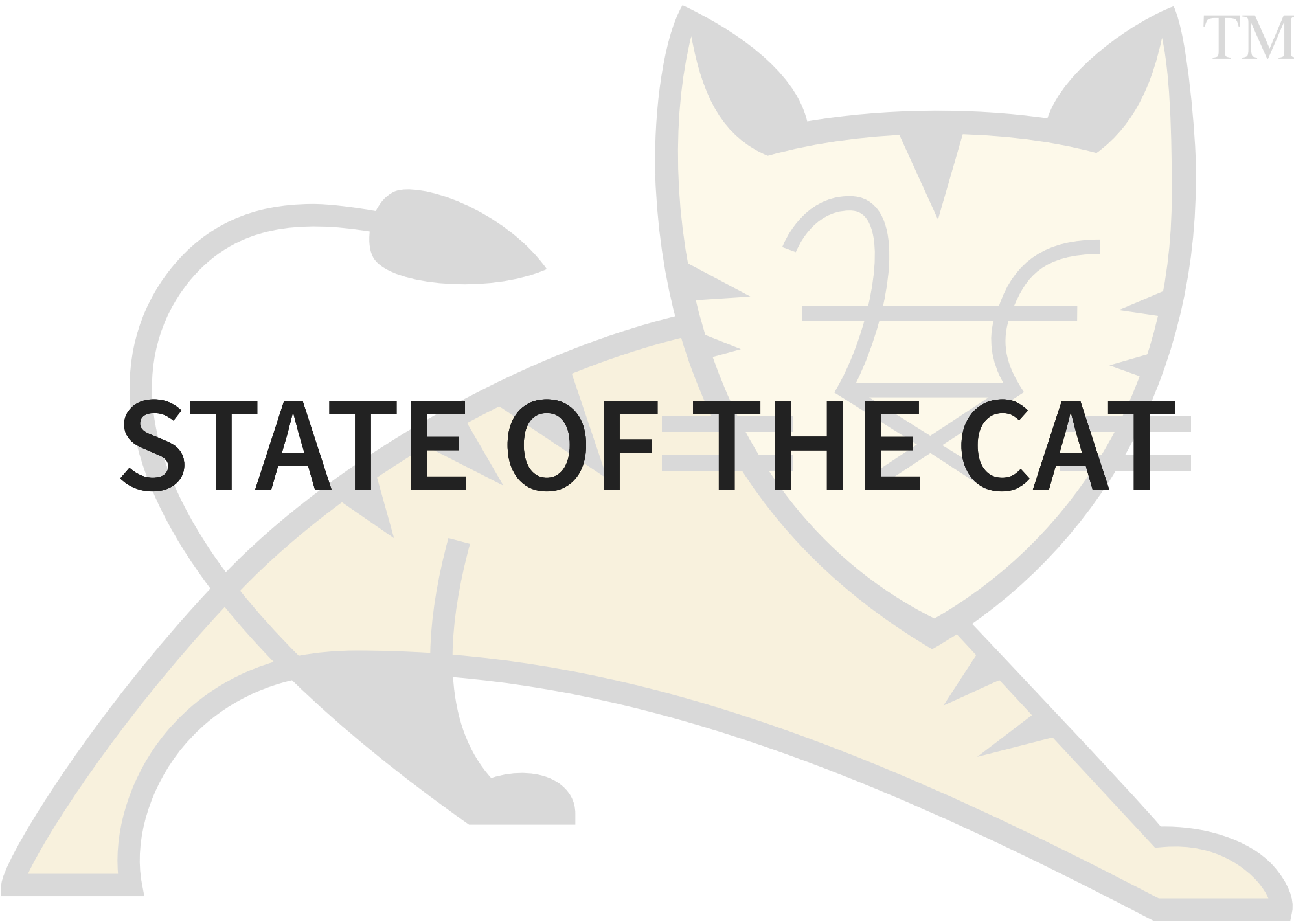


TM

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

	O	N	D	J	F	M	A	M	J	J	A	S
9.0.x	-	X	-	X	X	X	X	X	X	-	X	X
8.5.x	X	X	-	X	X	X	X	X	X	-	X	X
8.0.x	X	-	X	X	X	-	X	X	-	F	-	-
7.0.x	X	-	-	X	X	-	X	X	-	X	-	-
Native	-	X	-	-	-	-	-	-	X	-	-	-
mod_jk	-	-	-	-	-	X	-	-	-	-	-	X

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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