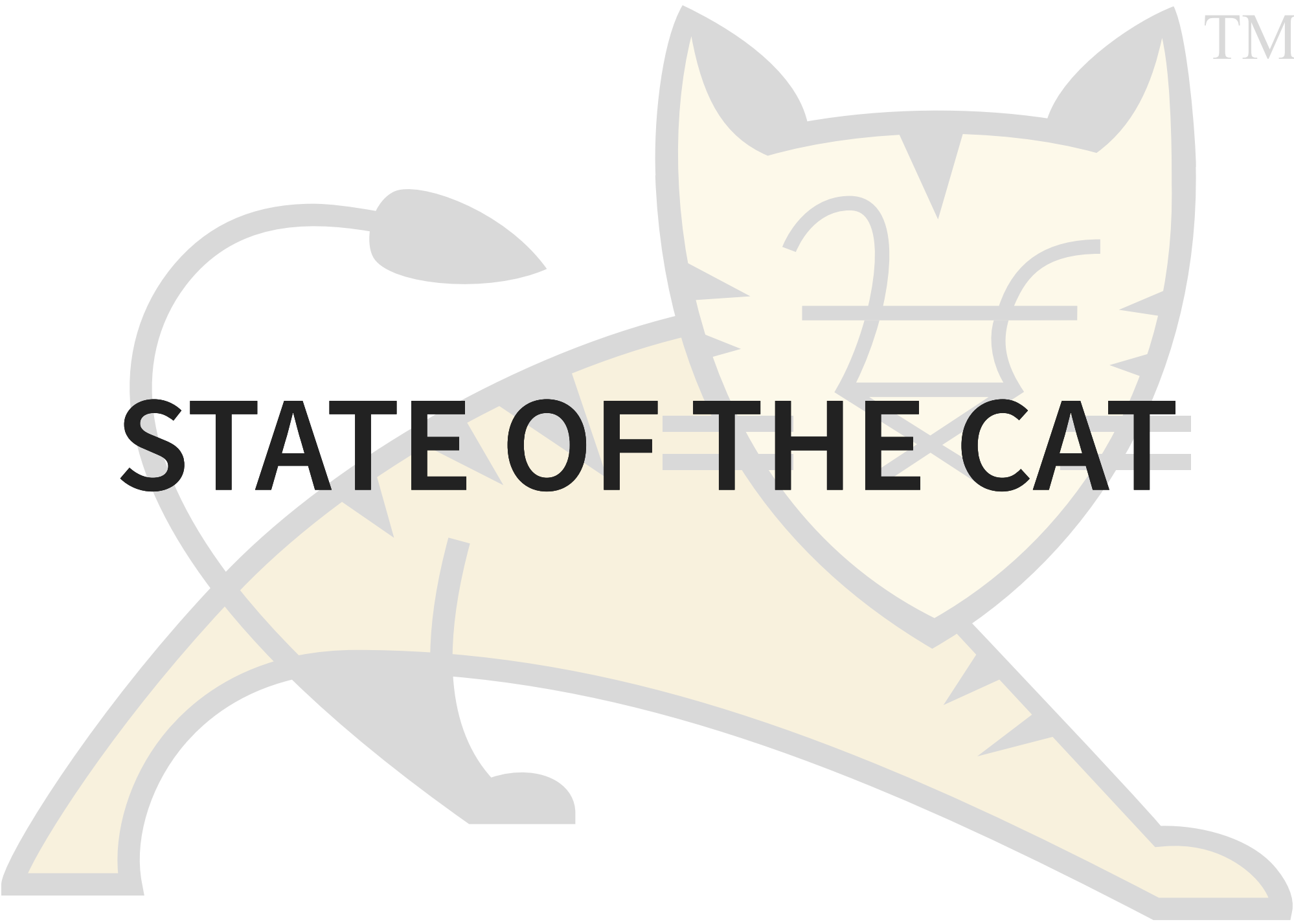STATE OF THE CAT

™

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 - 2 active

27 PMC members - 14 active

TomcatCon London

TomcatCon Training Manchester

BRANDING

Tomcat® is now a registered trademark in India

(Already registered in US and EU)

RELEASES

	J	J	A	S	O	N	D	J	F	M	A	M
9.0.x	X	X	X	XX	-	X	-	X	X	X	X	X
8.5.x	X	X	X	X	X	X	-	X	X	X	X	X
8.0.x	-	X	X	-	X	-	X	X	X	-	X	X
7.0.x	-	X	X	-	X	-	-	X	X	-	X	X
Native	-	-	-	X	-	X	-	-	-	-	-	-
mod_jk	-	-	-	-	-	-	-	-	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 stacktrace on Tomcat start

JRE RELEASES

Java 9 arrived…

… and reached EOL

Java 10 arrived

Java 11 is in early access

METRICS

Fixed ~200 bugs

Less than 10 open bugs

Less than 100 open enhancement requests

128k LoC

HICCUPS

Request line validation

Host validation

SECURITY

CVE-2017-5664: Error pages, HTTP method and DefaultServlet

CVE-2017-12615/6/7: RCE via PUT of a JSP

CCVE-2018-1304/5: Security constraints

NEW/IMPROVED FEATURES

Update TLS configuration without restart

LoadBalancerDrainingValve

tomcat-web.xml

ExtractingRoot

FUTURE PLANS

TOMCAT 10

Java EE donation to Eclipse is in progress

Servlet.next expected from December 2018

WebSocket.next 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

markt@apache.org