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)
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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 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