



MuleSoft Tcat Server: Enterprise Tomcat Made Simple

Rich Pulver, CTO, Reverus

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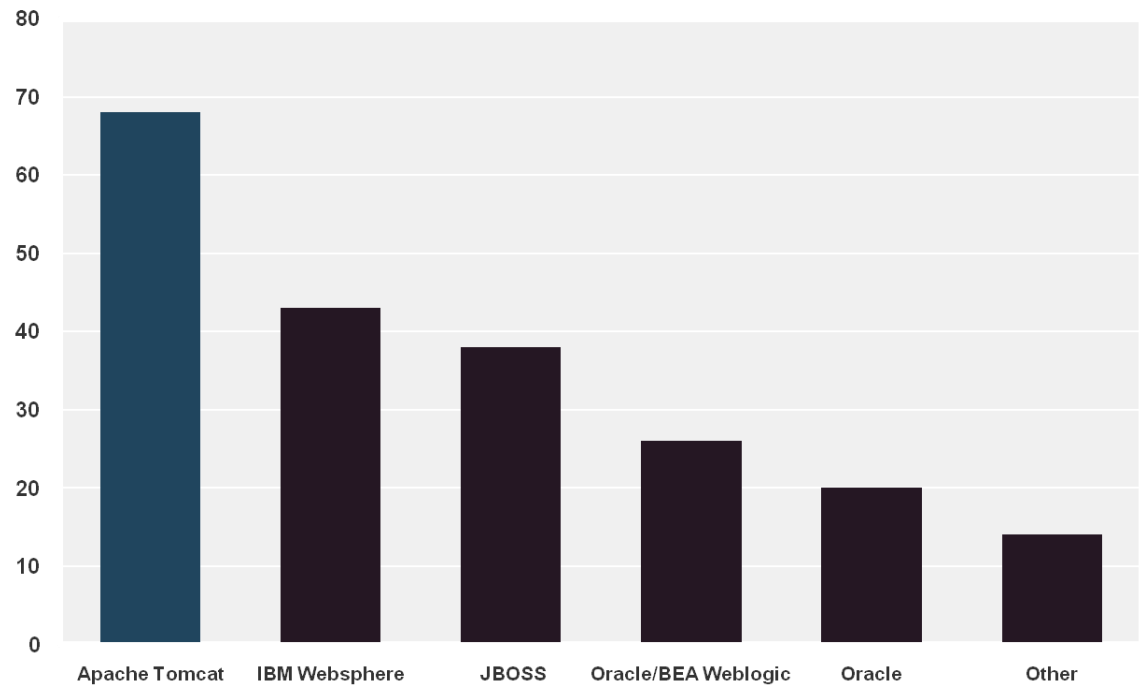
Sateesh Narahari, Director of Product Management

- ▶ Apache Tomcat: overview and what's missing
- ▶ MuleSoft Tcat Server: overview
- ▶ Application Provisioning and Diagnostics for Tomcat
- ▶ Why Tcat Server?
- ▶ Demo
- ▶ Observations from Operations
- ▶ Q&A

- ▶ The Best Application Server available today
 - Nothing else even comes close
 - Other options are bulky, proprietary, and complex
- ▶ Million downloads per month
 - Users are voting for Apache Tomcat with their downloads
- ▶ Strong Interest to move applications to Tomcat

App Servers in Use

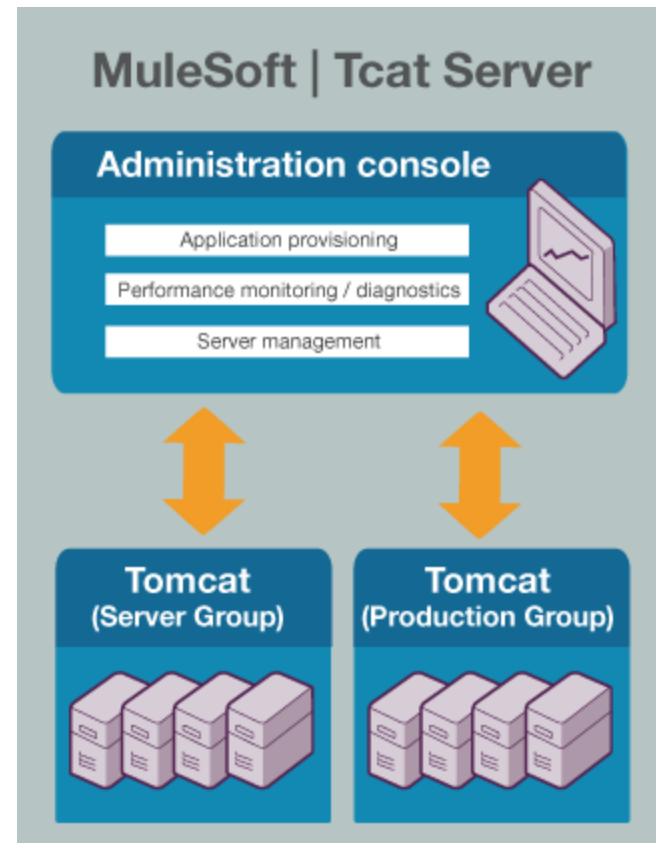
Percent of respondents



Source: Evans Data 2008; Gartner Dataquest

- ▶ Deployment of applications
 - Manual copying of WAR files is painful
 - Manager app is not secure enough
- ▶ Diagnosing problems with web applications
 - No good tool to get diagnostics data
 - No central console to manage Tomcat instances
- ▶ Enterprise Support
 - Tomcat is a great product, but who will fix our problems?

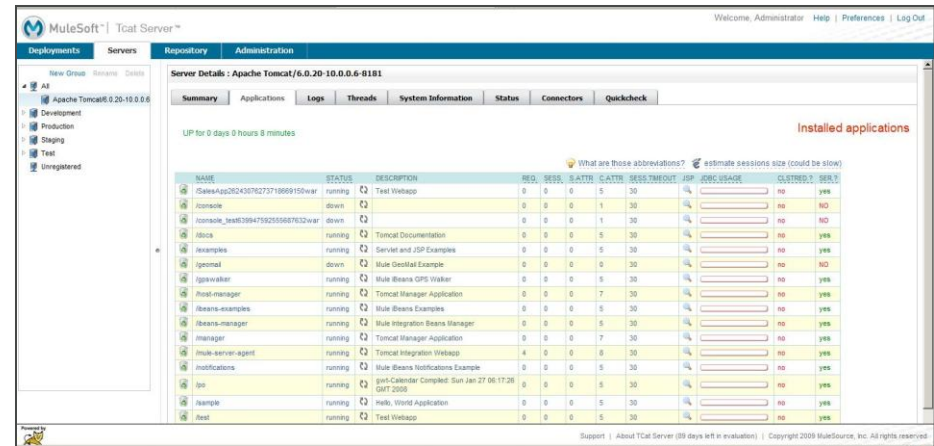
- ▶ 100% Tomcat with enterprise support
- ▶ Server and group management
- ▶ Application provisioning
- ▶ Performance diagnostics



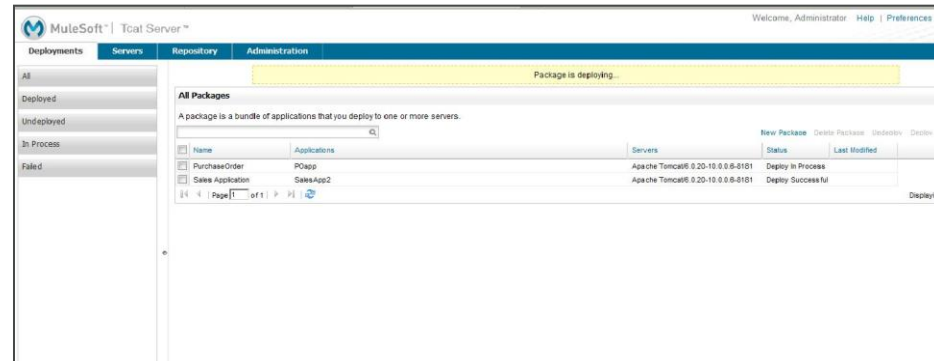
Product Drill Down

Dan Diephouse

- ▶ One-click deployment of applications (WAR files) from Tcat repository onto server/group
- ▶ Create deployment package comprised of multiple WAR files
- ▶ View real-time deployment status and historical data, for diagnostics and troubleshooting
- ▶ Simple version management

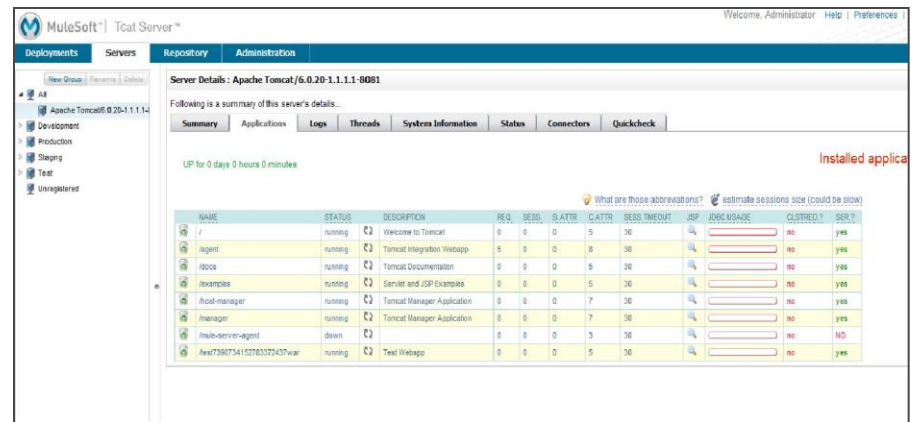


NAME	STATUS	DESCRIPTION	REDEP.	SESS.	S. ATTR.	C. ATTRS.	SESS.TIMEOUT	JSP	JDBC USAGE	CLUSTERS	SECURITY
!SalesApp20243670273718669150war	running	Test Webapp	0	0	0	5	30	no	no	no	yes
!tomcat	down	Test Webapp	0	0	0	1	30	no	no	no	no
!tomcat_test8394759255687632war	down	Test Webapp	0	0	0	1	30	no	no	no	no
!docs	running	Tomcat Documentation	0	0	0	5	30	no	no	no	yes
!examples	running	Servlet and JSP Examples	0	0	0	5	30	no	no	no	yes
!jspexml	down	Java Servlet Example	0	0	0	5	30	no	no	no	no
!jswelcome	running	Mule Beans GSP Worker	0	0	0	5	30	no	no	no	yes
!mgt-manager	running	Tomcat Manager Application	0	0	0	7	30	no	no	no	yes
!beans-examples	running	Mule Beans Examples	0	0	0	5	30	no	no	no	yes
!beans-manager	running	Mule Integration Beans Manager	0	0	0	5	30	no	no	no	yes
!manager	running	Tomcat Manager Application	0	0	0	7	30	no	no	no	yes
!mule-server-agent	running	Tomcat Integration Webapp	4	0	0	8	30	no	no	no	yes
!notifications	running	Mule Beans Notifications Example	0	0	0	5	30	no	no	no	yes
!jst	running	gwt-Calendar Compiled: Sun Jan 27 06:17:20 GMT-0500	0	0	0	5	30	no	no	no	yes
!helloworld	running	Hello, World Application	0	0	0	5	30	no	no	no	yes
!test	running	Test Webapp	0	0	0	5	30	no	no	no	yes



Name	Applications	Servers	Status	Last Modified
PurchaseOrder	POapp	Apache Tomcat/6.0.20-10.0.0.6-8181	Deploy In Process	
Sales Application	SalesApp2	Apache Tomcat/6.0.20-10.0.0.6-8181	Deploy Successful	

- ▶ Visibility into Tomcat system information
- ▶ Real-time application status
- ▶ Remote server logs
- ▶ In-depth system behavior

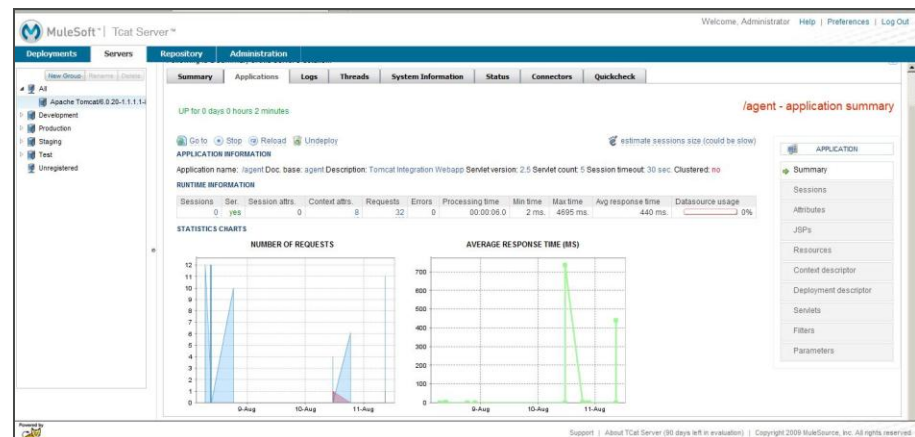


Server Details: Apache Tomcat/6.0.20-1.1.1-8081

Following is a summary of this server's details...

UP for 0 days 0 hours 0 minutes

NAME	STATUS	DESCRIPTION	REQ.	SESS.	S.ATTR.	C.ATTR.	SESS.TIMEOUT	JSP	JSPC. USAGE	CLUSTERED?	SESS.?
/	running	Welcome to Tomcat	0	0	0	5	30			no	yes
/agent	running	Tomcat Integration Webapp	5	0	0	5	30			no	yes
/docs	running	Tomcat Documentation	0	0	0	5	30			no	yes
/examples	running	Servlet and JSP Examples	0	0	0	5	30			no	yes
/host-manager	running	Tomcat Manager Application	0	0	0	7	30			no	yes
/manager	running	Tomcat Manager Application	0	0	0	7	30			no	yes
/mule-server-agent	down		0	0	0	3	30			no	NO
/test7360734152783322437war	running	Test Webapp	0	0	0	5	30			no	yes



/agent - application summary

UP for 0 days 0 hours 2 minutes

Application name: /agent.Doc.base.agent Description: Tomcat Integration Webapp Servlet version: 2.5 Servlet count: 5 Session timeout: 30 sec Clustered: no

RUNTIME INFORMATION

Sessions	Sess.	Session attrs.	Context attrs.	Requests	Errors	Processing time	Min time	Max time	Avg response time	Database usage
0	yes	0	0	32	0	00:00:06.0	2 ms.	4995 ms.	440 ms.	0%

STATISTICS CHARTS

NUMBER OF REQUESTS

AVERAGE RESPONSE TIME (MS)

Support | About Tcat Server (90 days left in evaluation) | Copyright 2009 MuleSource, Inc. All rights reserved.

MuleSoft Tcat Server

- ▶ Tcat designed to provide overall server monitoring and application management
- ▶ Tcat allows packaging multiple apps and deployment to multiple servers
- ▶ Tcat provides rich set of diagnostic metrics
- ▶ Tcat includes a repository to store and version your applications

Tomcat

- ▶ Tomcat Manager designed with for single server/instance management
- ▶ With Tomcat, you have to manually drop in War files or use Manager app to upload a single WAR file at a time
- ▶ Tomcat does not provide diagnostic metrics
- ▶ Tomcat does not have a repository to store and version your applications

- ▶ Central Console for management
- ▶ Provides for quick view of overall server health
- ▶ Server Management
 - Grouping of servers by function or applications
 - Securing access to servers
 - Detailed information from all servers
- ▶ Application Management
 - Simple management of applications
 - Version tracking for applications



Questions?

Download MuleSoft Tcat Server today!

<http://www.mulesoft.com/>

** MuleSoft Tcat Server is free for pre-production use. If you download before September 30th, you can get 50% off your subscription for production use (terms apply). **