

Recognized System Properties for JIRA

JIRA supports some configuration and debugging settings that can be enabled through Java system properties. System properties are usually set by passing the `-D` flag to the Java virtual machine in which JIRA is running. See [Setting Properties and Options on Startup](#).

List of Startup Parameters

Memory Property	Notes	Related Pages
-Xmx -Xms XX:MaxPermSize	These properties are pre-existing. See related pages for instructions.	Increasing JIRA Memory
-XX:+PrintGCTimeStamps -verbose:gc -Xloggc:gc.log -XX:+HeapDumpOnOutOfMemoryError	Set these for Garbage Collection tuning.	Using Garbage Collection Logs to Analyze JIRA Application Performance Using Memory Dumps to Analyze OutOfMemoryErrors
-agentlib:yjpagent=onexit=memory,dir=/path/to/write/snapshots		Profiling Memory and CPU Usage with YourKit
Mail Property	Notes	Related Pages
-Datlassian.mail.senddisabled -Datlassian.mail.fetchdisabled -Datlassian.mail.popdisabled	Set to 'true' to disable mail. In Linux <code>setenv.sh</code> , there is a pre-existing flag to uncomment.	Migrating JIRA to Another Server Notifications Are Issued for Incorrect Issues
-Dmail.debug	If set to "true", logs statements related to mail	Configuring JIRA to Send SMTP Mail Creating Issues and Comments from Email
-Dmail.mime.decodestrict		Unable to Decode Mail Subject or Body when Creating Issue From Email
-Dmail.imap.auth.plain.disable -Dmail.imaps.auth.plain.disable		Authenticate failed error when connecting to Exchange
-Dmail.imap.starttls.enable		'javax.mail.MessagingException No login methods supported' due to IMAP over SSL
-Dmail.mime.decodeparameters	Sets mail handler to work correctly with emails from RFC 2231-compliant mail clients.	Installing JIRA WAR-EAR Installing JIRA on Tomcat 5.5 JIRA 4.0 Upgrade Guide
-Dmail.smtp.localhost		Problems Sending Email from JIRA - EHLO requires domain address
Encoding Property	Notes	Related Pages
-Dfile.encoding	Set to utf-8 for encoding consistency	Integrating JIRA with CVS and ViewCVS Characters Not Supported by ASCII are Being Displayed as Question Marks JIRA Application internationalisation and encoding troubleshooting SQL Exception while updating issues or importing data in JIRA applications with MySQL due to encoding International Characters in Notification Email Subject Lines Are Being Replaced with Question Mark
Other Properties	Notes	Related Pages
-Djira.trackback.senddisabled	When set to true, disables trackbacks	Enabling Trackback
-Duser.timezone		Incorrect Times Displayed in JIRA
-Dsvnkit.http.methods	Values include Basic,Digest,Negotiate,NTLM	JIRA Startup Fails Due to 'java.lang.SecurityException Unable to locate a login configuration' Subversion Plugin Displays 'An unknown error occurred - actions == null' Due to SVN Authentication
-Dorg.apache.jasper.runtime.BodyContentImpl.LIMIT_BUFFER	false	OutOfMemory Due to Tomcat Memory Leak JRA-10145
-ea/-da	Enable/Disable assertions	java.lang.AssertionError When Sending Mail Via SMTP
-Djava.net.preferIPv4Stack		SocketException to Announce 'Invalid argument' for an Available Port

-Djavax.net.ssl.trustStore		Connecting to SSL services Unable to Access SSL Services due to java.security.InvalidAlgorithmParameterException
-Djava.awt.headless	Ships with true by default. Allows thumbnail generation.	