



Webinar

Zabbix Java Gateway: Installation, Tips and Monitoring Tomcat and WildFly

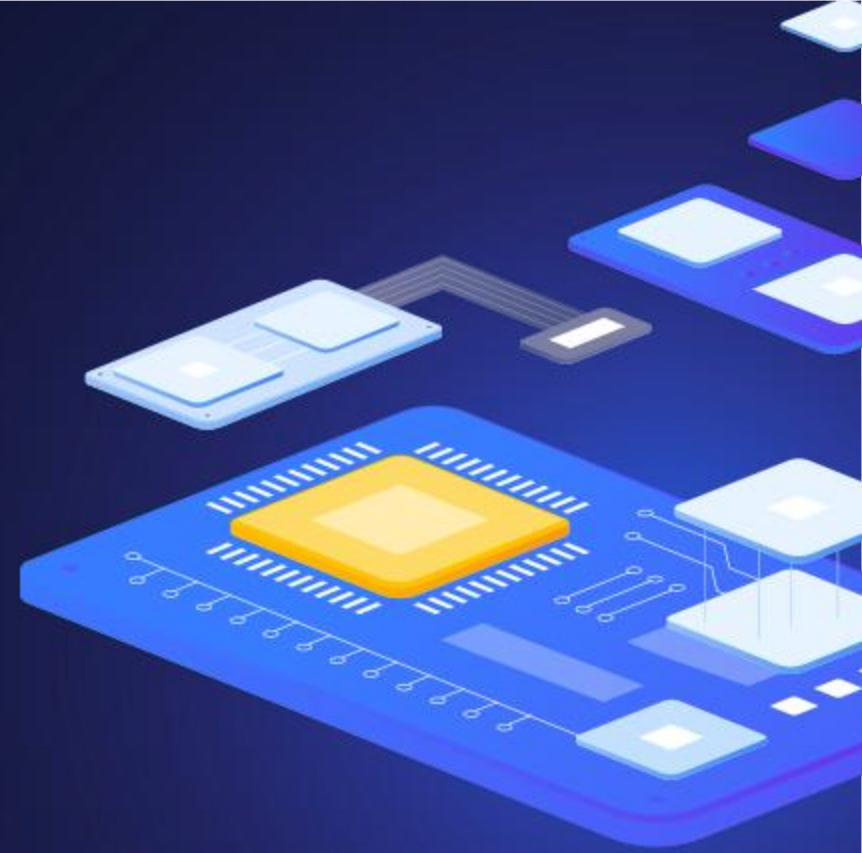
all your microphones are muted

ask your questions in Q&A, not in the Chat

use Chat for discussion, networking or applause

1

Introduction to Zabbix Java Gateway



Introduction to Zabbix Java Gateway

What is Zabbix Java Gateway?

- › **Standalone component** of Zabbix for monitoring Java applications using **JMX** (Java Management Extensions).
- › Enables Zabbix to **collect metrics** directly from Java applications.
- › Must be connected to a **Zabbix Server** or **Zabbix Proxy**.
- › **Written in Java** (requires Java Runtime Environment).



Introduction to Zabbix Java Gateway

Deployment Considerations

- › **Only one Java Gateway** per Zabbix Server or Proxy.
 - › For multiple Java Gateways, deploy additional **Zabbix Proxies** (active/passive).
- › **Communication between Zabbix components** and Java Gateway **cannot be encrypted**.
 - › As of version 7.4, it's the last remaining internal Zabbix communication channel without encryption.
- › Communication from Java Gateway to monitored Java applications **can be secured** (encrypted and/or authenticated).
- › **Version alignment** is critical—Zabbix Java Gateway **must match the Zabbix server/proxy version**.
- › Don't forget to explicitly define **allowed IP addresses** in the Java Gateway configuration (`zabbix_java_gateway.conf`).



Introduction to Zabbix Java Gateway

Installation & Best Practices

- › **Java Runtime Environment (JRE)** is automatically installed alongside Zabbix Java Gateway (it is Java-based).
- › **No dedicated template** provided by Zabbix for the Java Gateway itself—use the generic Java template.
- › **Custom libraries (JAR files)** might be needed for specific Java servers, typically located in the application's bin directory.
- › Proper configuration of **Java pollers** is crucial—settings must be aligned on both:
 - › Zabbix Server/Proxy (**Java pollers count**)
 - › Zabbix Java Gateway (**start pollers**)
- › **Recommended practice:** Deploy Zabbix Java Gateway alongside Zabbix Server or Proxy on the same machine for enhanced security.



2

Installation and self
monitoring



Introduction to Zabbix Java Gateway

Installation and self monitoring

- ▶ Add official Zabbix repository:

```
rpm -Uvh https://repo.zabbix.com/zabbix/8.0/release/alma/9/noarch/zabbix-release-latest-8.0.el9.noarch.rpm
```

- ▶ Clean DNF cache:

```
dnf clean all
```

- ▶ Install Java Gateway:

```
dnf install zabbix-java-gateway
```

Introduction to Zabbix Java Gateway

Configuration Files

- › **Zabbix Java Gateway:**
 - › zabbix_java_gateway.conf – main configuration
 - › zabbix_java_gateway_logback.xml – logging configuration
- › **Zabbix Server:**
 - › zabbix_server.conf
- › **Zabbix Proxy:**
 - › zabbix_proxy.conf



Introduction to Zabbix Java Gateway

Enable Java Gateway in Zabbix

- ▶ After installation, enable Java monitoring in your **server** or **proxy** by editing these parameters:
- ▶ **JavaGateway**: IP or DNS of Zabbix Java Gateway
 - ▶ Recommended setting (security best practice):

```
JavaGateway=127.0.0.1
```

- ▶ **JavaGatewayPort**: communication port
 - ▶ Default is recommended:

```
JavaGatewayPort=10052
```

- ▶ (Not registered in IANA, may trigger IDS/IPS alerts if changed)

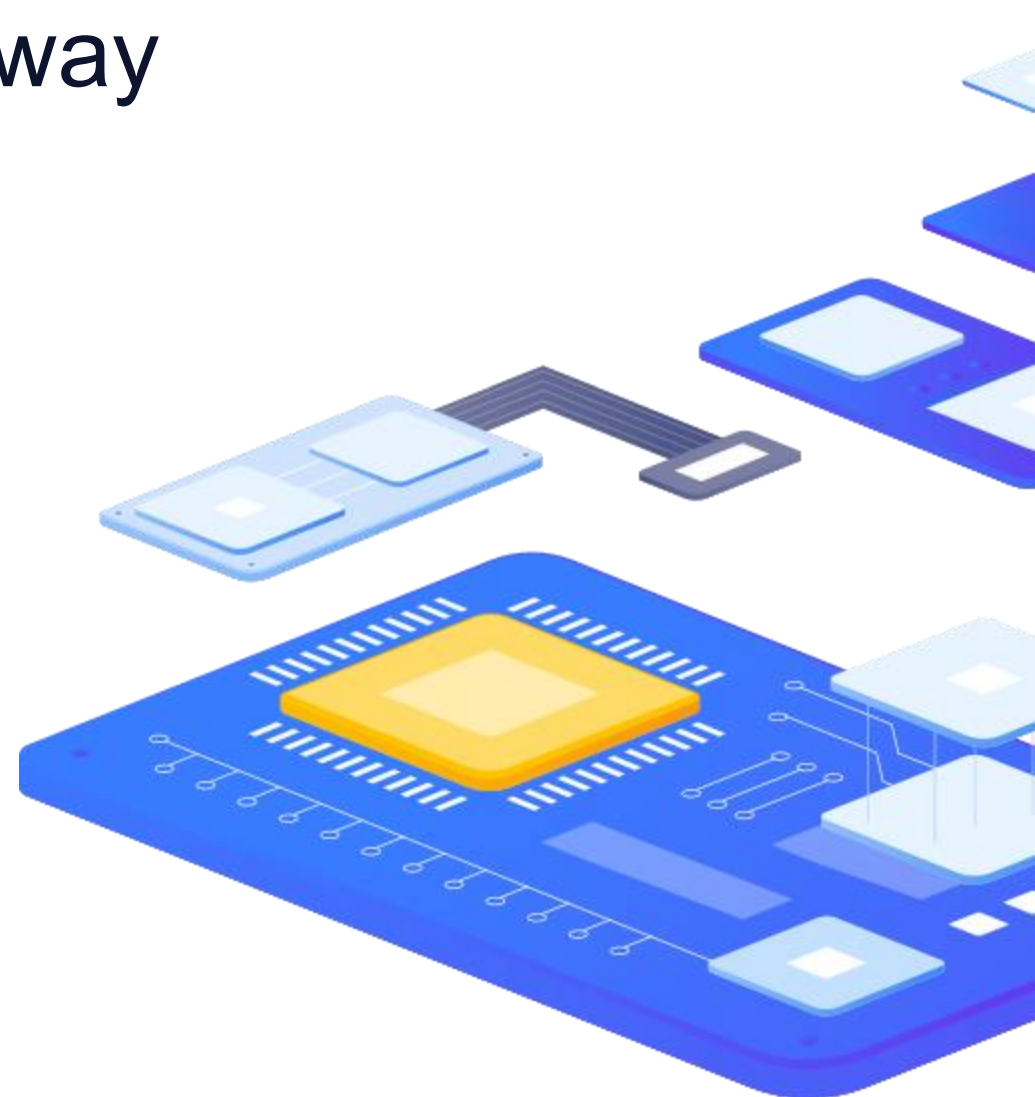


Introduction to Zabbix Java Gateway

Enable Java Gateway in Zabbix

- › **StartJavaPollers**: number of Java pollers started on Zabbix server/proxy
 - › Default is disabled (0), Java monitoring off
 - › Recommended starting value: 5 pollers
 - › If changed, align this number also in Java Gateway configuration!
 - › When using multiple Zabbix servers/proxies with one gateway, sum their poller counts:
 - › Example: server1 has 5 pollers, server2 has 10 → set Java Gateway pollers to **15**.

```
StartJavaPollers=5
```



Introduction to Zabbix Java Gateway

Important Java Gateway parameters

- ▶ After configuration, restart your Zabbix components. But wait—Java Gateway itself also needs monitoring!
- ▶ Critical configuration parameters (zabbix_java_gateway.conf):

```
LISTEN_IP="0.0.0.0"  
LISTEN_PORT=10052  
PID_FILE="/var/run/zabbix/zabbix_java_gateway.pid"  
START_POLLERS=5  
TIMEOUT=3  
PROPERTIES_FILE=
```

- ▶ Special monitoring section (self-monitoring):
Uncomment the following line to enable built-in JMX monitoring of the Gateway itself (JAVA_OPTIONS):

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.management.jmxremote -Dcom.sun.management.jmxremote.port=12345  
-Dcom.sun.management.jmxremote.authenticate=false -Dcom.sun.management.jmxremote.ssl=false -  
Dcom.sun.management.jmxremote.registry.ssl=false"
```

- ▶ **Important:** Ensure each Java option (-Dcom...) starts immediately after space, with **no extra spaces inside!**

Introduction to Zabbix Java Gateway

Verifying and monitoring setup

After uncommenting and configuring **monitoring lines**, **restart**:

- › Zabbix Java Gateway
- › Zabbix Server or Proxy (if configuration changed)

Add or edit your host in Zabbix frontend:

- › Create a host for Zabbix Java Gateway itself or use an existing host.
- › Add a new JMX-type interface.
- › Apply built-in template: **Generic Java JMX**.

Monitoring status:

- › After short delay, JMX icon turns **green**.
- › Java Gateway is now ready and monitored.



Introduction to Zabbix Java Gateway

Why is this important?

- ▶ Zabbix by default monitors only Java poller availability.
- ▶ Additional self-monitoring via JMX ensures your Java Gateway is operational and detects common issues early, especially Java heap memory problems:

```
java.lang.OutOfMemoryError: Java heap space
```



3

Java keys and endpoints



Java Keys – Introduction

Using Zabbix Java Gateway for Java Monitoring

Zabbix provides specialized keys for JMX monitoring:

- ▶ **jmx**: Standard JMX query to obtain specific values.
- ▶ **jmx.get**: Recommended method for **low-level discovery (LLD)**.
- ▶ **jmx.discovery**: Legacy method, **no longer recommended**.

- ▶ **Example of standard jmx key:**

```
jmx["Catalina:type=DataSource,host=localhost,context=/dbcheckapp,class=javax.sql.DataSource,name=\"jdbc/mydb\", \"idle\"]
```

Java Keys – Discovery Examples

Using Zabbix Java Gateway for Java Monitoring

Recommended method (jmx.get):

- ▶ **jmx.get:** Recommended method for **low-level discovery (LLD)**.

```
jmx.get[beans, "Catalina:type=DataSource,host=localhost,context=*,class=javax.sql.DataSource,name=*"]
```

- ▶ **Legacy method (jmx.discovery, not recommended):**

```
jmx.discovery[beans, "Catalina:type=Manager,host=*,context=*"]
```

- ▶ **Reason for recommendation:**
- ▶ jmx.get is more flexible, reliable, and easier for ongoing maintenance.

Java Endpoint – URL Structure Explained

General syntax for JMX endpoints:

```
service:jmx:rmi:///jndi/rmi://<host>:<port>/jmxrmi
```

Explanation of each part:

- › **service:** Specifies a service endpoint.
- › **jmx:** Indicates Java Management Extensions service.
- › **rmi:** Remote Method Invocation protocol (**default for JMX**).
- › **/// (triple slash):** Separates the protocol specification from the object path.
- › **jndi:** Java Naming and Directory Interface (JNDI), helps locate remote objects.
- › **rmi://<host>:<port>:** Specifies host and port of the JMX service.
- › **/jmxrmi:** Standard object name provided by Java applications.

Java Endpoint – Practical Examples

Apache Tomcat example:

```
service:jmx:rmi:///jndi/rmi://tomcat-server:9004/jmxrmi
```

WildFly example (default setup):

```
service:jmx:remote+http://wildfly-server:9990
```

Default Java application example:

```
service:jmx:rmi:///jndi/rmi://localhost:12345/jmxrmi
```

For more details, please refer to the [official documentation](#) of your application server.

Java Keys & Endpoints – Tips and Best Practices

- ▶ Always prefer **jmx.get** over `jmx.discovery` for discovery (LLD).
- ▶ Ensure **endpoint definitions match exactly** between Java applications and Zabbix configuration (port, protocol, security).
- ▶ When possible, enable **authentication and/or encryption** for endpoints.
- ▶ Regularly check Java Gateway logs for clear troubleshooting insights.

- ▶ **Typical error message:**

```
java.io.IOException: Failed to retrieve RMIServer stub
```

(Usually indicates network connectivity or configuration issues, like incorrect port or firewall restrictions.)

4

Java helpers



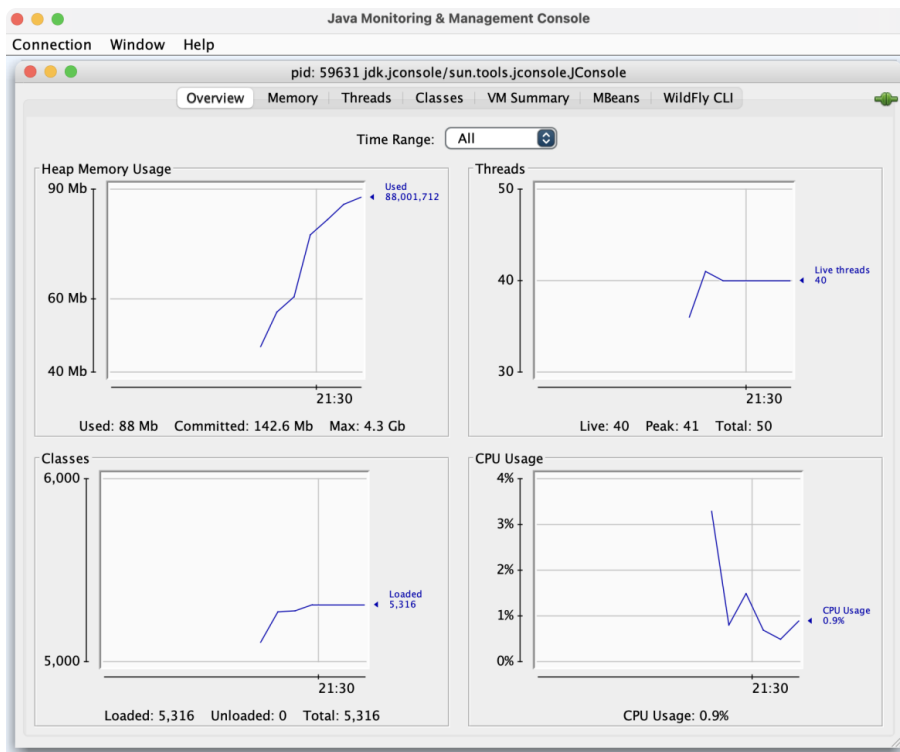
Java Helpers – Overview

▶ JConsole:

- ▶ Graphical interface for easy JMX monitoring
- ▶ Simple and intuitive
- ▶ Part of the Java Development Kit

▶ Jmxterm:

- ▶ Command-line interface (CLI) for advanced JMX interaction
- ▶ Flexible and script-friendly



```
wget https://github.com/jiaqi/jmxterm/releases/download/v1.0.4/jmxterm-1.0.4-uber.jar
```

```
root@student-postgresql-02 ~ # java -jar jmxterm-1.0.4-uber.jar
Delete /root/.jmxterm_history if you encounter error right after launching me.
Welcome to JMX terminal. Type "help" for available commands.
$>open localhost:9010 -u monitorRole -p Password1
#Connection to localhost:9010 is opened
$>domains
#following domains are available
Catalina
JMImplementation
Users
com.sun.management
java.lang
java.nio
java.util.logging
jdk.management.jfr
tomcat.jdbc
$>
```

JConsole – Quick Introduction

Purpose:

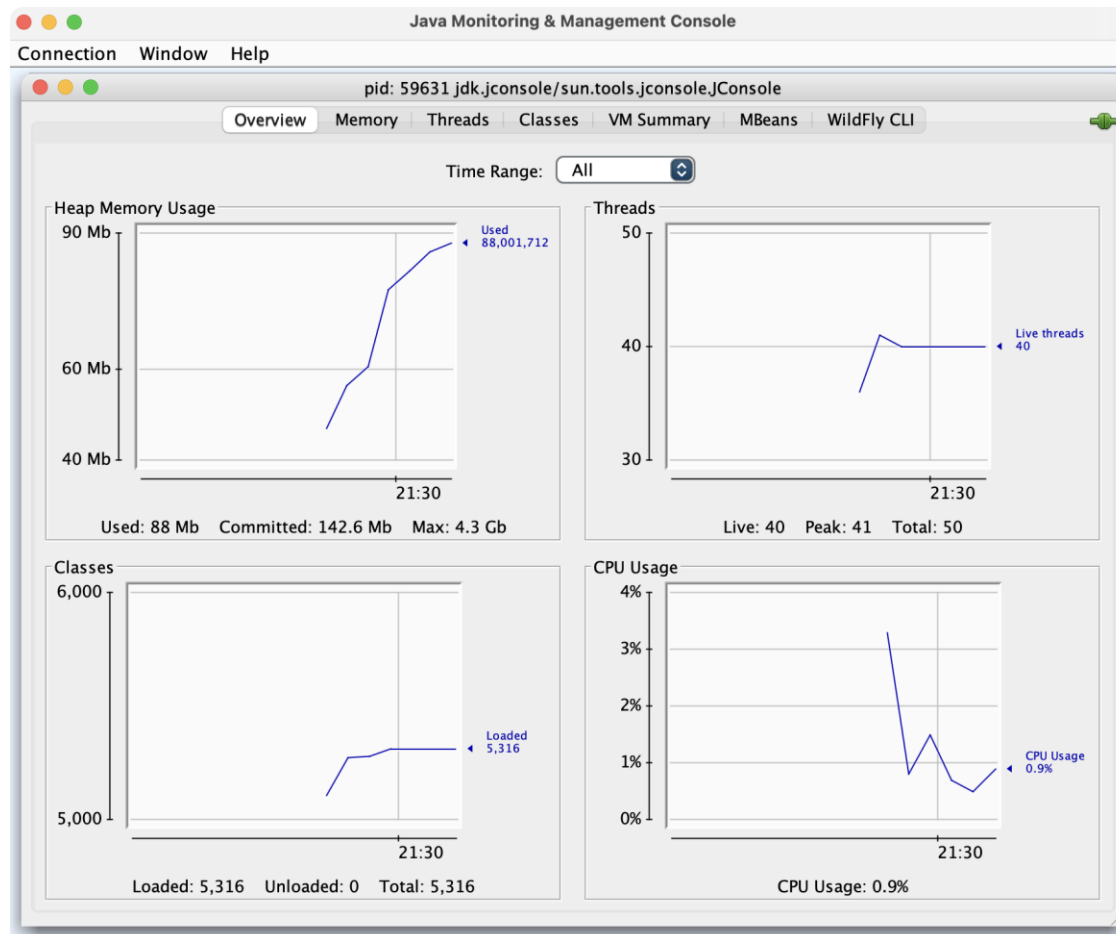
- ▶ Graphical Java management and monitoring tool.

Benefits:

- ▶ Easy-to-use GUI.
- ▶ Live metrics overview: heap memory, threads, CPU, loaded classes.
- ▶ Quick access to JMX Beans for troubleshooting.

Typical use cases:

- ▶ Initial verification of JMX configuration.
- ▶ Checking real-time performance and resource consumption.



Jmxterm – Quick Introduction

Purpose:

- › Command-line tool to interact with JMX beans.

Benefits:

- › Ideal for scripting and automation.
- › Flexible, precise querying of specific MBeans.

Typical use cases:

- › Troubleshooting complex JMX queries.
- › Automation and validation in deployment scripts.

Download:

- › github.com/jiaqi/jmxterm

```
$>get -b java.lang:type=Memory HeapMemoryUsage
#mbean = java.lang:type=Memory:
HeapMemoryUsage = {
    committed = 52428800;
    init = 60817408;
    max = 960495616;
    used = 37248656;
};

$>
```

Comparison – JConsole vs Jmxterm

Feature	JConsole	Jmxterm
Interface:	GUI	CLI
Complexity:	User-friendly, simple	Advanced, technical
Installation:	Bundled with JDK	Separate download
Best for:	Initial checks, quick monitoring	Automation, advanced debugging

Recommendation:

- › **JConsole** for quick checks and beginners.
- › **Jmxterm** for advanced troubleshooting and scripting.

Common Issues & Troubleshooting Tips

Common problems when using JConsole or Jmxterm:

- › **Missing libraries causing incomplete metrics visibility.**
- › **Connection issues due to firewall restrictions or incorrect port configuration.**

Recommendations:

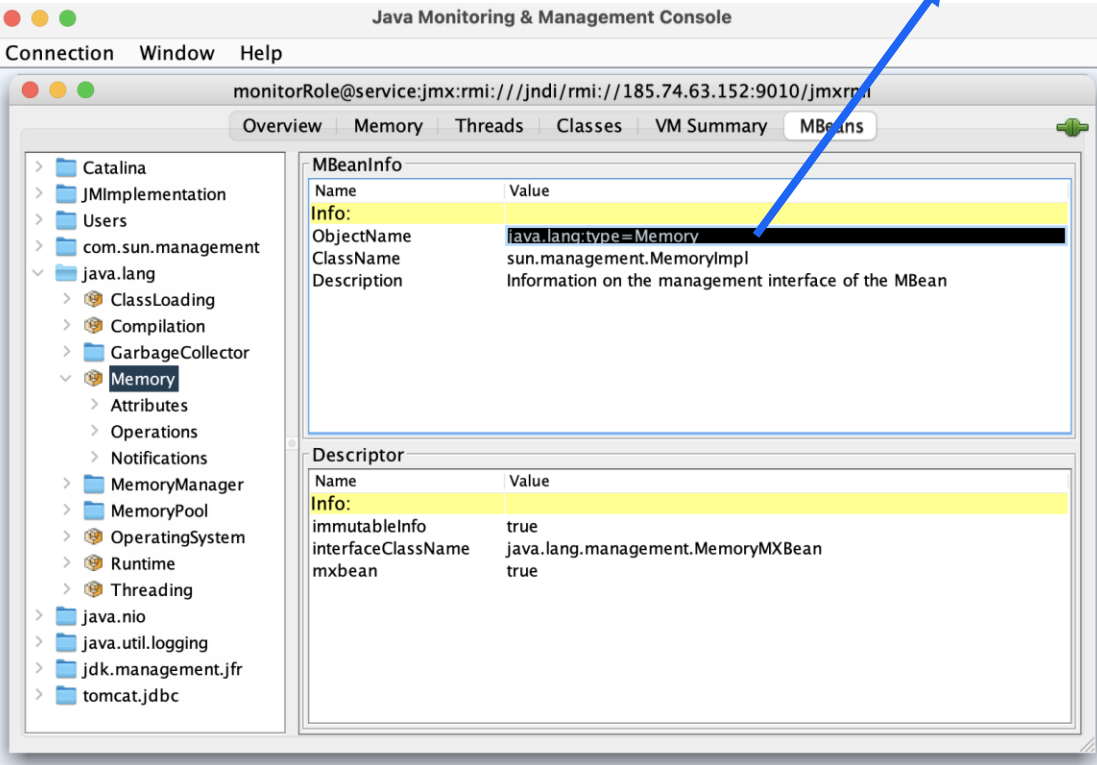
- › **Always verify connectivity first using simple tools (telnet, nc).**
- › **Ensure necessary Java libraries (.jar) are included in classpath for JConsole/Jmxterm if required by the monitored application.**



How to use it?

Type

* Key



Java Monitoring & Management Console

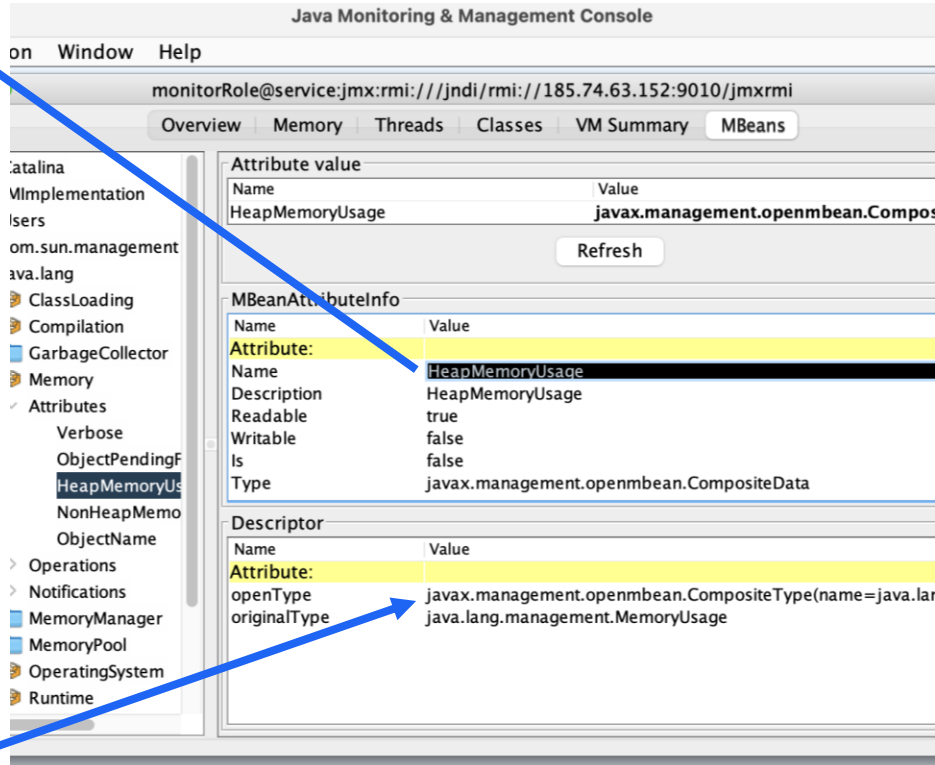
monitorRole@service:jmx:rmi:///jndi/rmi://185.74.63.152:9010/jmxrmi

Overview Memory Threads Classes VM Summary MBeans

Catalina
JMImplementation
Users
com.sun.management
java.lang
 ClassLoading
 Compilation
 GarbageCollector
 Memory
 Attributes
 Operations
 Notifications
 MemoryManager
 MemoryPool
 OperatingSystem
 Runtime
 Threading
java.nio
java.util.logging
jdk.management.jfr
tomcat.jdbc

Name	Value
Info:	
ObjectName	java.lang:type=Memory
ClassName	sun.management.MemoryImpl
Description	Information on the management interface of the MBean

Name	Value
Descriptor	
immutableInfo	true
interfaceClassName	java.lang.management.MemoryMXBean
mxbbean	true



Java Monitoring & Management Console

monitorRole@service:jmx:rmi:///jndi/rmi://185.74.63.152:9010/jmxrmi

Overview Memory Threads Classes VM Summary MBeans

Catalina
JMImplementation
Users
com.sun.management
java.lang
 ClassLoading
 Compilation
 GarbageCollector
 Memory
 Attributes
 Verbose
 ObjectPendingFinalization
 HeapMemoryUsage
 NonHeapMemoryUsage
 ObjectName
 Operations
 Notifications
 MemoryManager
 MemoryPool
 OperatingSystem
 Runtime

Name	Value
Attribute value	
Name	HeapMemoryUsage
Value	javax.management.openmbean.CompositeData

Refresh

Name	Value
MBeanAttributeInfo	
Attribute:	HeapMemoryUsage
Name	HeapMemoryUsage
Description	HeapMemoryUsage
Readable	true
Writable	false
Is	false
Type	javax.management.openmbean.CompositeData

Name	Value
Descriptor	
Attribute:	
openType	javax.management.openmbean.CompositeType(name=java.lang.management.MemoryUsage)
originalType	java.lang.management.MemoryUsage

```
javax.management.openmbean.CompositeType(name=java.lang.management.MemoryUsage,items=((itemName=committed,itemType=javax.management.openmbean.SimpleType(name=java.lang.Long)),(itemName=init,itemType=javax.management.openmbean.SimpleType(name=java.lang.Long)),(itemName=max,itemType=javax.management.openmbean.SimpleType(name=java.lang.Long)),(itemName=used,itemType=javax.management.openmbean.SimpleType(name=java.lang.Long))))
```

5

Tomcat monitoring



Tomcat Monitoring – Installation & Initial Setup

Default installation (Rocky Linux):

```
dnf install tomcat tomcat-webapps tomcat-admin-webapps tomcat-docs-webapp
```

Enable JMX monitoring with authentication:

▶ Edit `/etc/tomcat/tomcat.conf` add: (Don't forget to change your IP – monitored host not Zabbix!)

```
JAVA_OPTS="-Dcom.sun.management.jmxremote \  
-Dcom.sun.management.jmxremote.port=9010 \  
-Dcom.sun.management.jmxremote.rmi.port=9010 \  
-Dcom.sun.management.jmxremote.ssl=false \  
-Dcom.sun.management.jmxremote.authenticate=true \  
-Dcom.sun.management.jmxremote.password.file=/etc/tomcat/jmxremote.password \  
-Dcom.sun.management.jmxremote.access.file=/etc/tomcat/jmxremote.access \  
-Djava.rmi.server.hostname=185.74.63.152 \  
-Djava.net.preferIPv4Stack=true"
```

JMX Authentication Configuration

Create JMX access roles and passwords:

- ▶ Edit or create `/etc/tomcat/jmxremote.access`:

```
monitorRole readonly  
controlRole readwrite
```

- ▶ Edit or create `/etc/tomcat/jmxremote.password`:

```
monitorRole Password1  
controlRole Password2
```

- ▶ Set correct permissions for security:

```
chmod 600 /etc/tomcat/jmxremote.*  
chown tomcat:tomcat /etc/tomcat/jmxremote.*
```

Finalizing JMX Setup & Firewall

Restart Tomcat service:

```
systemctl restart tomcat.service
```

› Open firewall port (9010/tcp):

```
firewall-cmd --permanent --add-port=9010/tcp  
firewall-cmd --reload
```

Test your JMX connection:

› JMX Endpoint:

Credentials:

› Username: monitorRole

› Password: Password1

```
service:jmx:rmi:///jndi/rmi://185.74.63.152:9010/jmxrmi
```

```
open service:jmx:rmi:///jndi/rmi://185.74.63.152:9010/jmxrmi -u monitorRole -p Password1
```

6

WildFly monitoring



WildFly Monitoring – Install Wildfly

Install Wildfly service

```
cd /opt
wget https://github.com/wildfly/wildfly/releases/download/35.0.1.Final/wildfly-35.0.1.Final.tar.gz
tar -xzf wildfly-35.0.1.Final.tar.gz
mv wildfly-35.0.1.Final wildfly
```

```
useradd -r -d /opt/wildfly -s /sbin/nologin wildfly
chown -R wildfly:wildfly /opt/wildfly
```

WildFly Monitoring – Install Wildfly

Create the systemd service

(/etc/systemd/system/wildfly.service):

```
[Unit]
Description=WildFly Application Server
After=syslog.target network.target

[Service]
User=wildfly
Group=wildfly
ExecStart=/opt/wildfly/bin/standalone.sh -c standalone-full.xml -b=0.0.0.0 -bmanagement=0.0.0.0
ExecStop=/opt/wildfly/bin/jboss-cli.sh --connect command=:shutdown
TimeoutStartSec=300
TimeoutStopSec=30
Restart=always
RestartSec=10

[Install]
WantedBy=multi-user.target
```

WildFly Monitoring – Initial Setup

Create management user

Run user creation script:

p

Type: **(Example!)**

- › a
- › admin
- › a
- › Password-123
- › Password-123
- › Management User

```
root@student-postgresql-03 ~ # /opt/wildfly/bin/add-user.sh
```

```
What type of user do you wish to add?
```

- a) Management User (mgmt-users.properties)
- b) Application User (application-users.properties)

```
(a): a
```

```
Enter the details of the new user to add.
```

```
Using realm 'ManagementRealm' as discovered from the existing property files.
```

```
Username : admin
```

```
User 'admin' already exists and is disabled, would you like to...
```

- a) Update the existing user password and roles
- b) Enable the existing user
- c) Type a new username

```
(a): a
```

```
Password recommendations are listed below. To modify these restrictions edit the add-user.properties configuration file.
```

- The password should be different from the username
- The password should not be one of the following restricted values {root, admin, administrator}
- The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1 non-alphanumeric symbol(s)

```
Password :
```

```
Re-enter Password :
```

```
What groups do you want this user to belong to? (Please enter a comma separated list, or leave blank for none)[ ]: Management User
```

```
Updated user 'admin' to file '/opt/wildfly/standalone/configuration/mgmt-users.properties'
```

```
Updated user 'admin' to file '/opt/wildfly/domain/configuration/mgmt-users.properties'
```

```
Updated user 'admin' with groups Management User to file '/opt/wildfly/standalone/configuration/mgmt-groups.properties'
```

```
Updated user 'admin' with groups Management User to file '/opt/wildfly/domain/configuration/mgmt-groups.properties'
```

```
root@student-postgresql-03 ~ #
```

WildFly Monitoring – Verify & Firewall

Since we are modifying the systemd unit file, we must reload systemd before restarting WildFly:

```
systemctl daemon-reload  
systemctl restart wildfly
```

Open firewall port for management interface:

```
firewall-cmd --permanent --add-port=9990/tcp  
firewall-cmd --reload
```

Verify user via Web Management Console

▶ Open in browser:

```
http://185.74.63.153:9990/console/
```

JMX Endpoint URL for WildFly:

```
service:jmx:remote+http://185.74.63.153:9990
```

Create new WildFly host in Zabbix

Create a new host in Zabbix using the WildFly template and adjust the macros

Set required macros:

- ▶ `{WILDFLY.USER}` → **admin**
- ▶ `{WILDFLY.PASSWORD}` → **Password-123**

Use correct JMX interface settings (port 9990)

Host

Host IPMI Tags **Macros 2** Inventory Encryption Value mapping

Host macros Inherited and host macros

Macro	Value
<input type="text" value="{WILDFLY.PASSWORD}"/>	<input type="text" value="Password-123"/> <input type="button" value="T"/>
<input type="text" value="{WILDFLY.USER}"/>	<input type="text" value="admin"/> <input type="button" value="T"/>

[Add](#)

Host

Host IPMI Tags **Macros 2** Inventory Encryption Value mapping

* Host name

Visible name

Templates

Name	Action
WildFly Server by JMX	Unlink Unlink and clear

* Host groups

Interfaces

Type	IP address	DNS name	Connect to	Port	Default
JMX	<input type="text" value="185.74.63.153"/>	<input type="text"/>	<input checked="" type="radio"/> IP <input type="radio"/> DNS	<input type="text" value="9990"/>	<input checked="" type="radio"/> Remove

[Add](#)

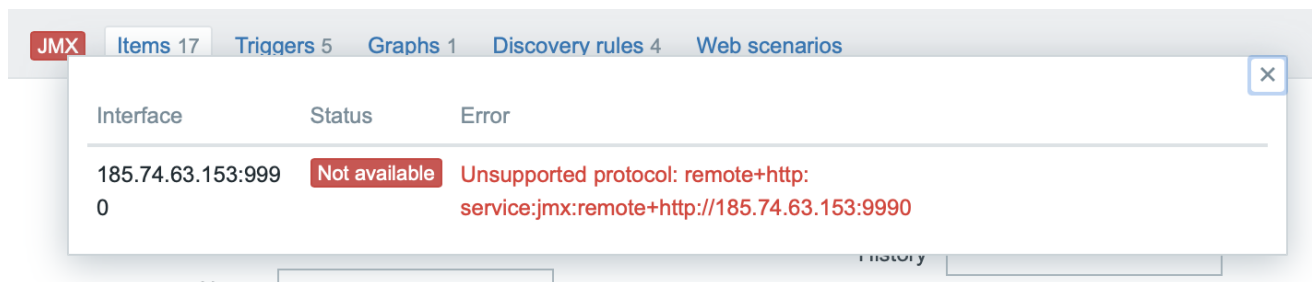
Description

Monitored by Server Proxy Proxy group

Enabled

Fix issue with missing library

If Zabbix reports the following error: (Unsupported protocol: remote+http)



The screenshot shows the Zabbix JMX monitoring interface. The top navigation bar includes 'JMX', 'Items 17', 'Triggers 5', 'Graphs 1', 'Discovery rules 4', and 'Web scenarios'. A modal window displays a table with the following data:

Interface	Status	Error
185.74.63.153:9990	Not available	Unsupported protocol: remote+http: service:jmx:remote+http://185.74.63.153:9990

It means Zabbix Java Gateway lacks the required WildFly client library.

Fix: Manually upload the WildFly client library to the Zabbix Java Gateway server:

```
cd /tmp
wget https://github.com/wildfly/wildfly/releases/download/31.0.1.Final/wildfly-31.0.1.Final.tar.gz
tar xzf wildfly-31.0.1.Final.tar.gz
cp wildfly-31.0.1.Final/bin/client/jboss-client.jar /usr/share/zabbix/zabbix-java-gateway/lib/
systemctl restart zabbix-java-gateway
```

Verify the library is loaded correctly

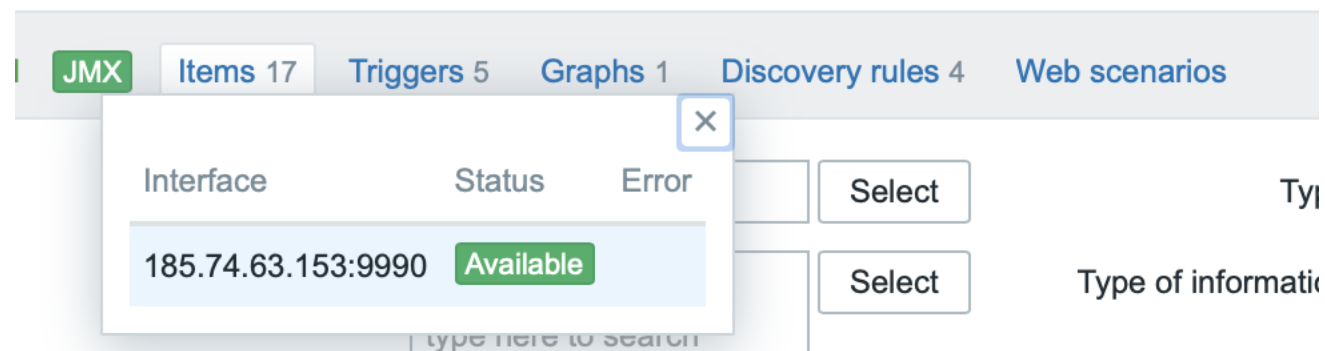
Check whether the library has loaded into Zabbix Java Gateway's process:

```
ps xauf | grep jboss
```

If you see `jboss-client.jar` in the Zabbix Java Gateway's process command-line, the library has been successfully loaded.

```
root@student-postgresql-01 /tmp # ps xauf | grep jboss
root      12515  0.0  0.0  6404 2176 pts/1   S+   23:23   0:00      \_  grep --color=auto jboss
zabbix    12419  2.5  2.3 3562284 88380 ?        Sl   23:22   0:01 java -server -Dlogback.configurationFile=/etc/zabbix/zabbix_java_gateway_logback.xml -classpath lib:lib/
android-json-4.3_r3.1.jar:lib/jboss-client.jar:lib/logback-classic-1.5.16.jar:lib/logback-core-1.5.16.jar:lib/slf4j-api-2.0.16.jar:bin/zabbix-java-gateway-7.0.13.jar -Dzab
bix.pidFile=/var/run/zabbix/zabbix_java_gateway.pid -Dsun.rmi.transport.tcp.responseTimeout=3000 com.zabbix.gateway.JavaGateway
root@student-postgresql-01 /tmp #
```

Now Zabbix should show the JMX interface as “Available” (green icon).



Tips and tricks

Check our wiki and social networks regularly for tips and updates

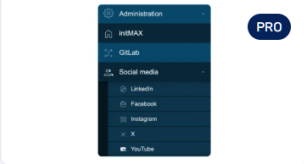
Tips and tricks on our webpage:

- ▶ <https://www.initmax.com/wiki/frontend-scripts-and-sudo-in-zabbix/>
- ▶ <https://www.initmax.com/wiki/zabbix-java-gateway-installation-with-tomcat-monitoring/>
- ▶ <https://www.initmax.com/wiki/zabbix-7-0-instructions-for-installation-in-5-minutes/>
- ▶ <https://www.initmax.com/wiki/zabbix-7-0-and-increasing-system-limits/>
- ▶ <https://www.initmax.com/wiki/zabbix-migration-from-mysql-to-postgresql/>
- <https://www.initmax.com/wiki/how-to-set-up-snmp-trap-in-zabbix/>
- <https://www.initmax.com/wiki/microsoft-teams-integration-in-five-steps/>
- <https://www.initmax.com/wiki/reporting-in-zabbix-7-0/>

initMAX E-Shop

- › Custom visualization widgets
- › UX Improvement Modules
- › AI Integration with Zabbix
- › Both **FREE** and PRO Versions

- › initMAX e-shop
<https://www.initmax.com/eshop/>

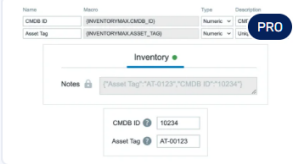


Custom menu buttons

ZABBIX Module

This module enables creation of custom navigation menu buttons and groups with user-defined URL links, allowing for personalized interface navigation.

→

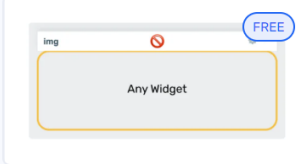


inventoryMAX

ZABBIX Module

inventoryMAX adds custom fields to Zabbix inventory for flexible, structured metadata management and seamless macro-based integration.

→

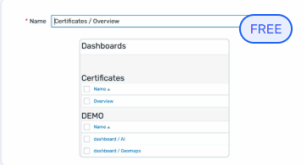


Hide widget header

ZABBIX Module

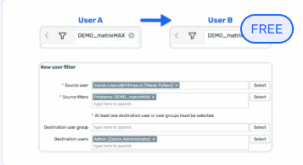
This module prevents widget headers from being displayed when dashboards are not in edit mode, improving visual clarity and user experience.

→



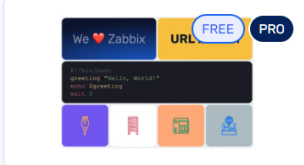
Structured dashboards

ZABBIX Module



User filter manager

ZABBIX Module



headerMAX

ZABBIX Widget

- › Video explanation of widgets and modules
https://www.youtube.com/watch?v=fpW6TR7DQdU&list=PLF7Hh_ikyQDpHiHhXwLtw57OCDF9jn7zL

Free Zabbix template builder

- › FREE template builder from JSON
 - › Tag support
 - › Low-Level Discovery support
 - › Zabbix 7.0 / 7.2 / 7.4 support
 - › Extract simple JSONPath
 - › Download a ready-to-apply template
-
- › www.dmitrylambert.com



Zabbix Template Generator

Transform JSON data into Zabbix monitoring templates

Simple JSONPATH

Output: Individual JSONPath expressions for manual item creation.

Features: JSON beautifier, single-click path extraction.

Template Builder

Output: Complete, ready-to-import Zabbix Template.

Features: Automatic Template & LLD Generation + Tag Management.

♥ **Support This Tool**

Your support keeps the Template Builder updated and **free for everyone**.

Patreon supporters get: Special Discord role with private chat room • Priority bugfix support • Priority review of feature requests

[Support on Patreon](#) [Buy Me a Coffee](#)

[Simple JSONPATH](#) [Template Builder](#)



Questions?



Contact us:

Phone: > +420 800 244 442

Web: > <https://www.initmax.com>

Email: > tomas.hermanek@initmax.com

LinkedIn: > <https://www.linkedin.com/company/initmax>

Twitter: > <https://twitter.com/initmax>

Tomáš Heřmánek: > +420 732 447 184