



ZABBIX CERTIFIED TRAINER

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

Introduction to Zabbix Java Gateway

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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.









Introduction to Zabbix Java Gateway

Installation and self monitoring

> Add official Zabbix repository:

rpm -Uvh https://repo.zabbix.com/zabbix/7.0/rocky/9/x86_64/zabbix-release-latest-7.0.el9.noarch.rpm

> Clean DNF cache:

dnf clean all

> Install Java Gateway:

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



Java keys and endpoints

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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.)



Java helpers

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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:

<u>github.com/jiaqi/jmxterm</u>

```
$>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?

	Туре	JMX agent	*			
	* Key	jmx["java.lang:type=Me	mory","HeapMemoryUsage.used	"]		
• • •	Java Monitoring & Management Console				Java Monito	oring & Management Console
Connection Window Hel	p			on Window Help		
🔴 🔴 🔵 mon	itorRole@service:jmx:rmi:///jndi/rmi://185.74.63.15	2:9010/jmxrr i		monite	orRole@service:jmx:rm	ni:///jndi/rmi://185.74.63.152:9010/jmxrmi
Ove	erview Memory Threads Classes VM Sumn	nary MBeans	-	Oven	view Memory Th	reads Classes VM Summary MBeans
🔿 🚞 Catalina	MBeanInfo			:atalina	Attribute value	
> 🔁 JMImplementation	Name Value			MImplementation	Name	Value
> 🚞 Users	Info:			lsers	HeapMemoryUsage	javax.management.openmbean.Compos
> i com.sun.management	ObjectName <u>Tava.lang:type=Memory</u>			om.sun.management		Refresh
🗸 🚞 java.lang	Description Information on the managem	ient interface of the MBean		ava.lang		
> 🧐 ClassLoading				ClassLoading	- MBeanAtt. ibuteInfo	
> 🧐 Compilation				Compilation	Name	Value
> 🚞 GarbageCollector				GarbageCollector	Attribute:	
🗸 🧐 Memory				Memory	Description	HeapMemoryUsage
> Attributes				 Attributes 	Readable	true
> Operations				Verbose	Writable	false
> Notifications	Descriptor			ObjectPendingF	ls	false
> MemoryManager	Name Value			HeapMemoryUs	Туре	javax.management.openmbean.CompositeData
> MemoryPool	immutableInfo true			NonHeapMemo	Descriptor	
> 🧐 OperatingSystem	interfaceClassName java.lang.management.Mem	oryMXBean		ObjectName	Name	Value
> 🧐 Runtime	mxbean true			> Operations	Attribute:	
> 🧐 Threading				> Notifications	openType	javax.management.openmbean.CompositeType(name=java.lar
> java.nio				MemoryManager	originalType	java.lang.management.MemoryUsage
> _ java.util.logging				MemoryPool		
> _ jdk.management.jfr				OperatingSystem		
> 🔤 tomcat.jdbc				Runtime		

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=used,itemType=javax.management.openmbean.SimpleType(name=java.lang.Long))))

Tomcat monitoring

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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 and 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:

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

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Credentials:

- > Username: monitorRole
- Password: Password1



Extend Tomcat Monitoring (Database)

Deploy application and JDBC driver:

cp /root/dbcheckapp.war /var/lib/tomcat/webapps/ cp /root/postgresgl-42.7.3.jar /usr/share/tomcat/lib/

> Open Correct file ownership:

chown tomcat:tomcat /var/lib/tomcat/webapps/dbcheckapp.war chown tomcat:tomcat /usr/share/tomcat/lib/postgresql-42.7.3.jar

> Configure DB connection pool in:

nano	etc/tomcat/context.xml



Example DB Resource Configuration

Sample configuration (context.xml):

```
<Resource name="jdbc/mydb"
          auth="Container"
          type="javax.sql.DataSource"
          factory="org.apache.tomcat.jdbc.pool.DataSourceFactory"
          driverClassName="org.postgresql.Driver"
          url="jdbc:postgresql://185.74.63.151:5432/tomcatdb"
          username="tomcat"
          password="2HDc74fE3Kdjw2gY"
          initialSize="10"
          maxActive="100"
          maxIdle="30"
          minIdle="10"
          jmxEnabled="true"
          testOnBorrow="true"
          testWhileIdle="true"
          testOnReturn="true"
          validationQuery="SELECT 1"
          validationInterval="30000"
          timeBetweenEvictionRunsMillis="30000"/>
```



Example DB Resource Configuration

Restart Tomcat and verify:

systemctl restart tomcat
less /usr/share/tomcat/logs/catalina.\$(date '+%Y-%m-%d').log

- Verify via JConsole:
 - > Use JMX connection details provided earlier.
- You are now ready to use the jmx.get key for discovery and standard jmx keys for monitoring your database connection pools.
- > Application verification URL: (only in our demo own test app for db connection)

http://185.74.63.152:8080/dbcheckapp/dbcheck



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WildFly Monitoring – Initial Setup

Enable remote management

Since we are using a systemd unit file, edit the WildFly service configuration:

nano /etc/systemd/system/wildfly.service

Add or modify the following line to enable remote management: (add -bmanagement=0.0.0.0)

ExecStart=/opt/wildfly/bin/standalone.sh -c standalone-full.xml -b=0.0.0.0 -bmanagement=0.0.0.0

[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	<pre>root@student-postgresql-03 ~ # /opt/wildfly/bin/add-user.sh</pre>
Run user creation script:	What type of user do you wish to add? a) Management User (mgmt-users.properties) b) Application User (application-users.properties) (a): a
/opt/wildfly/bin/add-user.sh	Enter the details of the new user to add.
Type: (Example!)	User 'admin' already exists and is disabled, would you like to a) Update the existing user password and roles
> a	b) Enable the existing user c) Type a new username
> admin	(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
> a	- 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-123	Password : Re-enter Password :
Password-123	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'
Management User	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
```



Deploy JDBC Driver for WildFly

Navigate to /root and download PostgreSQL driver:
cd /root wget https://jdbc.postgresql.org/download/postgresql-42.7.3.jar
Create module directory and move driver:
mkdir -p /opt/wildfly/modules/org/postgresql/main cp postgresql-42.7.3.jar /opt/wildfly/modules/org/postgresql/main/
Create module configuration (module.xml):
<pre>nano /opt/wildfly/modules/org/postgresql/main/module.xml</pre>
<pre><module name="org.postgresql" xmlns="urn:jboss:module:1.0"></module></pre>



Configure JDBC Driver via CLI

Start WildFly CLI:

/opt/wildfly/bin/jboss-cli.sh --connect

Register the JDBC driver:

/subsystem=datasources/jdbc-driver=postgresql:add(driver-name=postgresql,driver-modulename=org.postgresql,driver-class-name=org.postgresql.Driver)



Configure WildFly DataSource

Add PostgreSQL DataSource via CLI:

,	
data-source add \	
name=PostgreSQLDS \	
jndi-name=java:/jdbc/mydb \	
driver-name=postgresql \	
<pre>connection-url=jdbc:postgresql://185.74.63.151:5432/tomcatdb \</pre>	
user-name=tomcat \	
password=2HDc74fE3Kdjw2gY \	
use-ccm=true \	
initial-pool-size=10 \	
min-pool-size=10 \	
max-pool-size=100 \	
pool-prefill=true \	
blocking-timeout-wait-millis=5000 \	
validate-on-match=true \	
background-validation=true \	
background-validation-millis=30000 \	
valid-connection-checker-class-name=org.jboss.jca.adapters.jdbc.e	extensions.postgres.PostgreSQLValidConnectionChecker \

reload



Deploy Test Application

Deploy the test application (wildflydbcheck.war):

cp /root/wildflydbcheck.war /opt/wildfly/standalone/deployments/ chown wildfly:wildfly /opt/wildfly/standalone/deployments/wildflydbcheck.war chmod 644 /opt/wildfly/standalone/deployments/wildflydbcheck.war

Verify application via browser:

http://185.74.63.153:8080/wildflydbcheck/dbcheck



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} \rightarrow admin
- > {\$WILDFLY.PASSWORD} \rightarrow Password-123

Use correct JMX interface settings (port 9990)

Host

Add

IPMI Macros 2 Inventory Encryption Host Tags Value mapping Host macros Inherited and host macros Macro Value {\$WILDFLY.PASSWORD} Password-123 Τ× **T** ~ {\$WILDFLY.USER} admin

Host											
Host IPMI	Tags	Macro	s 2 Inventory	Encryption	Value m	apping					
* Host na	me !	Wildfly									
Visible na	me	Wildfly									
Templa	ites N	ame			Action						
	N	/ildFly Se	rver by JMX		Unlink Un	ink and clear					
	t	type here	to search					Select			
* Host grou	ups [java ×						Select			
	t	type here	to search								
Interfac	ces	Туре	IP address			DNS name		Connec	ct to	Port	Default
		JMX	185.74.63.153					IP	DNS	9990	Remove
	A	dd									
Descript	tion										
		_					11				
Monitored	by	Server	Proxy Proxy	group							
Enab	led 🗸										



Fix issue with missing library

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



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-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).

JMX **Discovery rules 4** Web scenarios Items 17 Triggers 5 Graphs 1 X Interface Status Error Select Ty 185.74.63.153:9990 Available Select Type of informatic LYPE HELE IN SEALCH



Enable WildFly pool statistics

If Zabbix shows a warning like:

Pools monitoring statistic is not enabled

it means database connection pool statistics are disabled on your WildFly server.

To fix this:

- Log into WildFly management web interface
- \blacktriangleright Navigate to Runtime \rightarrow Datasources
- > Select your datasource (e.g., PostgreSQLDS)
- > Click the button "Enable Statistics"



After enabling statistics:

- > Check again in the Zabbix frontend. The warning should disappear, and Zabbix will now collect database connection pool metrics correctly.
- > You can verify metrics and graphs within Zabbix for your WildFly datasource to ensure everything is functioning as expected.

Demonstration





Questions?





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