IBM Tivoli Composite Application Manager for WebSphere Managing Server 6.1.0.1 Interim Fix 0002 What's new document

Overview

The following information provides a list of the changes found in the ITCAM for WebSphere Managing Server 6.1.0.1 Interim Fix 0002 (6.1.0.1-TIV-ITCAMfWAS_SVR-IF0002) release.

Server Statistics Overview page

This interim fix release adds a new column, Volume Delta per Second, on the Server Statistics Overview page, see **Figure 1**.

The Volume Delta per Second value displays as an integer. ITCAM calculates the value using the following formula:

```
(The value of Volume Delta) / (The value of Auto Refresh)
```

The rules for rounding are as follows: If the fractional portion of the value is 0.5 or greater, round the value to the next highest integer. If the fractional portion of the value is less than 0.5, round the value to the next lowest integer.
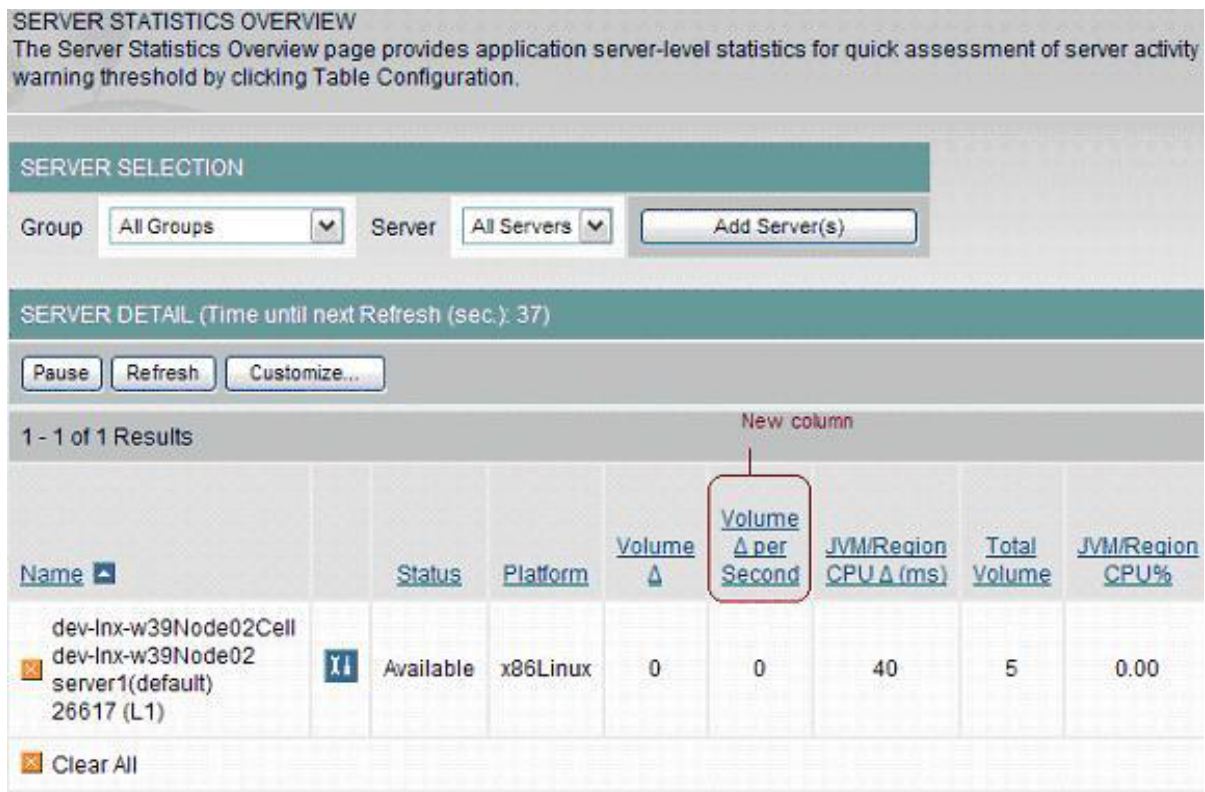
SERVER STATISTICS OVERVIEW
The Server Statistics Overview page provides application server-level statistics for quick assessment of server activity warning threshold by clicking Table Configuration.

SERVER SELECTION

Group [All Groups ▼]   Server [All Servers ▼]   [Add Server(s)]

SERVER DETAIL (Time until next Refresh (sec.): 37)

[Pause] [Refresh] [Customize...]

1 - 1 of 1 Results

New column

Name ▲		Status	Platform	Volume Δ	Volume Δ per Second	JVM/Region CPU Δ (ms)	Total Volume	JVM/Region CPU%
dev-lnx-w39Node02Cell dev-lnx-w39Node02 server1(default) 26617 (L1)	⚏	Available	x86Linux	0	0	40	5	0.00

☒ Clear All

Figure 1. Server Statistics Overview page

Configure Volume Delta per Second in the Server Statistics Configuration page, see **Figure 2**.

Figure 2. Server Statistics Configuration page

Trap and Alert Management

This interim fix release adds several functions to the Trap and Alert Management feature.

The following is a summary of new additions:
- Added a Request Frequency target type for the Server Resource Trap type
- Added support for >= and <= operators as a threshold
- Added Time Interval support with the Trap Condition
- Provide Data Collector process ID information on the Trap Action History page

This release adds the Request Frequency target type for the Server Resource Trap type. See **Figure 3**.

STEP 1 - TRAP TYPE SELECTION
On this page, select your trap type, and the target type. Click Next to define the target type.

TRAP TYPE

Trap Type ⦿ Server Resource Trap   ◯ Application Trap

Target Type `--------------------------- CPU ---------------------------` ▾

```
--------------------------- CPU ---------------------------
Average Platform CPU % Usage
Average JVM CPU % Usage
----------------------------- Memory -----------------------------
JVM Heap Size
Average JVM Heap Size After Garbage Collection
------------------- Application Capacity -------------------
Request Frequency
Number of Sessions
```

Added this trap back.

Figure 3. Trap Type Selection page

Configuration for the Request Frequency target type includes a threshold that supports the following operators:

>=
<=

See **Figure 4**.

If you select the <= operator while creating or modifying the Request Frequency target type, then the following happens:

1. The trap action does not trigger if no transactions are received by the Publish Server after activating the trap.
2. Trap threshold checking begins after the first transaction received by the Publish Server activates the trap.

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Figure 4. Define Trap page

This interim fix release also adds support for configuring the Time Interval in the Trap Alert Settings page. See **Figure 5**. You cannot configure the Time Interval setting for a Misbehaving Transaction Trap since the conditions for the Misbehaving Transaction trap are not editable.

Figure 5. Trap Alert Settings page

Although the smallest available time interval unit is milliseconds, certain trap types might not be able to use milliseconds as the time unit. Use **Figure 6** below as a guideline for setting the Time Interval value with default Managing Server and Data Collector settings.

Trap Type	Target Type	Minimum Time Interval
Server Resource Trap	Average Platform CPU % Usage	5(min)
	Average JVM CPU % Usage	5(min)
	JVM Heap Size	1(min)
	Average JVM Heap Size After GC	1(min)
	Request Frequency	1(min)
	Number of Sessions	1(min)
Application Trap	Occurrence	1(ms)
	CPU Time	1(ms)
	Wait Time	1(ms)
	Resident Time -- In-Flight	1(ms)
	Resident Time -- Completely	1(ms)
	Resident Time -- Misbehaving Transaction	1(ms)
	Uncaught Exceptions	1(ms)
	Lock Acquisition Time -- In-Flight	1(ms)
	Lock Acquisition Time -- Completed	1(ms)

Figure 6. Time Interval value table

This interim fix release adds the Data Collector process ID information to the Trap Action History page. See **Figure 7**.

Figure 7. Trap Action History page

Performance Analysis and Reporting

This interim fix release adds the new option Time Series in Minutes to the Graphing Option settings on the Date Range Settings page in creating a report or modifying a report. See **Figure 8**. This is an option available to all types of reports.

Figure 8. Date Range Settings page

On the Trend Report page, if the date range selected is <=60 (minutes), both the graph and data table will display. If the date range selected is >60 (minutes), only the data table will display.