

# IBM Tivoli Composite Application Manager for Transactions V7.3

## Resolving thread limits for the T6 agent



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IBM Tivoli® Composite Application Manager for Transactions V7.3, Resolving Thread Limits for the T6 agent.

## Objective

When you complete this module, you can resolve thread limit exceeded errors on the IBM Tivoli Composite Application Manager for Transactions T6 agent

When you complete this module, you can resolve thread limit errors on the IBM Tivoli Composite Application Manager for Transactions T6 agent.

## Assumptions

### Environment configuration

- IBM Tivoli Composite Application Manager for Transactions T6 agents are installed
- Profiles are present and running on the T6 agent

The assumptions for this module are that you have completed IBM Tivoli Composite Application Manager for Transactions configuration for T6 agents, and profiles are present and running on the T6 agent.

## Problem

This problem typically presents itself as an error for not being able to start new monitors. The T6 agent logs show this error:

```
"Thread limit exceeded cannot start new monitor for  
[C:\IBM\ITM\maitm6/arm/log/kt6/ARM_xxxx_xxxxxxxxxx.dat]"
```

Problem:

After the scripts stop returning data, new monitors cannot be started.

## Process outline

1. Review the logs for the error
2. Update the T6 configuration for the maximum number of threads
3. Stop and start the agent

The major steps in this process: If the error occurs in the t6 logs, update the number of processing threads in the T6 configuration. Stop and start the agent.

## Determining the error

- Review the \*\_t6\_\* agent logs for the thread limit exceeded error
- This log is found by default in the **ITMHOME/TMAITM6/logs** directory

Determine the error by reviewing the t6 agent logs found in the **ITMHOME/TMAITM6/logs** directory.

## Updating the T6 agent configuration (1 of 4)

- Stop the T6 agent before making these changes
- Update the agent through Manage Tivoli Enterprise Monitoring Services or the **tacmd startAgent** command

Service/Application	Task/SubS...	Configured	Status	Configura...	Star...	Account	Desk...	HotS...	Version
Eclipse Help Server	HELPSVR	Yes	Started	up-to-date	Auto	LocalSy...	No	No	06.22.0...
Tivoli Enterprise Portal	Browser	Yes		N/A	N/A	N/A	N/A	N/A	06.22.0...
Tivoli Enterprise Portal	Desktop	Yes		N/A	N/A	N/A	N/A	N/A	06.22.0...
Tivoli Enterprise Portal Server	KFWSP...	Yes (TEMS)	Started	up-to-date	Auto	LocalSy...	No	No	06.22.0...
Transaction Collector	Primary	Yes (TEMS)	Stopped	up-to-date	Man...	LocalSy...	Yes	No	07.30.0...
Transaction Reporter	Primary	Yes (TEMS)	Stopped	up-to-date	Man...	LocalSy...	Yes	No	07.30.0...
ITCAM for Robotic Respons...	Primary	Yes (TEMS)	Started	up-to-date	Auto	LocalSy...	Yes	No	07.30.0...
ITC/...	Start	Yes (TEMS)	Started	up-to-date	Auto	LocalSy...	No	No	07.30.0...
War...	Stop	Yes (TEMS)	Started	up-to-date	Auto	LocalSy...	No	No	06.22.0...
Inte...	Recycle	Yes (TEMS)	Stopped	up-to-date	Auto	LocalSy...	No	No	07.30.0...
War...		Yes (TEMS)	Started	up-to-date	Auto	LocalSy...	No	No	06.22.0...
Tivc...		Yes	Started	up-to-date	Auto	LocalSy...	No	No	06.22.0...

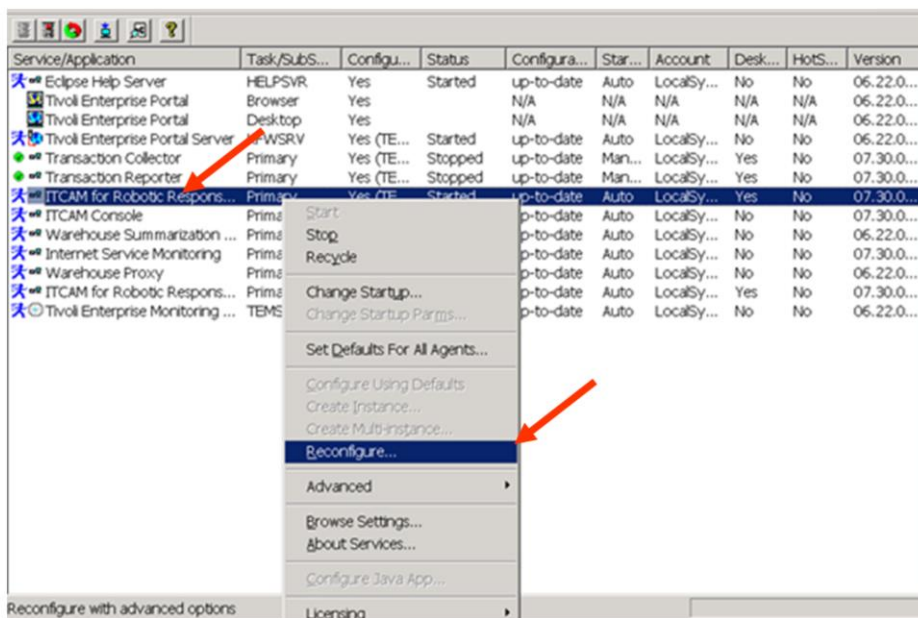
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Updating the T6 agent configuration.

Stop the T6 agent before making these changes.

Use Manage Tivoli Enterprise Monitoring Services or the **tacmd startAgent** command to stop the agent.

## Updating the T6 configuration (2 of 4)



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To update the thread variable in the T6 configuration, right-click the **ITCAM for Robotic Response** agent and click **Reconfigure**.



## Updating the T6 configuration (3 of 4)

- Modify the **Maximum number of processing threads** field

ITCAM for Robotic Response Time

Rational Robot Vu Configuration | Mercury LoadRunner Configuration  
Robotic Monitoring Configuration | Rational Performance Tester Configuration | Rational Robot GUI Configuration  
Rational Functional Tester Configuration | Data Analysis Configuration

Specify configuration information on how data is analyzed

\*Number of minutes to aggregate data before writing out a data point  
1

\*Number of hours to save data for viewing in the Tivoli Enterprise Portal  
8

\*Maximum number of processing threads  
80

Find the **Data Analysis Configuration** tab and update the **Maximum number of processing threads** field to a larger number.

## Updating the T6 configuration (4 of 4)

- Restart the T6 agent
- Monitor for the same error and update the thread count if necessary

To enable the T6 agent change, stop and start the T6 agent.

Monitor the T6 agent for the same error to verify the update has resolved the problem.

## Process review

1. Review the logs for the error
2. Update the T6 configuration for the maximum number of threads
3. Stop and start the T6 agent

### Process review.

The major steps in this module are: 1) verify the error by reviewing the logs for thread problem, 2) update the T6 configuration of the **Maximum number of threads** field, and 3) stop and start the T6 agent.

## Summary

Now that you have completed this module, you can resolve thread exceeded errors on the IBM Tivoli Composite Application Manager for Transactions T6 agent

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