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### **Published KB**

### **KB 1622789**

M3BE: How to use the Profile Tool in the Business Engine





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### **Description:**

The purpose of this Knowledge Base (KB) is to provide information about the Profile tool found in the ServerView/Grid Management Pages of the M3 Business Engine. It is not meant to be all-inclusive or provide the exact steps for your environment.

More information can be found in M3 BE 15.1 and M3 Foundation 10.1 Product Documentation >> M3 Business Engine Foundation Administration Guide >> Subsystems

### Resolution:

### Monitor resource usage with the Profiler

The profiler is a program that monitors how another program uses resources. The M3 Business Engine has a built-in profiler that is useful in:

- Measuring time spent in program logic
- Measuring specific database and display operations
- Measuring time and resources in the operating system

You can run the profiler for the entire subsystem, or for an individual job:

#### SUBSYSTEM LEVEL

The profiler can be run on subsystem level to measure performance for all jobs. When you start the profiler from the subsystem view, individual profilers are started for all the jobs in the subsystem, and additional summary data is gathered. This is useful for catching performance bottlenecks on the system level. Currently, the following subsystem types can be selected:

- Interactive
- Autostart jobs
- MI batch (Managed and Interactive jobs)

### To analyze a subsystem

- 1. Open the view for the subsystem where you want to analyze the performance.
- 2. Click Profiler.
- 3. Click Enable to start the Profiler.
- 4. To update the view, click Refresh.

### **JOB LEVEL**

The profiler can be run on the job level to measure performance for a specific job. When you start the profiler from the job view, an individual profiler relating to the specific job displays. This is useful if you know that you have a performance bottleneck in a job or you want to understand what a job is doing (hung, processing, etc.).

#### To analyze a job

- 1. Open the Job view where you want to analyze the performance.
- 2. Click Profiler.
- 3. The Profiler view shows that profiler data is unavailable.
- 4. Click Enable Profiler
- 5. Click Refresh to update the view.

## Note:

# **EXAMPLE** of profiling a Subsystem

Select your subystem:

# Infor ION Grid Management Pages 91660

:: Foundation: M3BE\_15.1\_IXS - M3BE\_15.1\_IXS

Navigation: Foundation: M3BE 15.1 IXS

Foundation: M3BE 15.1 IXS Log Files News Tools Settings About

Host	Name		Туре	Config	Log Status	Jobs	Info
NLBAVWLGS17.infor.com	M3Coordinator	Node	Coordinator		<pre>0 / 0</pre>		6
NLBAVWLGS17.infor.com	M3Coordinator	Node	Transaction Server				6
NLBAVWLGS17.infor.com	M3ApiWS	Node	M3-API-WS		□ 0 / 0		6
NLBAVWLGS17.infor.com	M3RemoteClassProvider	Node	Remote files		□ 0 / 0		6
NLBAVWLGS17.infor.com	M3Auto	Node	Subsystem:A	PRECONFIG	○ / 0	10 / 55	6
NLBAVWLGS17.infor.com	M3Api	Node	Subsystem:M	PRECONFIG	□ 0 / 0	0 / 10	
NLBAVWLGS17.infor.com	M3Interactive	Node	Subsystem:IW	PRECONFIG	□ 0 / 0	0 / 30	
NLBAVWLGS17.infor.com	M3ApiProfiler —	Mode	Subsystem:M	PRECONFIG	○ / 0	0	

Click on the Profiler link:

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:: Profiler - M3BE\_15.1\_IXS - M3ApiProfiler/10.21.43.26:52470-8512

Navigation: Foundation: M3BE 15.1 IXS • Subsystem: Subsystem: PRECONFIG:M Threads Profiler Subsystem: Subsystem:PRECONFIG:M Properties





Node Profiler | Select.

■ Profiler is disabled. Enable Reset Settings.



No profile data available.

Stop the profiler when finished:

# Infor ION Grid Management Pages 91660

:: Profiler - M3BE\_15.1\_IXS - M3ApiProfiler/10.21.43.26:52470-8512

Navigation: Foundation: M3BE 15.1 IXS • Subsystem: Subsystem:PRECONFIG:M

Properties Subsystem: Subsystem:PRECONFIG:M Threads Profiler Tools Logging

Node Profiler | Select.

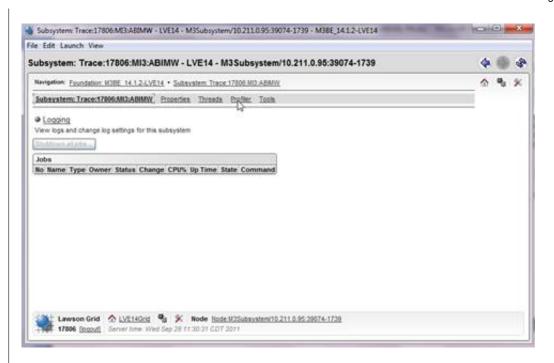
Export Profiler is enabled. Duration: 00s. Disable Reset Settings...

No profile data available.

### **EXAMPLE** of profiling a job

\_\_\_\_\_

Go into your subystem and into the individual program, click the Profiler link/button



### **EXPORTING YOUR PROFILED INFORMATION**

\_\_\_\_\_

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:: Profiler - M3BE\_15.1\_IXS - M3ApiProfiler/10.21.43.26:52470-8512

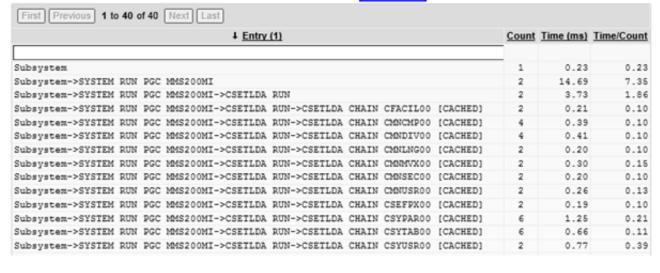
Navigation: Foundation: M3BE 15.1 IXS • Subsystem: Subsystem: PRECONFIG:M

Subsystem: Subsystem: PRECONFIG:M

Properties Threads Profiler Tools Logging

Node Profiler Select...

■ Profiler is disabled. Last duration: 02m 27s. Enable Reset Settings... Export...



### **Affected Products & Releases**

Affected Product	Affected Release	Patch Status	Notes
M3 BE Application Foundation	Unspecified		
M3 Foundation	Unspecified		

### **Recommended Articles for Products:**

**Recommended Articles for Releases:** 

Keywords :	profiler;profile;subsystem;batch job;program;mform;trace;profiler tool;profile tool;m3be;serverview;grid management pages;batch job;autojob;batchjob					
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Classification :						
Severity:	3 - Mediur	n				
Status :	Complete					
Last Updated :	21 May 20	15				
Created: 21 May 2015 10:56 AM	M CST					
Revised: 21 May 2015 10:56 Al	M CST					
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