iSeries Navigator Management Central

System Monitors

Dick Grenham
508-816-3726
rgrenham@att.net

Never Been Here?

- “The system is running slow”
- “It has been like this for (x) time”
  - “I’ll look into it”
  - (y) time later “I didn’t find anything wrong”

- And the Beat goes on
  - And on
  - And on
  - And on

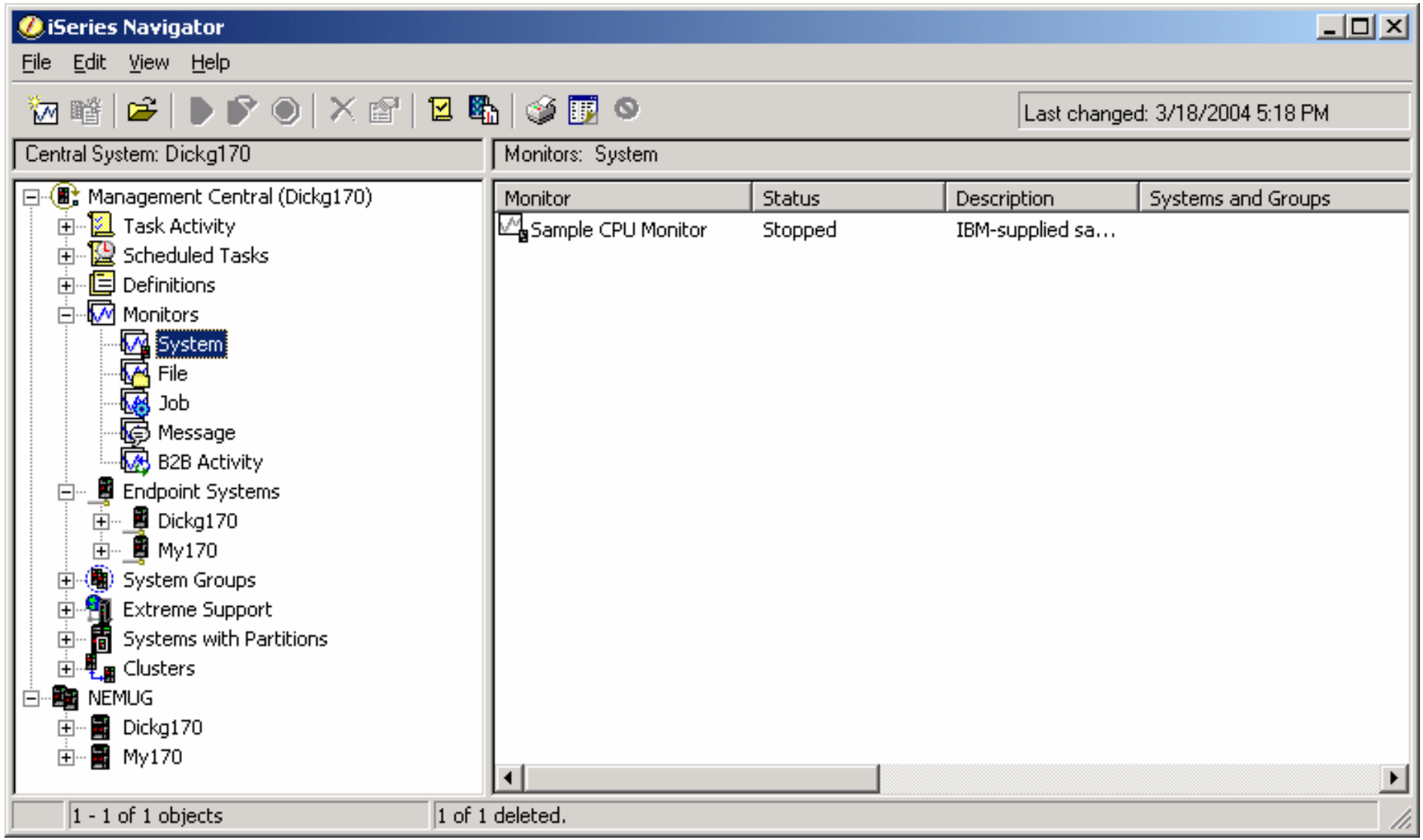
System Monitors

- Run continuously
- Open graph on Desktop
  - When defined parameter(s) exceeded
  - Multiple parameters allowed
    - Average CPU
    - Interactive CPU
    - Response time
    - Disk utilization
    - Etc.

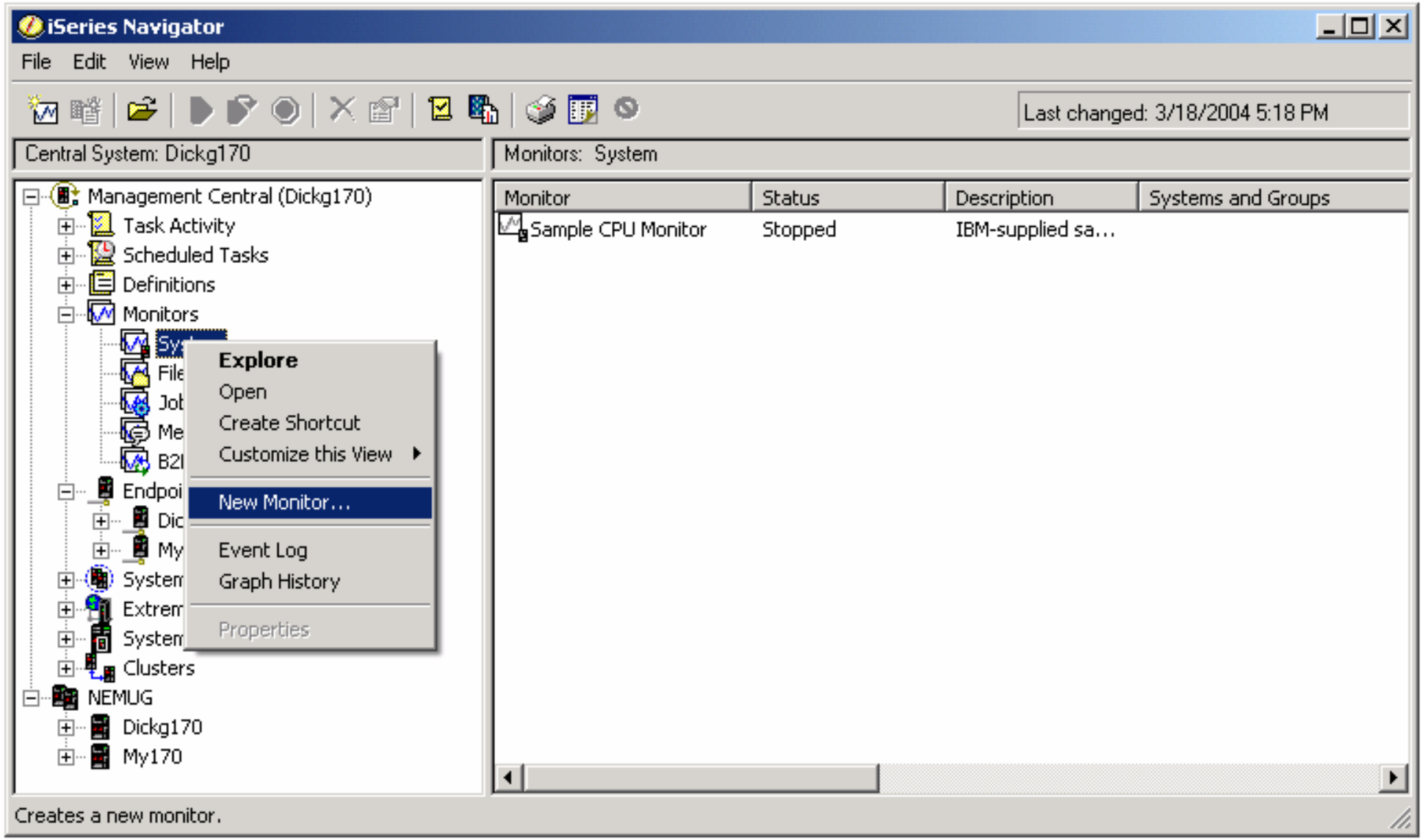
System Monitors

- Graphs are customized
  - Sampling rate
  - Max. Graph value
  - Display time
- Can also be displayed on demand
- Historical data available

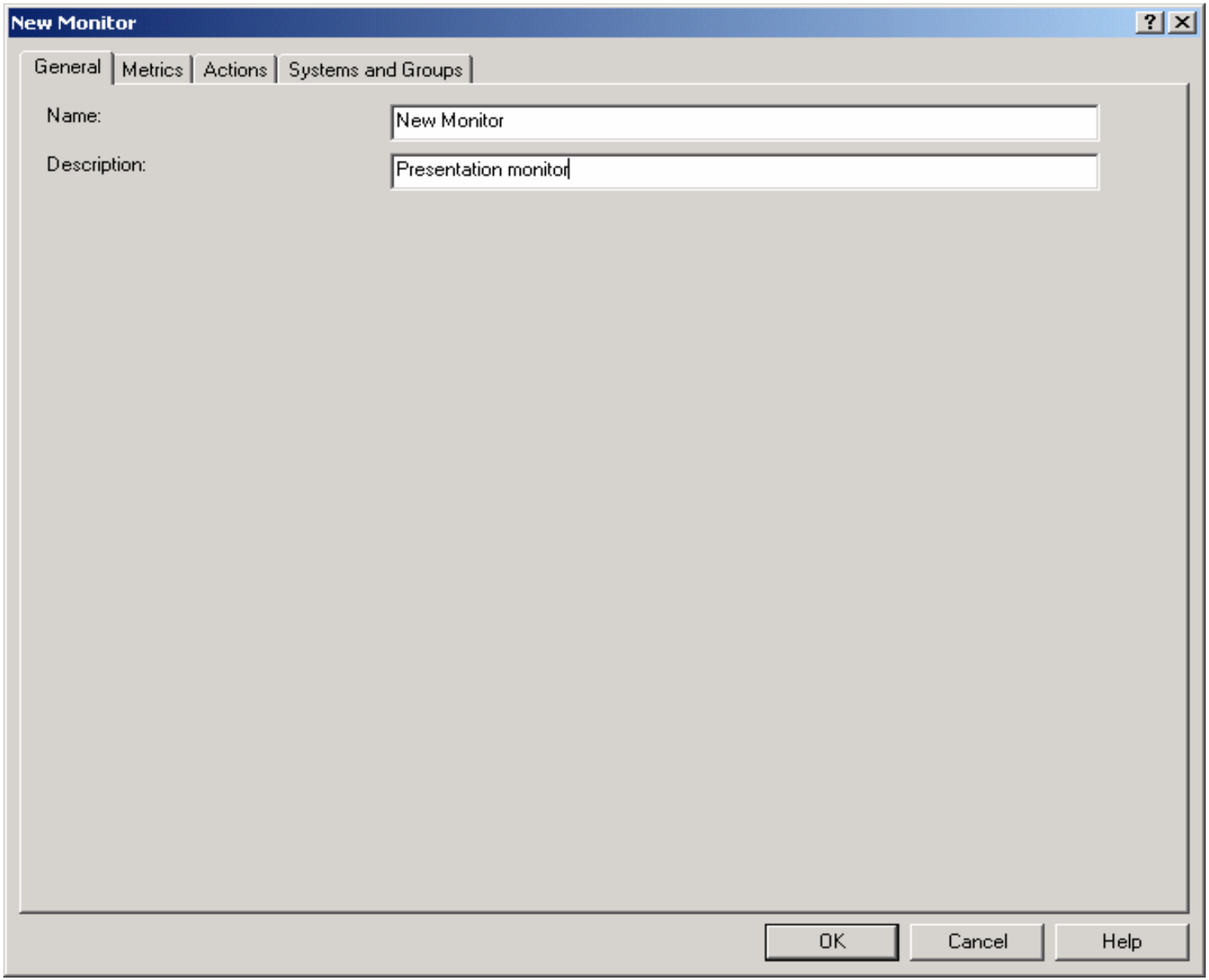
Management Central Monitors



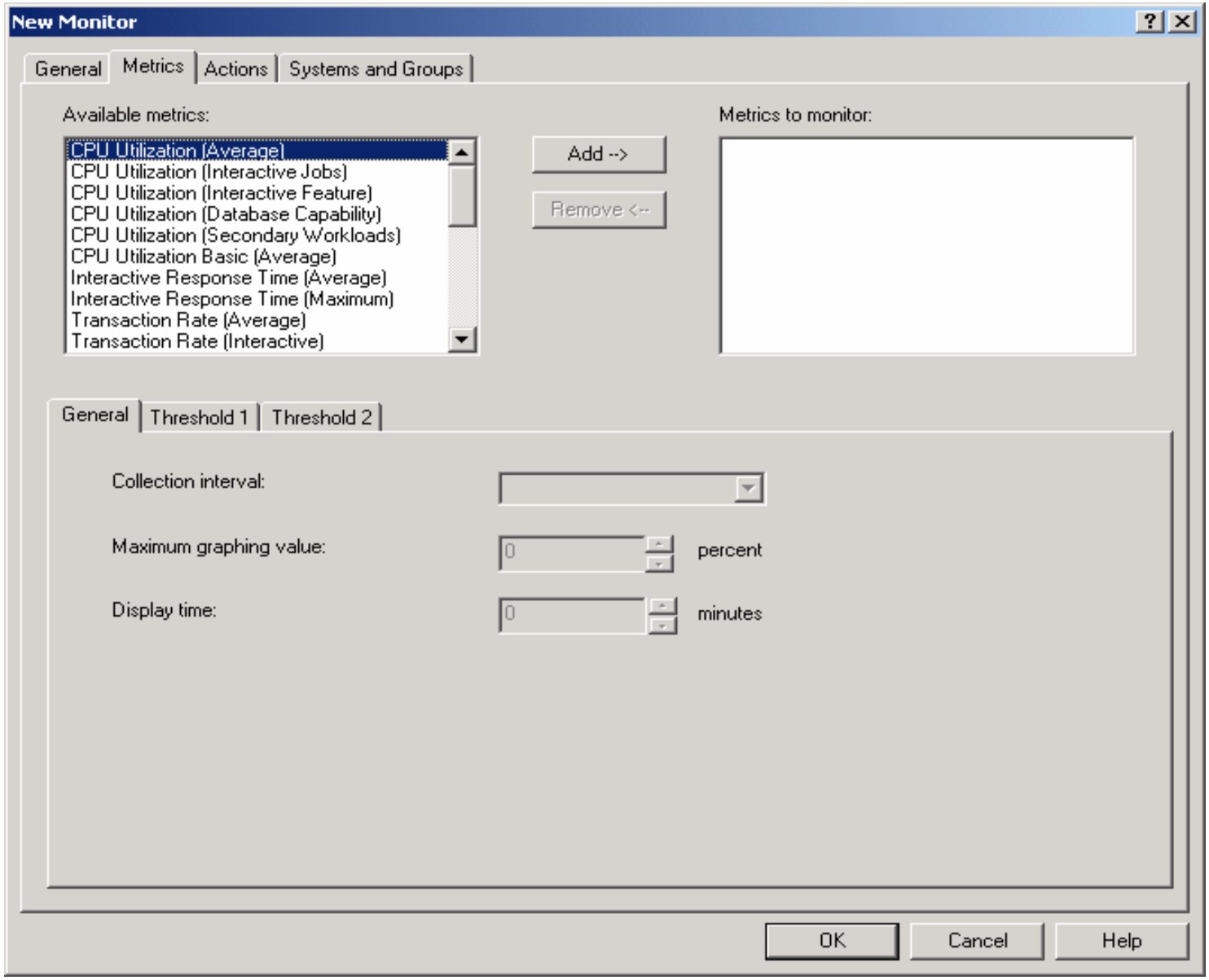
New Monitor


iSeries Navigator
File Edit View Help
Last changed: 3/18/2004 5:18 PM
Central System: Dickg170
Monitors: System
Management Central (Dickg170)
Task Activity
Scheduled Tasks
Definitions
Monitors
Explore
Open
Create Shortcut
Customize this View
New Monitor...
Event Log
Graph History
Properties
Clusters
NEMUG
Dickg170
My170
Monitor
Status
Description
Systems and Groups
Sample CPU Monitor
Stopped
IBM-supplied sa...
Creates a new monitor.

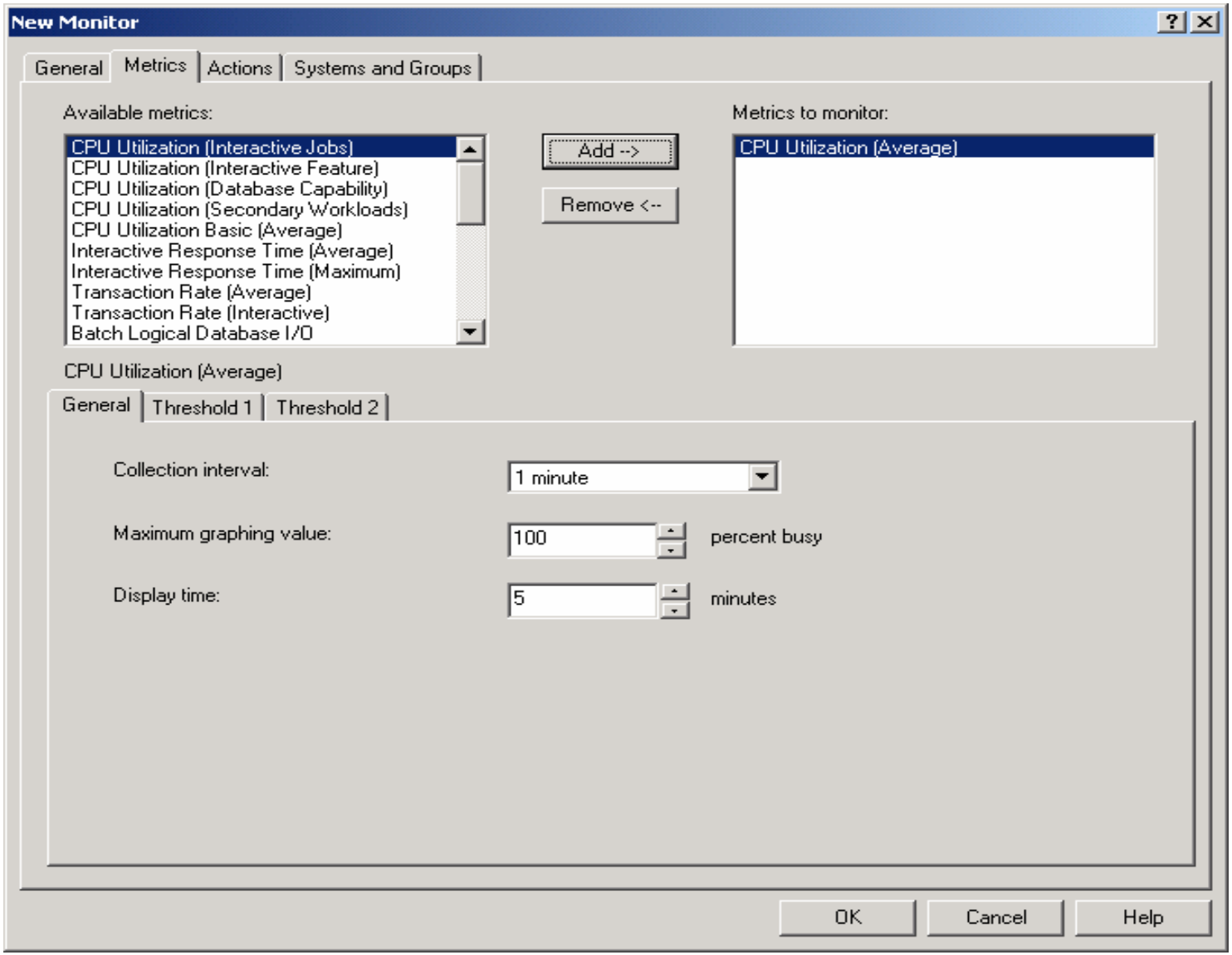
New Monitor Name



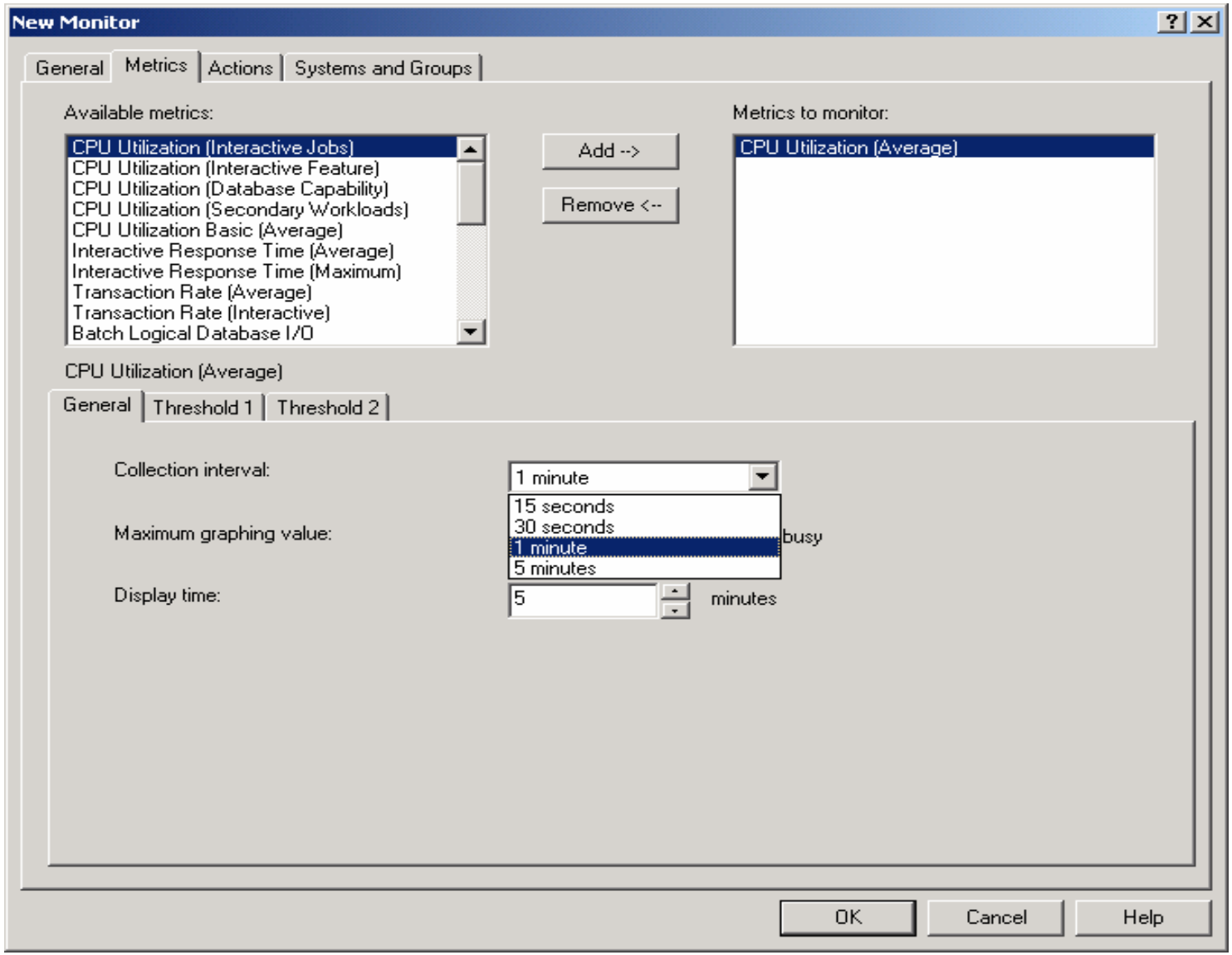
New Monitor Metrics



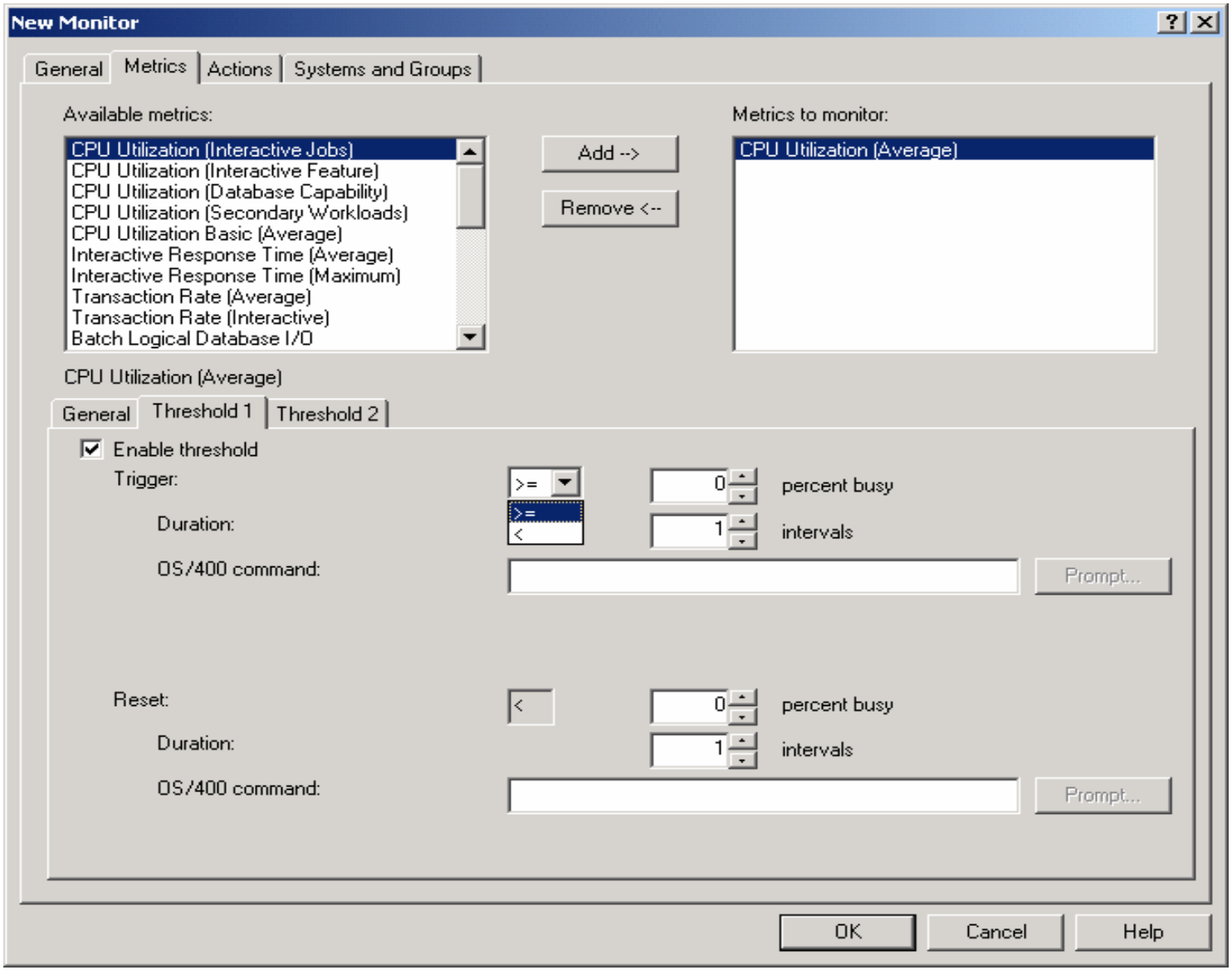
Add Metric


New Monitor
General
Metrics
Actions
Systems and Groups
Available metrics:
CPU Utilization (Interactive Jobs)
CPU Utilization (Interactive Feature)
CPU Utilization (Database Capability)
CPU Utilization (Secondary Workloads)
CPU Utilization Basic (Average)
Interactive Response Time (Average)
Interactive Response Time (Maximum)
Transaction Rate (Average)
Transaction Rate (Interactive)
Batch Logical Database I/O
Add -->
Remove <--
Metrics to monitor:
CPU Utilization (Average)
CPU Utilization (Average)
General
Threshold 1
Threshold 2
Collection interval:
1 minute
Maximum graphing value:
100
percent busy
Display time:
5
minutes
OK
Cancel
Help

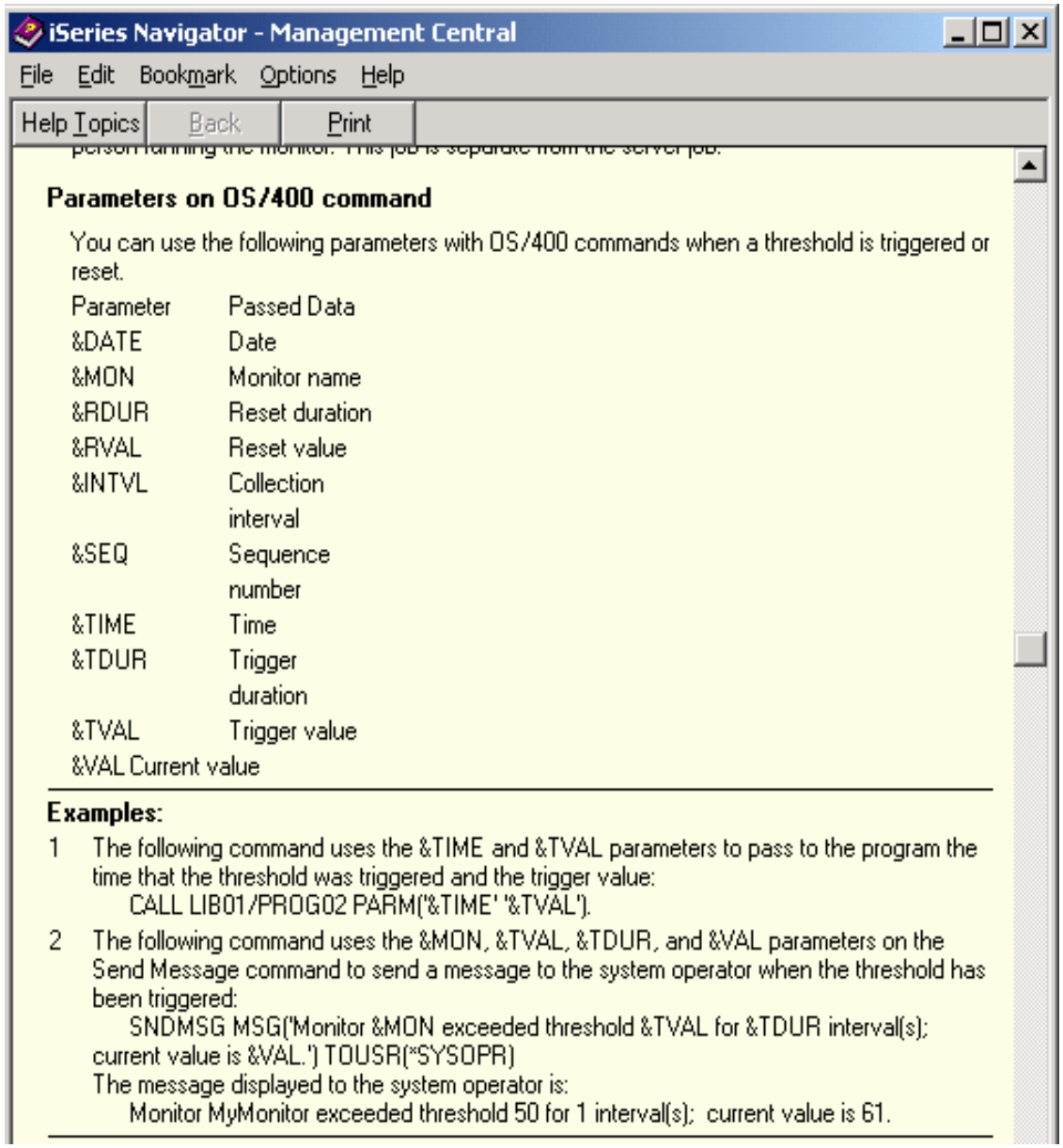
Metric Graphing



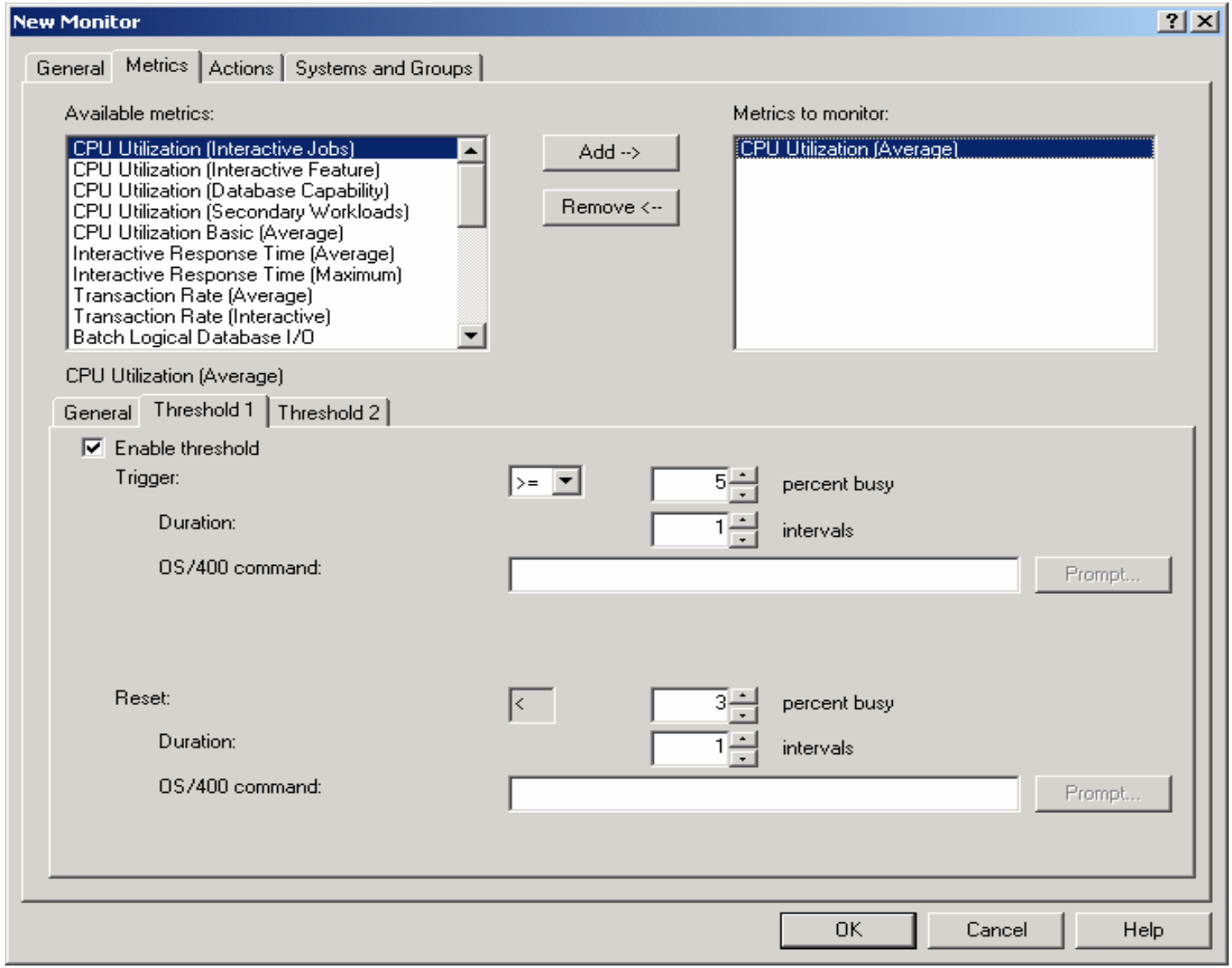
CPU Threshold



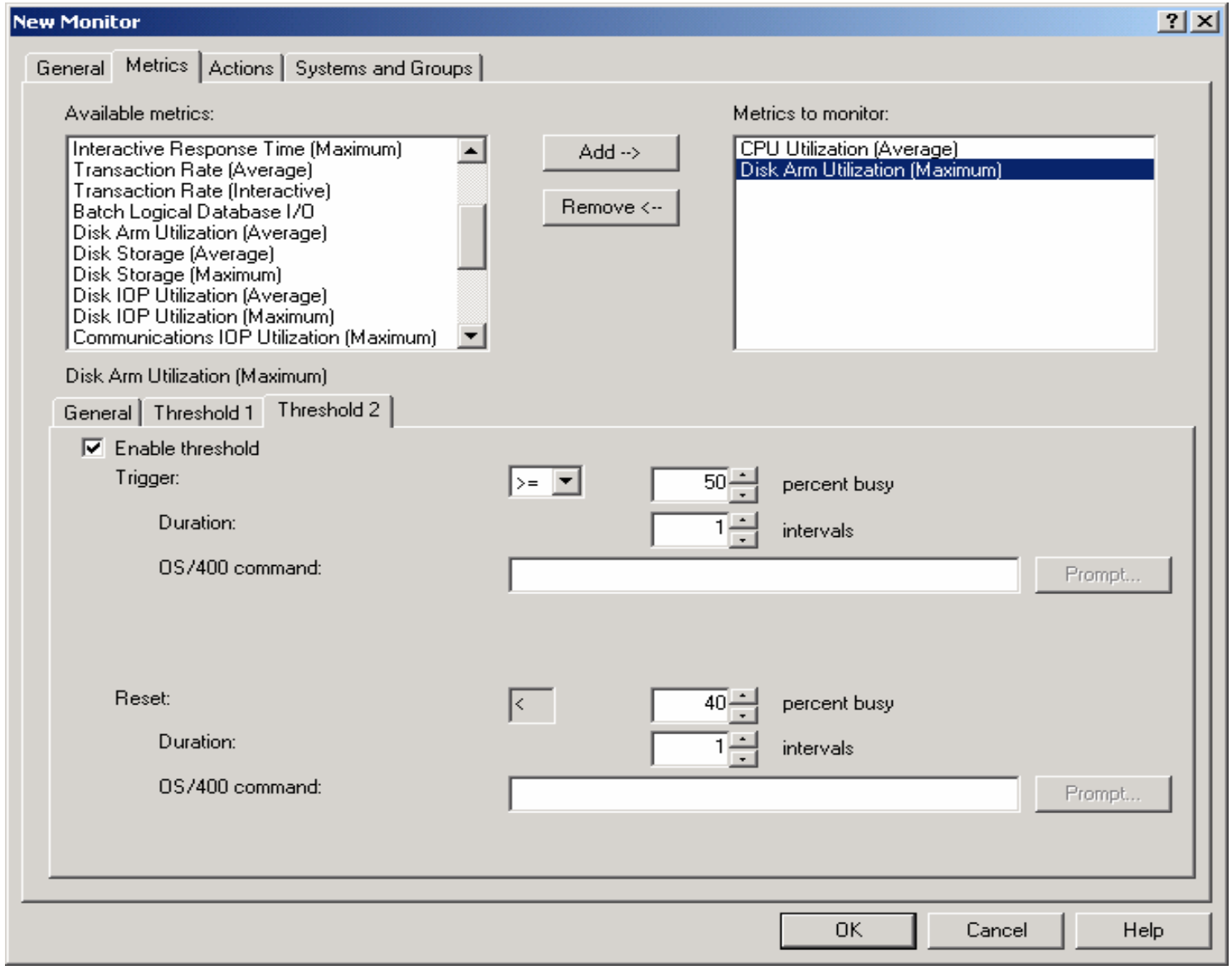
OS/400 Command



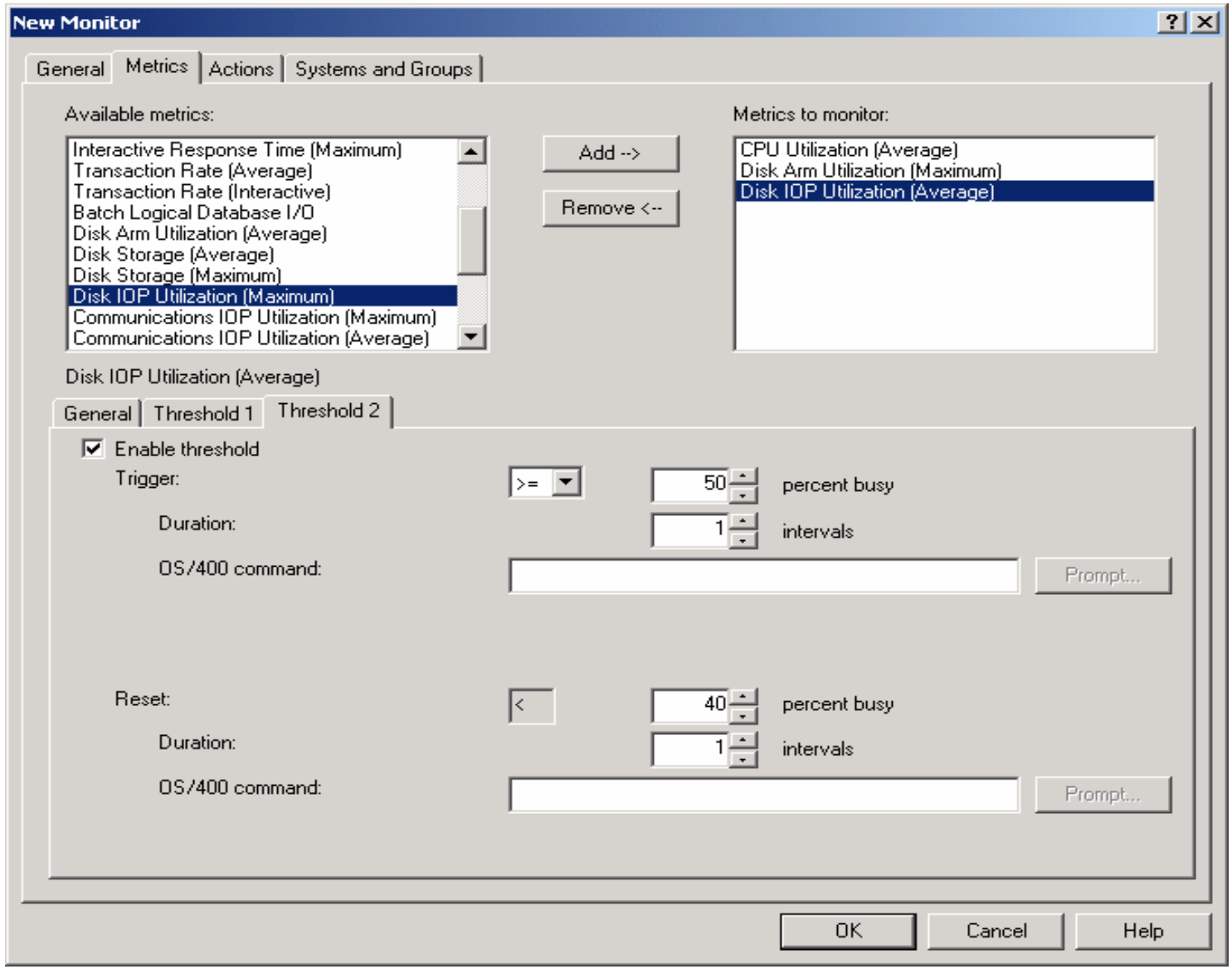
CPU Trigger


New Monitor
General
Metrics
Actions
Systems and Groups
Available metrics:
CPU Utilization (Interactive Jobs)
CPU Utilization (Interactive Feature)
CPU Utilization (Database Capability)
CPU Utilization (Secondary Workloads)
CPU Utilization Basic (Average)
Interactive Response Time (Average)
Interactive Response Time (Maximum)
Transaction Rate (Average)
Transaction Rate (Interactive)
Batch Logical Database I/O
Add -->
Remove <--
Metrics to monitor:
CPU Utilization (Average)
CPU Utilization (Average)
General
Threshold 1
Threshold 2
Enable threshold
Trigger:
>=
5
percent busy
Duration:
1
intervals
OS/400 command:
Prompt...
Reset:
<
3
percent busy
Duration:
1
intervals
OS/400 command:
Prompt...
OK
Cancel
Help

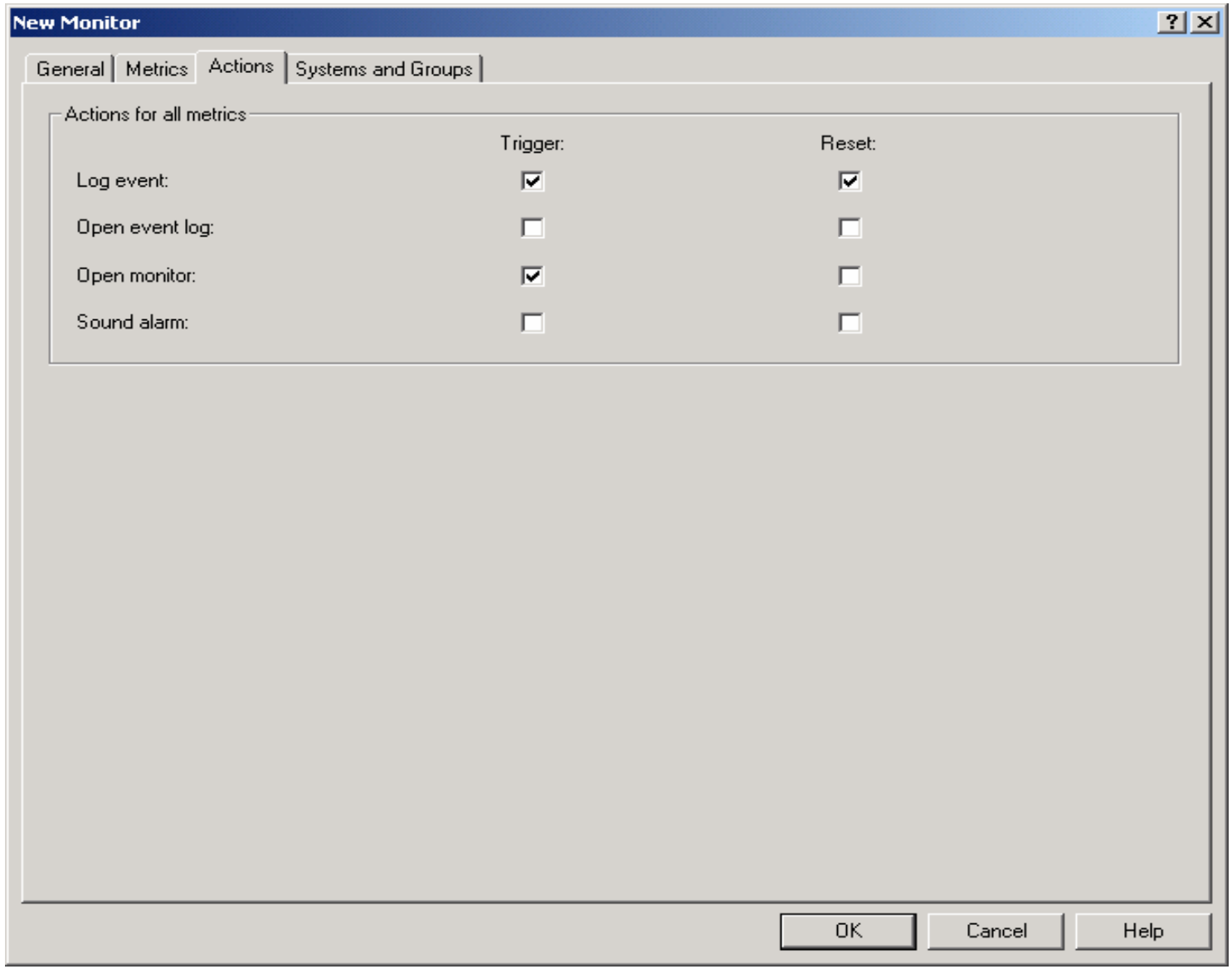
Disk Arm Utilization



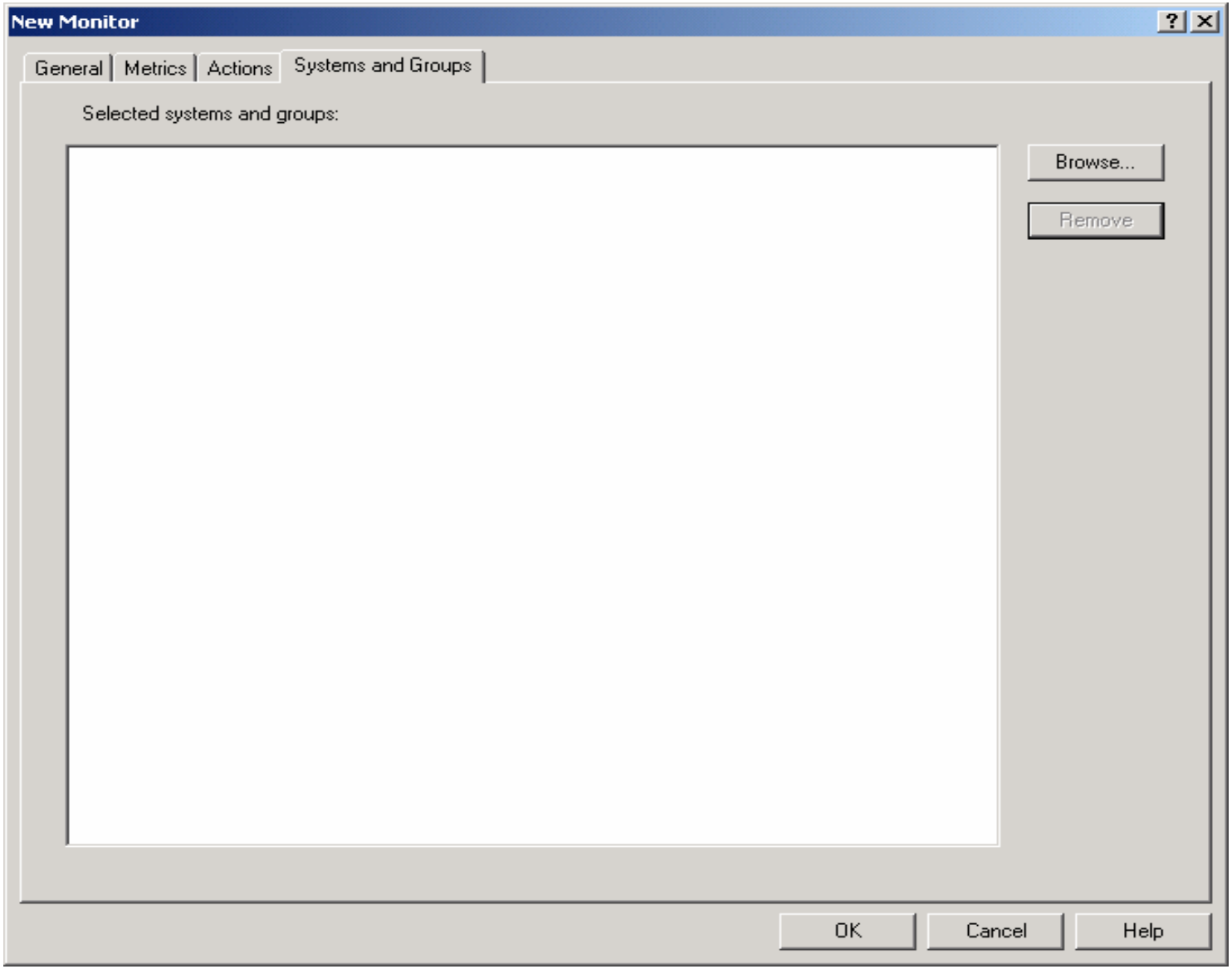
Disk IOP Utilization



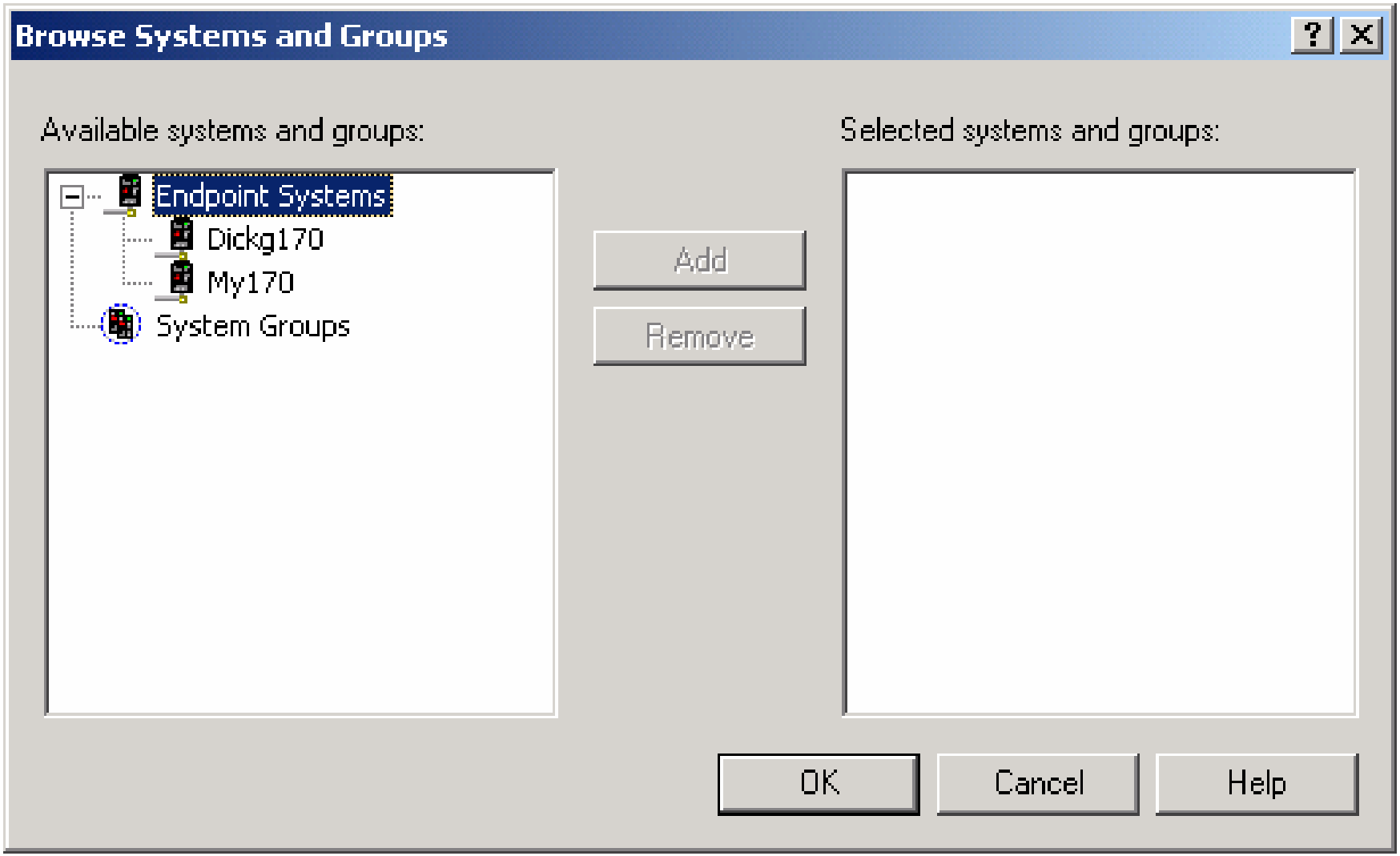
Actions


New Monitor
General
Metrics
Actions
Systems and Groups
Actions for all metrics
Trigger:
Reset:
Log event:
Open event log:
Open monitor:
Sound alarm:
OK
Cancel
Help

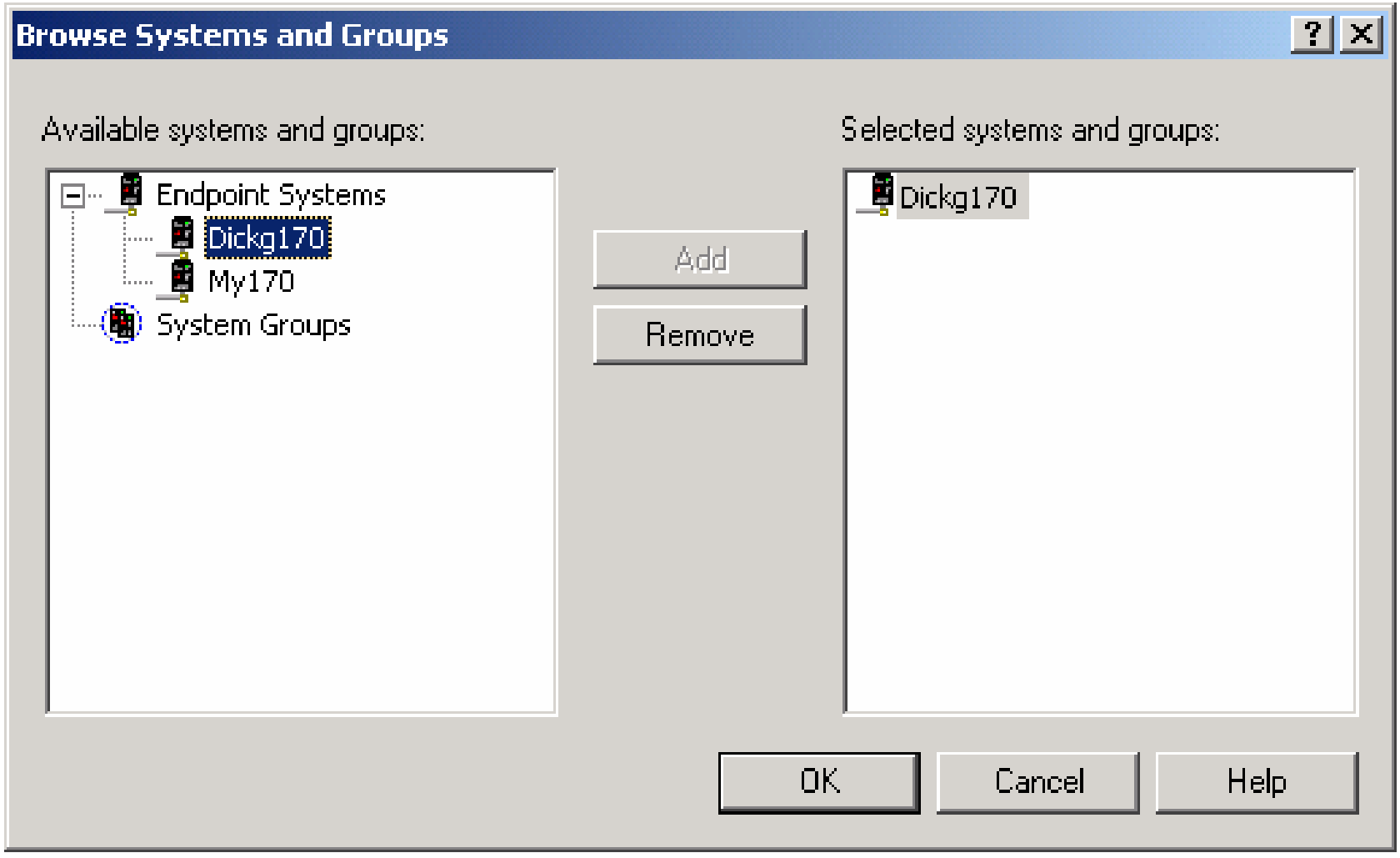
System(s)


New Monitor
General
Metrics
Actions
Systems and Groups
Selected systems and groups:
Browse...
Remove
OK
Cancel
Help

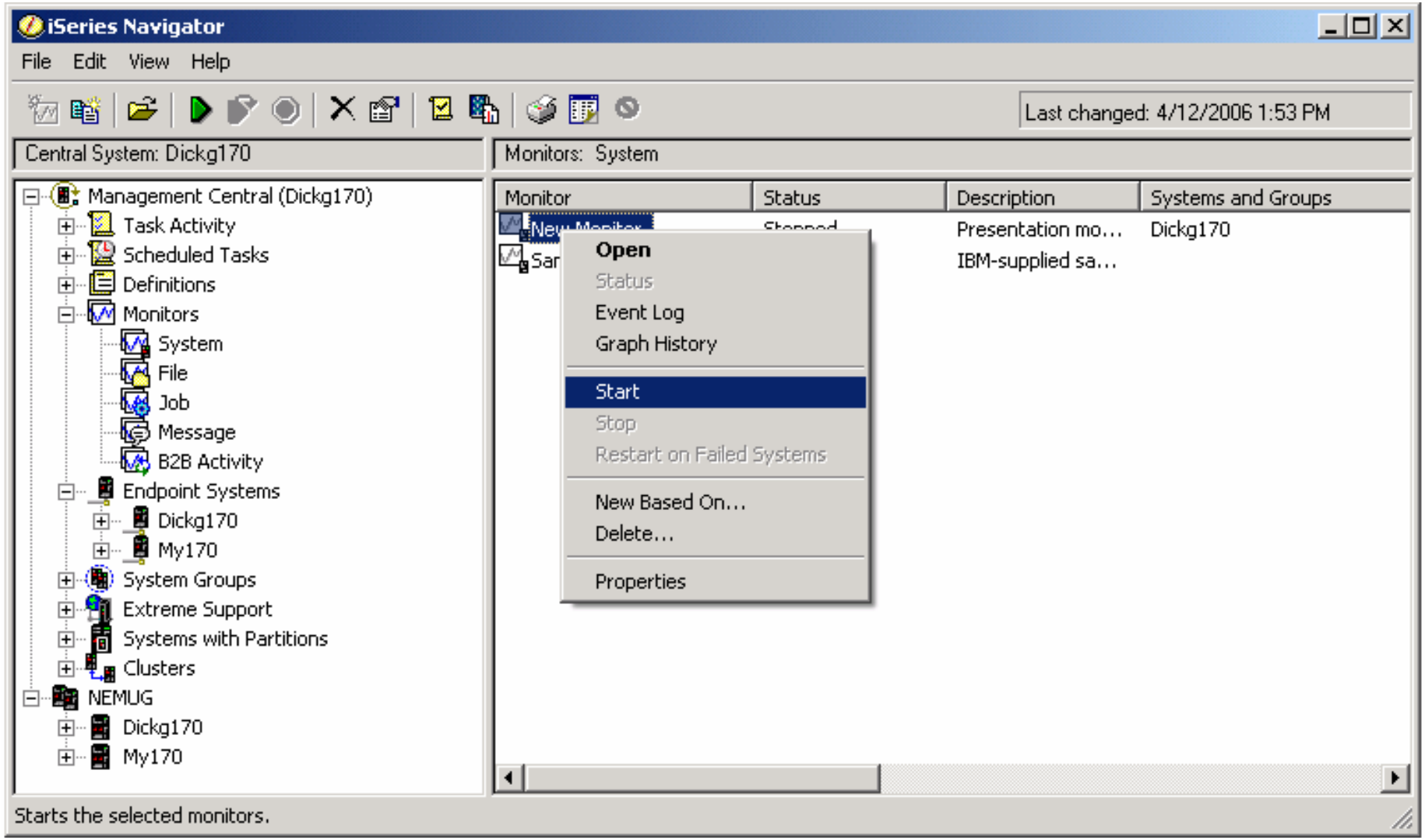
Browse Systems



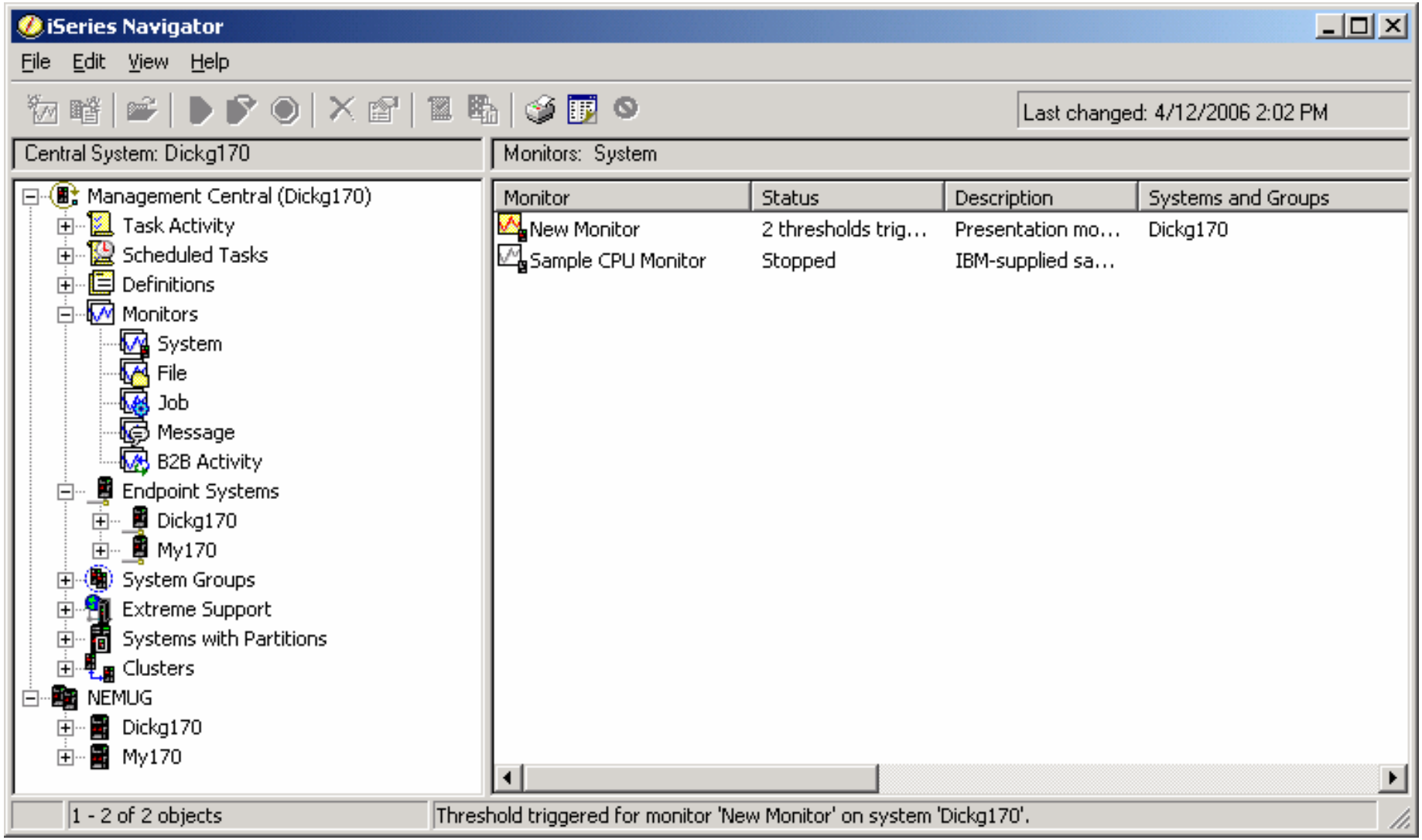
Add System

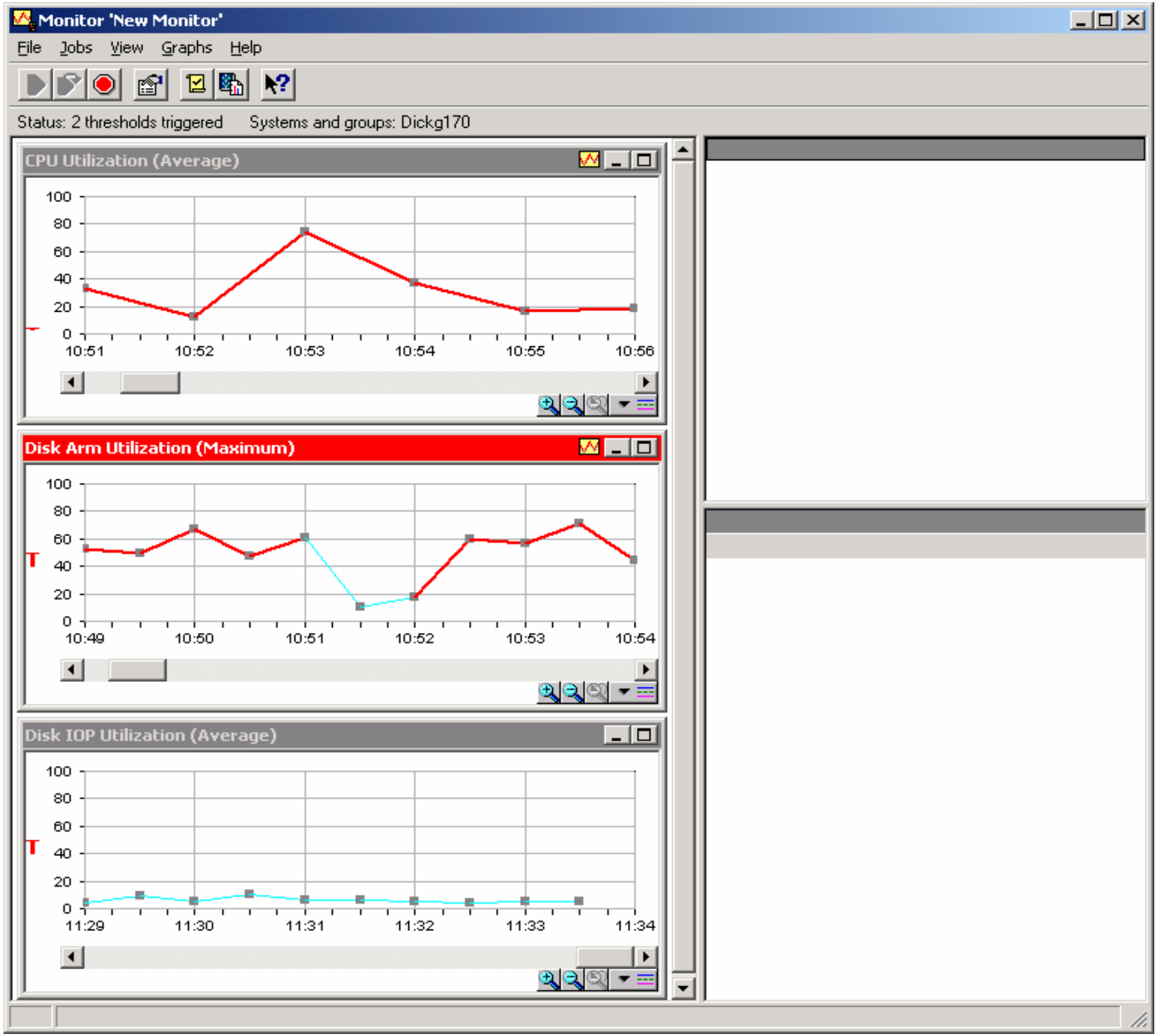

Browse Systems and Groups
Available systems and groups:
Endpoint Systems
Dickg170
My170
System Groups
Add
Remove
Selected systems and groups:
Dickg170
OK
Cancel
Help

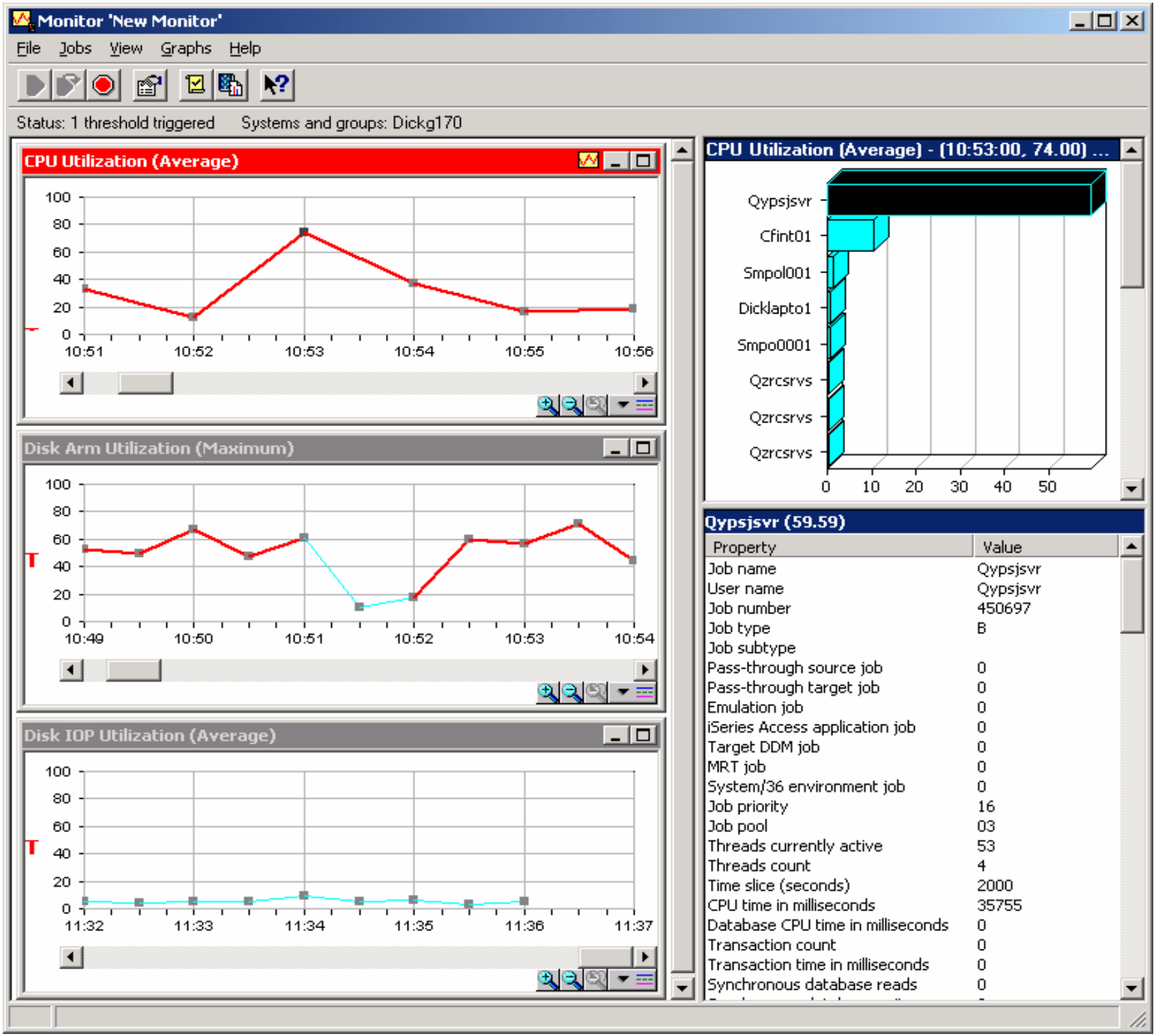
Start Monitor



Threshold Triggered

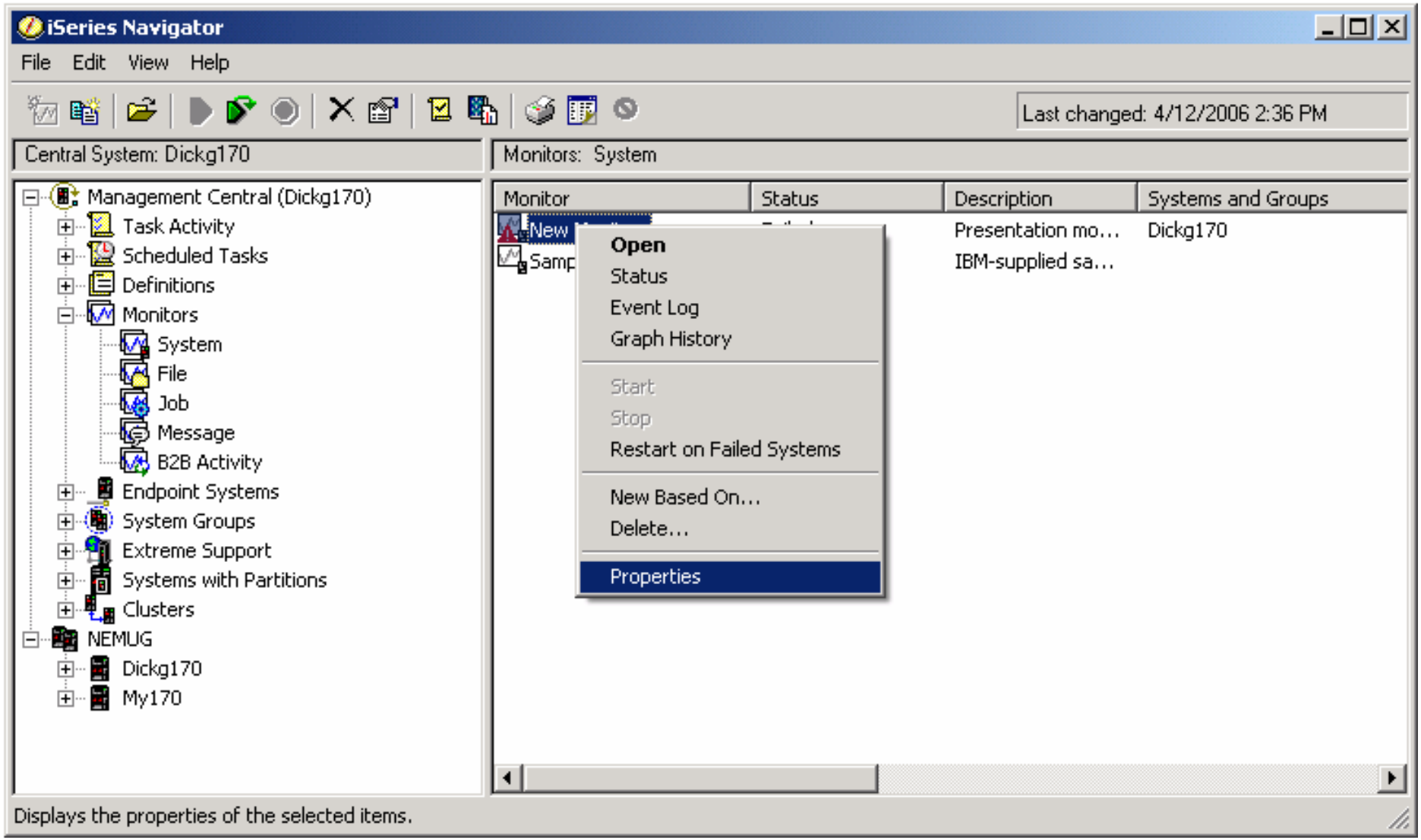



Monitor 'New Monitor'
File Jobs View Graphs Help
Status: 2 thresholds triggered
Systems and groups: Dickg170
CPU Utilization (Average)
100
80
60
40
20
0
10:51
10:52
10:53
10:54
10:55
10:56
Disk Arm Utilization (Maximum)
T
100
80
60
40
20
0
10:49
10:50
10:51
10:52
10:53
10:54
Disk IOP Utilization (Average)
T
100
80
60
40
20
0
11:29
11:30
11:31
11:32
11:33
11:34

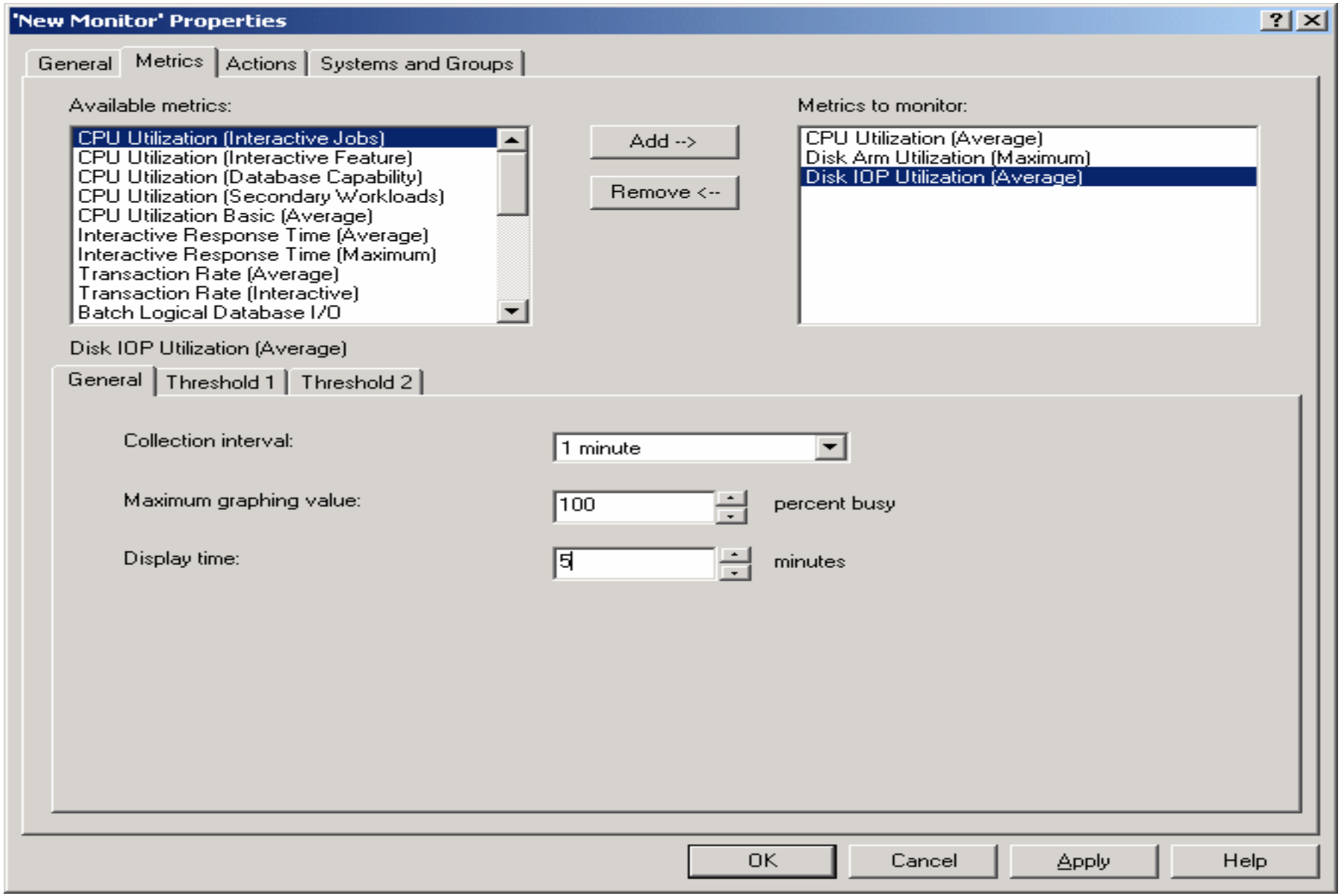


Property	Value
Job name	Qypsjsvr
User name	Qypsjsvr
Job number	450697
Job type	B
Job subtype	
Pass-through source job	0
Pass-through target job	0
Emulation job	0
iSeries Access application job	0
Target DDM job	0
MRT job	0
System/36 environment job	0
Job priority	16
Job pool	03
Threads currently active	53
Threads count	4
Time slice (seconds)	2000
CPU time in milliseconds	35755
Database CPU time in milliseconds	0
Transaction count	0
Transaction time in milliseconds	0
Synchronous database reads	0

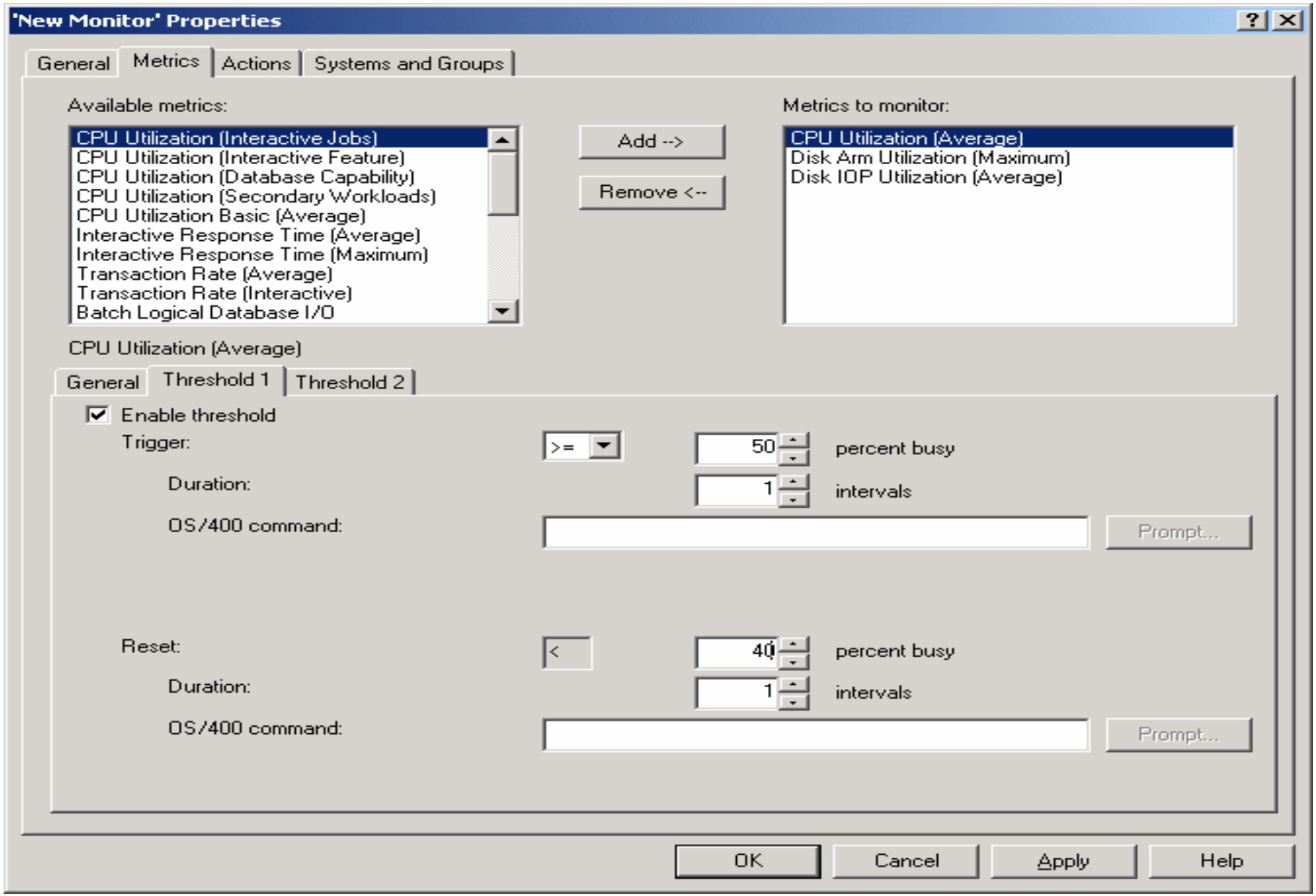
Modify in Real Time



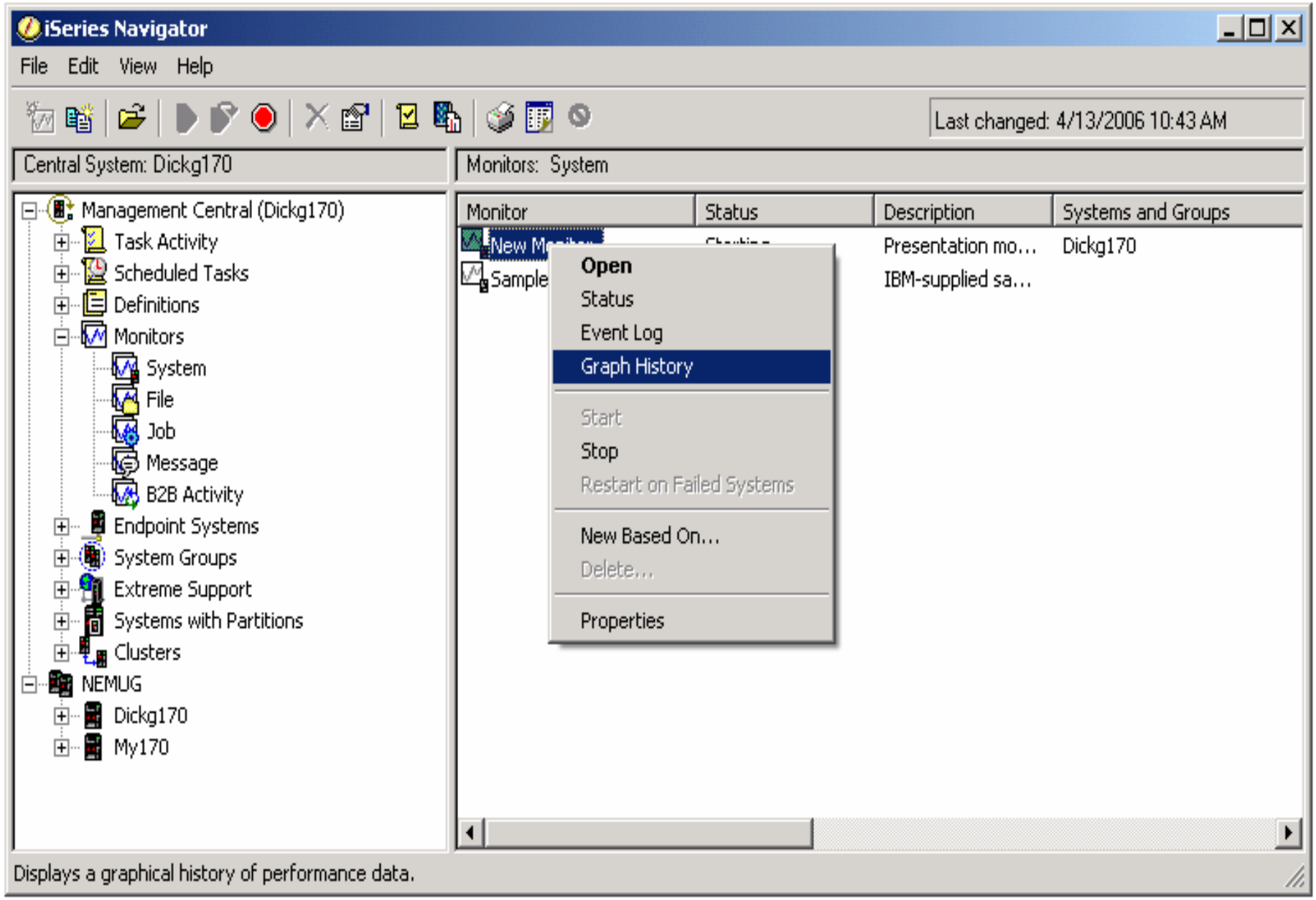
Change the metrics

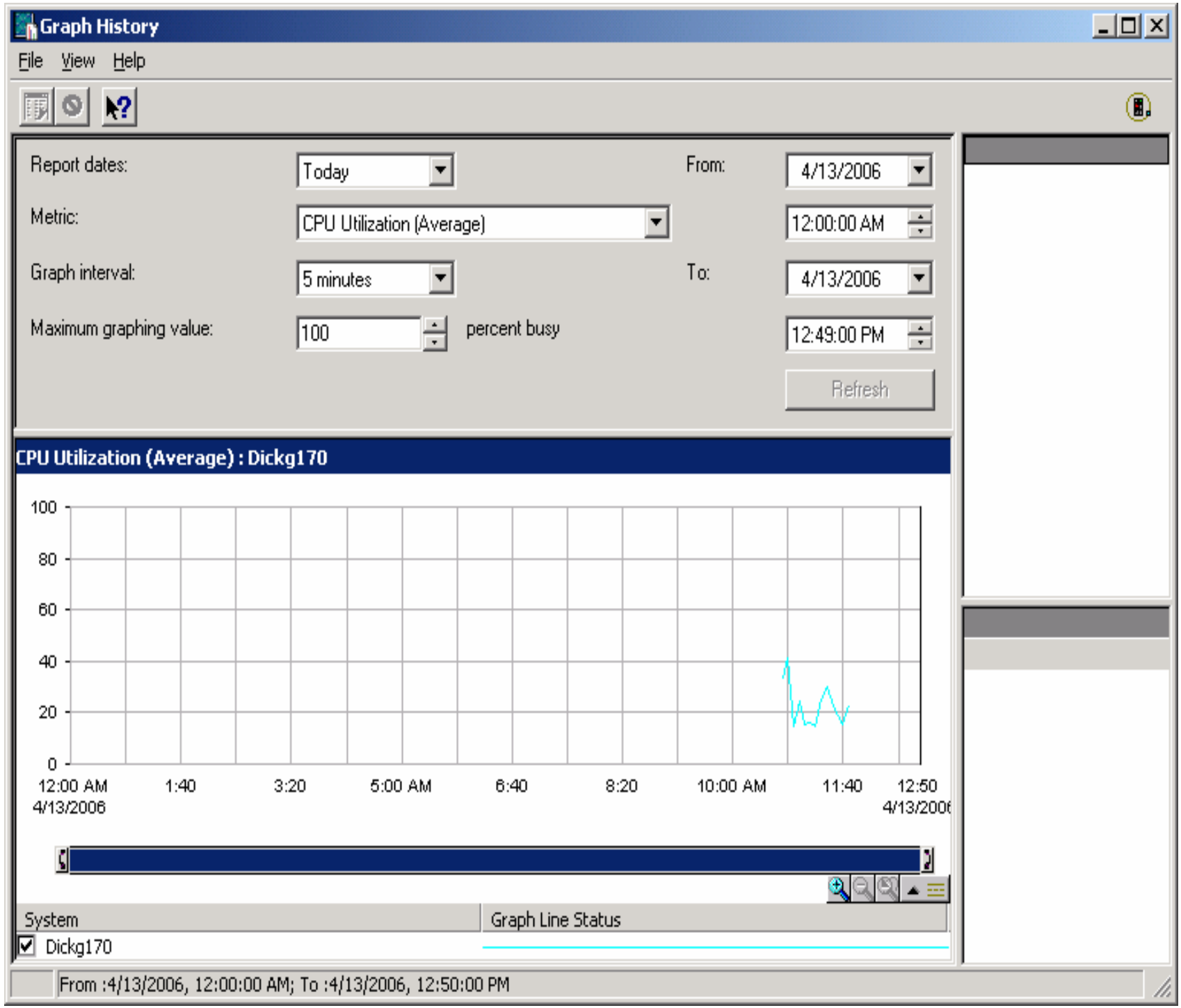


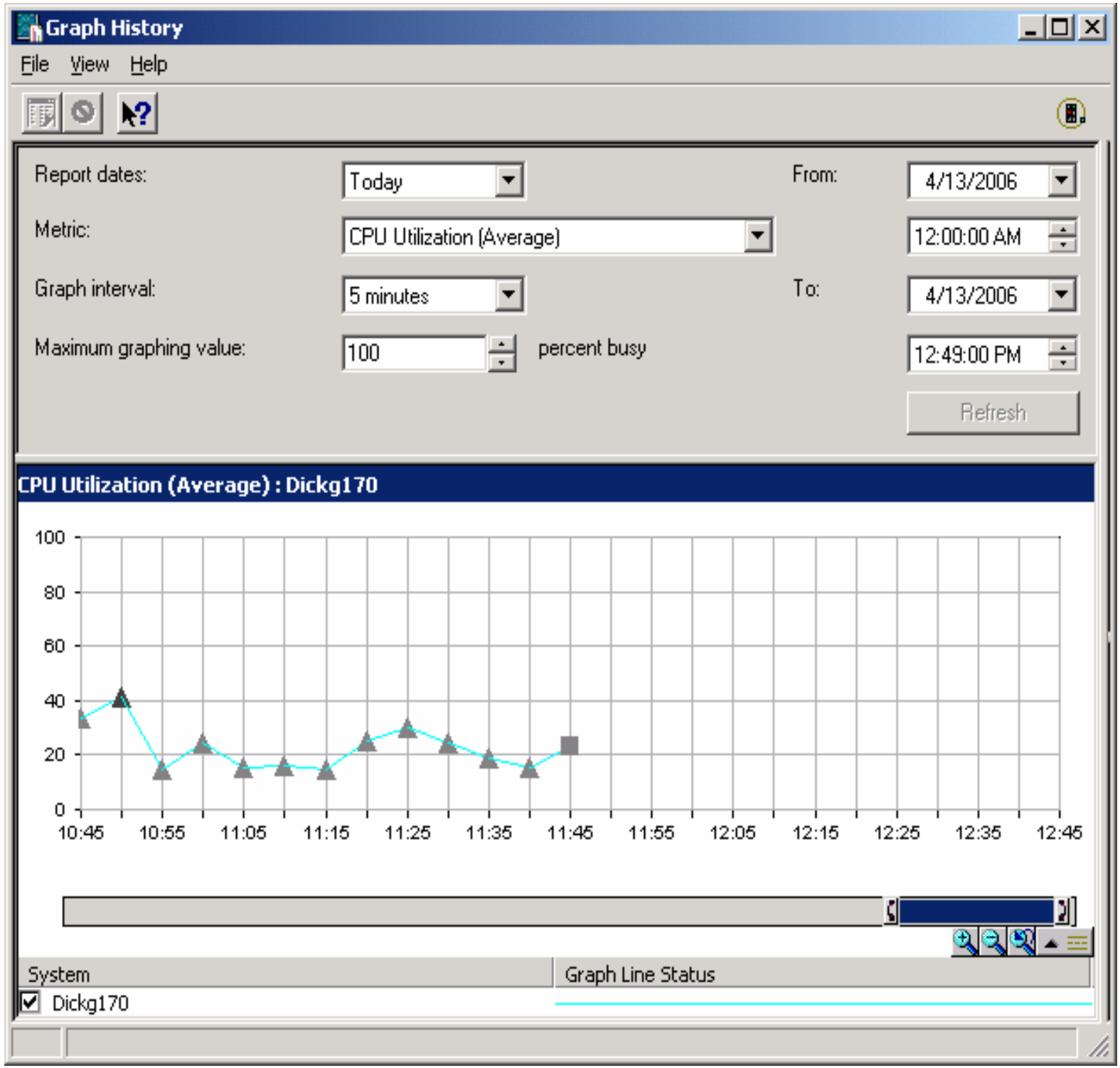
Change the Threshold



Historical Data




Graph History
File View Help
Report dates:
Today
From:
4/13/2006
Metric:
CPU Utilization (Average)
12:00:00 AM
Graph interval:
5 minutes
To:
4/13/2006
Maximum graphing value:
100
percent busy
12:49:00 PM
Refresh
CPU Utilization (Average) : Dickg170
100
80
60
40
20
0
12:00 AM
4/13/2006
1:40
3:20
5:00 AM
6:40
8:20
10:00 AM
11:40
12:50
System
Graph Line Status
Dickg170
From :4/13/2006, 12:00:00 AM; To :4/13/2006, 12:50:00 PM


Graph History
File View Help
Report dates:
Today
From:
4/13/2006
Metric:
CPU Utilization (Average)
12:00:00 AM
Graph interval:
5 minutes
To:
4/13/2006
Maximum graphing value:
100
percent busy
12:49:00 PM
Refresh
CPU Utilization (Average) : Dickg170
100
80
60
40
20
0
10:45
10:55
11:05
11:15
11:25
11:35
11:45
11:55
12:05
12:15
12:25
12:35
12:45
System
Graph Line Status
Dickg170

Questions?

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