

# WebAdmin Guide

WebtoB 5 Fix#4

**TMAXSOFT**

# Copyright

Copyright 2023. TmaxSoft Co., Ltd. All Rights Reserved.

## Restricted Rights Legend

All TmaxSoft Software (Tmax WebtoB®) and documents are protected by copyright laws and international convention. TmaxSoft software and documents are made available under the terms of the TmaxSoft License Agreement and this document may only be distributed or copied in accordance with the terms of this agreement. No part of this document may be transmitted, copied, deployed, or reproduced in any form or by any means, electronic, mechanical, or optical, without the prior written consent of TmaxSoft Co., Ltd. Nothing in this software document and agreement constitutes a transfer of intellectual property rights regardless of whether or not such rights are registered) or any rights to TmaxSoft trademarks, logos, or any other brand features.

This document is for information purposes only. The company assumes no direct or indirect responsibilities for the contents of this document, and does not guarantee that the information contained in this document satisfies certain legal or commercial conditions. The information contained in this document is subject to change without prior notice due to product upgrades or updates. The company assumes no liability for any errors in this document.

## Trademarks

Tmax WebtoB® is a registered trademark of TmaxSoft Co., Ltd. Other products, titles or services may be registered trademarks of their respective companies.

## Open Source Software Notice

Some modules or files of this product are subject to the terms of the following licenses. : OpenSSL, ZLIB, PCRE, APACHE1.0, APACHE1.1, APACHE2.0, JSON-C, BSD, RSA, PHP, Paul Hsieh's hash

Detailed Information related to the license can be found in the following directory:

\${INSTALL\_PATH}/lib/licenses

## Document History

Product Version	Guide Version	Date	Remarks
WebtoB 5 Fix#4	2.1.5	2023-12-21	-

# Contents

1. Introduction .....	1
1.1. Overview .....	1
1.2. Installation .....	1
1.2.1. Installation in Linux .....	1
1.2.2. Installation in Windows .....	1
1.3. Before Starting WebAdmin .....	2
1.4. Starting WebAdmin .....	3
1.5. UI Layout .....	4
2. Key Features .....	6
2.1. System Search/Control .....	6
2.2. Environment Configuration .....	8
2.2.1. Adding a Configuration .....	9
2.2.2. Changing a Configuration .....	10
2.3. Monitoring .....	12
2.3.1. Node .....	12
2.3.2. HTH Statistics .....	12
2.3.3. Thread .....	13
2.3.4. Thread Summary .....	14
2.3.5. Server .....	14
2.3.6. JSV Server .....	15
2.3.7. Process .....	16
2.3.8. Service .....	18
2.3.9. Reverse Proxy Group .....	19
2.3.10. Reverse Proxy .....	19
2.3.11. Handler (Client) .....	20
2.3.12. Handler Summary .....	21

# 1. Introduction

This chapter introduces WebAdmin and how to start and use the user interface.

## 1.1. Overview

WebAdmin is a browser-based user interface for managing WebtoB. It provides similar functionalities as the console management program, wsadmin.

## 1.2. Installation

WebAdmin is only supported in Linux and Windows. WebAdmin can be installed and used on a server separate from WebtoB.

### 1.2.1. Installation in Linux

The following describes how to install WebAdmin in Linux.

1. Download the WebtoB WebAdmin file from the TmaxSoft TechNet (<http://technet.tmaxsoft.com/ko/front/main/main.do>) site.
2. Extract the file and execute the webtob-webadmin file under the bin folder.

```
$qpsp1@webtob:/home/webtob/webtob_webadmin/webtob-webadmin-5.0.0.1-b6/bin>./webtob-webadmin
Play server process ID is 349
[info] play - Application started (Prod)
[info] play - Listening for HTTP on /0:0:0:0:0:0:0:0:9000
```

3. Do the following to set a port other than the default port (9000) as the listener port for WebtoB-webadmin.

Run webtob-webadmin with the -Dhttp.port option to specify the desired port number as follows:

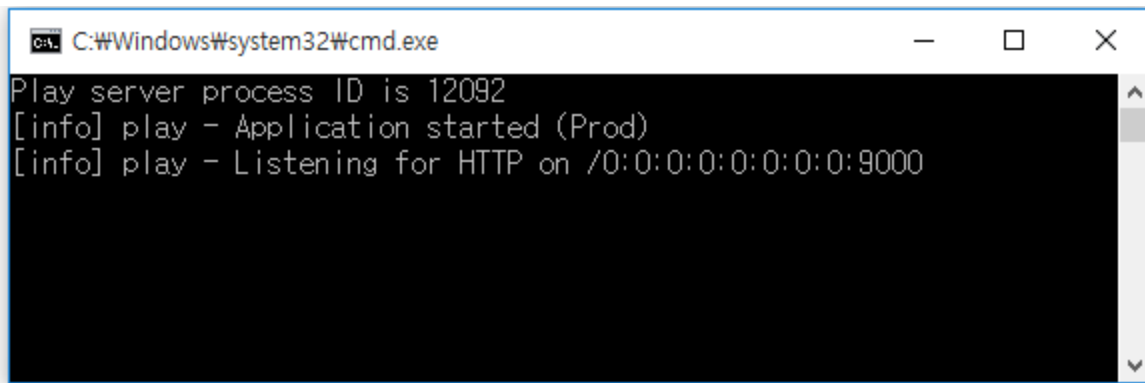
```
$qpsx1@suna:/home/suna/Webadmin/webtob-webadmin-5.0.0.1-b6/bin>./webtob-webadmin -Dhttp.port=9001
Play server process ID is 11228
[info] play - Application started (Prod)
[info] play - Listening for HTTP on /0:0:0:0:0:0:0:0:9001
```

### 1.2.2. Installation in Windows

The following describes how to install WebAdmin in Windows.

1. Download the WebtoB WebAdmin file from the TmaxSoft TechNet (<http://technet.tmaxsoft.com/ko/front/main/main.do>) site.

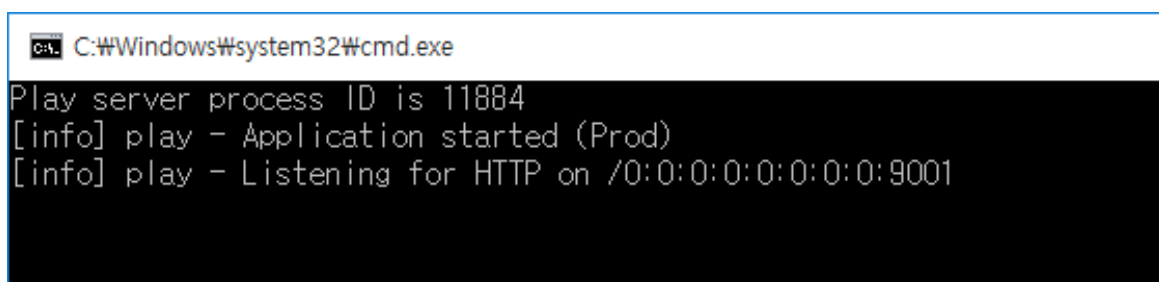
2. Extract the file and execute the webtob-webadmin (.bat) file under the bin folder.



WebAdmin Installation

3. To use a port other than the default port (9000) as the listener port for WebtoB-webadmin, open the webtob-webadmin (.bat) file by using a text editor, and change -Dhttp.port to a desired port. Then, save and execute.

```
set "APP_CLASSPATH=%APP_LIB_DIR%\com.tmaxsoft.webtob-webadmin-5.0.0.1-b6.jar;.....  
  
set "APP_MAIN_CLASS=-Dhttp.port=9001 play.core.server.NettyServer"  
  
rem Call the application and pass all arguments unchanged.  
"%_JAVACMD%" %_JAVA_OPTS% %WEBTOB_WEBADMIN_OPTS% -cp "%APP_CLASSPATH%" %APP_MAIN_CLASS% %*
```



Executing WebAdmin After Changing the Listener Port

## 1.3. Before Starting WebAdmin

Before starting WebAdmin, you need to first run the WebtoB **wsracd** command.

For more information, refer to "wsracd" in *WebtoB Administrator's Guide*.

- When you need to use user ID and password (need to change wsracd privileges)
  1. Grant wsracd root privileges.
  2. Grant 'sticky bit' to wsracd (check the result).
  3. Run wsracd.



Since wsracd is executed with root privileges, WEBTOB\_DIR and library

settings are required for the root.

- When you don't need to use the user ID and password (no need to change wsracd privileges)
  1. Run wsracd -a (anonymous mode).

## 1.4. Starting WebAdmin

The following describes how to start WebAdmin.

1. Enter the following in the web browser address bar.

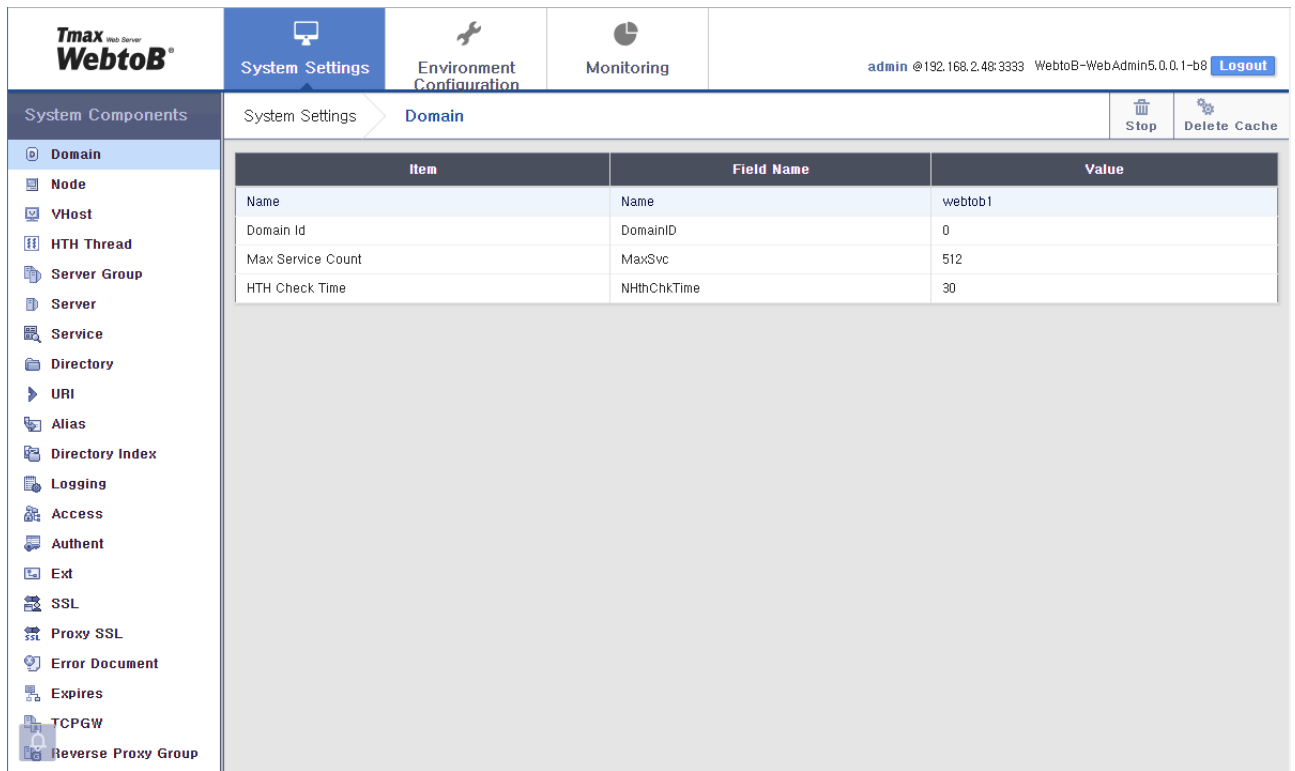
`http://<IP address>:9000`

2. On the login page, enter the administrator ID and password, host, and port and then click **[Log In]**. Enter the host and port of **wsracd**. The default port is 3333. If wsracd is not running or wsracd is using a port other than the default port, then login will fail.



WebAdmin Login

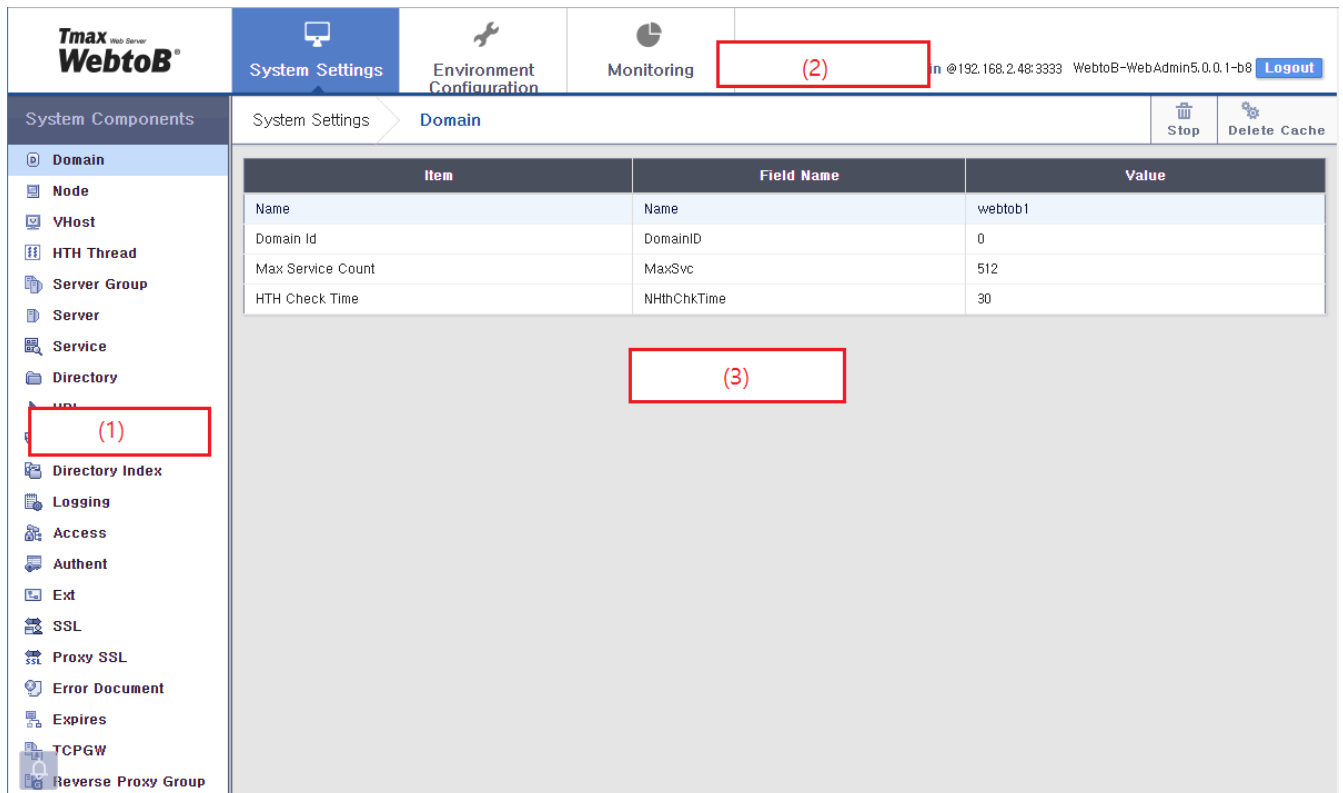
3. After logging in, the WebAdmin page is displayed.



WebAdmin Page

## 1.5. UI Layout

The following is the WebAdmin start page. The page consists of 3 areas.



WebAdmin Page Layout

- (1) Tree Area

Displays the navigation menu for the selected menu at the top.

- **(2) Configuration Area**

Displays information related to the selected menu at the top.

- **(3) Main Area**

Displays the page of the selected menu in the navigation tree.



## 2. Key Features

This chapter describes the menus of WebAdmin and how to use them.

### 2.1. System Search/Control

In **[System Settings]**, you can check the current WebtoB configuration and connected client information. This is similar to using the **wsadmin config** command. For more information about the command, refer to "config (cfg)" in *WebtoB Administrator's Guide*.

Click **[Node]** from the navigation pane to display the list of nodes.

The screenshot displays the Tmax WebtoB WebAdmin interface. The top navigation bar includes 'System Settings', 'Environment Configuration', and 'Monitoring'. The left sidebar lists 'System Components' with 'Node' selected. The main content area shows a table of nodes under the 'Dynamic Configuration' section.

	Name	WebtoBDir	ShmKey	DocRoot	Port
<input type="checkbox"/>	qpsx1	/home/suna/webtoB5/	64285	/home/suna/webtoB5/docs/	["5580"]

Viewing a WebtoB Node in WebAdmin

Click a node name to display more information about the node. For information about each item, refer to "NODE Section" in *WebtoB Administrator's Guide*.

Tmax Web Server

WebtoB®

System Settings

Environment Configuration

Monitoring

admin @ 192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

System Components

System Settings

Node

qpsx1

Stop

Delete Cache

Domain

Node

VHost

HTH Thread

Server Group

Server

Service

Directory

URI

Alias

Directory Index

Logging

Access

Authent

Ext

SSL

Proxy SSL

Error Document

Expires

TCPGW

Reverse Proxy Group

Dynamic Configuration

Item	Field Name	Value
Name	Name	qpsx1
Hostname	Hostname	qpsx1
Document Root	Docroot	/home/suna/webtoB5/docs/
Server Root Directory	SvrRoot	/home/suna/webtoB5/
Allowed Methods	Method	GET, POST, HEAD, OPTIONS
Shared Memory Segment Key	ShmKey	64285
HTH Count	HTH	1
HTH Queue Timeout	HthQTimeout	0
Node Port	NodePort	7777
Listen Port Numbers	Port	["5580"]
Port Number for JEUS Servlet Connection	JsvPort	34423
Use SSL for JEUS Servlet Connection	JsvSslFlag	false
RAC Port	RacPort	3333
Use SSL	SslFlag	false
Timeout	Timeout	300
Timeout Status	TimeoutStatus	500
Initial Connection Timeout	InitialConnectionTimeout	0
Request Header Timeout	RequestHeaderTimeout	60
Request Body Timeout	RequestBodyTimeout	0

Viewing Node Information in WebAdmin



You can view information about each system component. For information about individual settings, refer to "Configuration Items" in *WebtoB Administrator's Guide*.

### Dynamic Settings

Some settings can be changed dynamically. Settings that can be changed dynamically do not require restart of WebtoB. Dynamic configuration changes have the same effect as using the **wsadmin set** command. For more information about using this command, refer to "set" in *WebtoB Administrator's Guide*.

Click **[Dynamic Configuration]** at the top left to open the following window:

To change an item, enter a value and then click **[OK]** to apply the changes.

Dynamic Configuration

Configure Node settings dynamically.

Field Name	Value
HthQTimeout	
InitialConnectionTimeout	
RequestHeaderTimeout	
RequestBodyTimeout	
CacheEntry	
KeepaliveTimeout	
KeepaliveMax	
LimitRequestBody	
LimitRequestFields	
LimitRequestFieldSize	
LimitRequestLine	
RepeatableReadCountFromServer	
RepeatableWriteCountToClient	

OK
Cancel

Dynamically Changing WebAdmin System Configuration

## 2.2. Environment Configuration

In **[Environment Configuration]**, you can view, add, or modify each item in the current WebtoB configuration file.

Click **[VHost]** from the navigation pane to display the list of vhosts.

Tmax Web Server  
WebtoB®

System Settings
Environment Configuration
Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

System Components

Domain
Node
VHost
HTH Thread
Server Group
Server
Service
Directory
URI
Alias
Directory Index
Logging
Access
Authent
Ext
SSL

Environment Configuration
VHost

Compile
Save
Revert
Diff

New
Delete

	Name	HostName	DocRoot	Port
<input type="checkbox"/>	vhost1	192.168.2.48	/home/suna/webtob5/docs	[7410]
<input type="checkbox"/>	vhost2	vhost2.tmax.co.kr	docs/vhost2	[6080]
<input type="checkbox"/>	vhost3	vhost3.tmax.co.kr	docs/vhost3	[7080]

New
Delete

WebAdmin Environment File Configuration

Click a vhost name to view its current settings in the environment file. For more information about each items, refer to "Configuration Items" in *WebtoB Administrator's Guide*.

You can manage all vhost settings in the configuration file.

Tmax Web Server  
WebtoB®

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

System Components

Environment Configuration > VHost > vhost1

Compile Save Revert Diff

Domain

Node

VHost

HTH Thread

Server Group

Server

Service

Directory

URI

Alias

Directory Index

Logging

Access

Authent

Ext

SSL

Proxy SSL

Error Document

Expires

TCPGW

Reverse Proxy Group

Save Delete

Item	Field Name	Value
Name	name	vhost1
HostName	HostName	192.168.2.48
DocRoot (docs/)	DocRoot	/home/suna/webtoB5/docs
Listen Port Numbers (80)	Port	7410 Add

Advanced Settings

	Field Name	Value
HostAlias	HostAlias	vhost1 Add vhost1.tmax.co.kr Delete
Allowed Methods	Method	
Listen IP Addresses/Port Numbers	Listen	Add
Use SSL (N)	SslFlag	Y
*SSL Name	SslName	ssl1
Icon Directory	IconDir	
User Specific Directories	UserDir	Add
Environment Variable File	EnvFile	
Index File Names (index.html)	IndexName	Add
*DIRINDEX Names	DirIndex	
Options (HTML, CGI, SSL, PHP, JSV, USER)	Options	
ErrorDocument	ErrorDocument	Add
Logging	Logging	Select Add

WebAdmin Environment Configuration VHost

### 2.2.1. Adding a Configuration

The following describes how to add an environment file.

- Under **System Components**, select a component to add to the environment file.

Tmax Web Server  
WebtoB®

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

System Components

Environment Configuration > VHost

Compile Save Revert Diff

New Delete

	Name	HostName	DocRoot	Port
<input type="checkbox"/>	vhost1	192.168.2.48	/home/suna/webtoB5/docs	[7410]
<input type="checkbox"/>	vhost2	vhost2.tmax.co.kr	docs/vhost2	[6080]
<input type="checkbox"/>	vhost3	vhost3.tmax.co.kr	docs/vhost3	[7080]

New Delete

Adding a WebAdmin Environment Configuration (1)

- Click **[New]** at the top left of the page.

The screenshot shows the WebtoB interface with the 'Environment Configuration' tab selected. The 'VHost' sub-tab is active, and the 'New' button is clicked. The form contains the following fields:

Item	Field Name	Value
Name	name	new/vhost
HostName	HostName	new/vhost.tmax.co.kr
DocRoot (docs/)	DocRoot	docs/new
Listen Port Numbers (80)	Port	7083

Below the main form is an 'Advanced Settings' section with the following fields:

Item	Field Name	Value
HostAlias	HostAlias	
Allowed Methods	Method	
Listen IP Addresses/Port Numbers	Listen	
Use SSL (N)	SslFlag	Select
*SSL Name	SslName	
Icon Directory	IconDir	
User Specific Directories	UserDir	
Environment Variable File	EnvFile	
Index File Names (index.html)	IndexName	
*DIRINDEX Names	DirIndex	
Options (HTML, CGI, SSL, PHP, JSV, USER)	Options	
ErrorDocument	ErrorDocument	

Adding a WebAdmin Environment Configuration (2)

- Enter all required fields, and then click **[Add]**.

The screenshot shows the WebtoB interface with the 'Environment Configuration' tab selected. The 'VHost' sub-tab is active, and the 'New' button is clicked. The table below shows the list of VHost configurations:

Name	HostName	DocRoot	Port
vhost1	192.168.2.48	/home/suna/webtoB5/docs	[7410]
vhost2	vhost2.tmax.co.kr	docs/vhost2	[6080]
vhost3	vhost3.tmax.co.kr	docs/vhost3	[7080]
newVhost	newVhost.tmax.co.kr	docs/new	[7083]

Adding a WebAdmin Environment Configuration (3)

- After adding the configuration, click **[Save]**.
- Click **[Compile]** to apply the changes.

## 2.2.2. Changing a Configuration

The following describes how to modify an environment file.

- Under **System Components**, select a component to modify in the environment file. Modify the desired items, and then click **[Save]**.

Item	Field Name	Value
WebtoBDir	WebtoBDir	/home/suna/webtoB5
Shared Memory Segment Key	ShmKey	64285
DocRoot (docs/)	DocRoot	/home/suna/webtoB5/docs
Listen Port Numbers (80)	Port	5580 <span>Add</span>
Port Number for JEUS Servlet Connection (9999)	JsvPort	34423
Hth (1)	Hth	1
Logging	Logging	log1 <span>Add</span>
Error Log Name in *LOGGING	ErrorLog	Select
*LOGGING Name for System Log	SysLog	log3

Advanced Settings	Field Name	Value
Node Name	Nodename	\$(NODENAME)
User	User	
Group	Group	
HostName	HostName	
Server Root Directory (\$WEBTOBDIR)	SvrRoot	
Allowed Methods	Method	
HTH Queue Timeout (0)	HthQTimeout	
SSL Port Number for JEUS Servlet Connection (0)	JsvSslPort	
Use SSL for JEUS Servlet Connection (N)	JsvSslFlag	Select

### Changing a WebAdmin Environment Configuration

- To compare the changed file with the original file, click **[Diff]** on the right to display the following page.

Click **[Revert]** to revert back to the original configuration.

Source	Target
<pre>+DOMAIN webtoB1  +NODE qpsx1  WEBTOBDIR="/home/suna/webtoB5",         SHMKEY = 64285,         DOCROOT="/home/suna/webtoB5/docs",         PORT = "5580",         HTH = 1,         #Group = "nobody",         #User = "nobody",         NODENAME = "\${NODENAME}",         SysLog = "log3",         LOGGING = "log1",         ERRORLOG = "log2",         JSVPORT = 34423,         CacheMaxFileSize = 8192000,         #DiskCache = "webtoB",         CacheMaxCompressSize = 8190</pre>	<pre>+DOMAIN webtoB1  +NODE qpsx1  webtoBdir = "/home/suna/webtoB5",         shmkey = 64285,         nodename = "\${NODENAME}",         hostname = "webtoB.tmax.co.kr",         docroot = "/home/suna/webtoB5/docs",         hth = 1,         port = "5581",         jsvport = 34423,         cachemaxfilesize = 8192000,         cachemaxcompresssize = 8190,         logging = "log1",         errorlog = "log2",         syslog = "log3"</pre>
<pre>+VHOST vhost1          DOCROOT="/home/suna/webtoB5/docs",         PORT="7410",         HOSTNAME="192.168.2.48",         HOSTALIAS="*",         DiskCache = "dc_docs"</pre>	<pre>+VHOST vhost1          hostname = "192.168.2.48",         hostalias = "vhost1.tmax.co.kr",         docroot = "/home/suna/webtoB5/docs",         port = "7410",         sslflag = Y,         sslname = ssl1</pre>
<pre>+HTH_THREAD hth_worker          SendfileThreads = 10,         AccessLogThread = Y,         #ReadBufSize=1048576, #1M         #HtmlsCompression="image/jpeg",         #SendfileThreshold=0,         WorkerThreads=16</pre>	<pre>vhost2          hostname = "vhost2.tmax.co.kr",         docroot = "docs/vhost2",         port = "6060"  vhost3          hostname = "vhost3.tmax.co.kr",</pre>

### Changing a WebAdmin Environment Configuration - Diff

- When you are finished with making changes, click **[Save]**.
- Click **[Compile]** to save the changes.

## 2.3. Monitoring

In **[Monitoring]**, you can check the current number of requests processed by WebtoB, as well as the status of individual servers.

Click a menu from the navigation pane. To automatically refresh the monitoring data at a set interval, click **[Monitoring]** at the top right and then enter a refresh interval in the page displayed.

### 2.3.1. Node

Click **[Node]** from the navigation pane to view node statistics.

System Settings

Environment Configuration

Monitoring

admin @ 192.168.2.48:3333
WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Node

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

Item	Field Name	Value
Name	Name	qpsx1
Version	Version	WebtoB 5.0 SP 0 Fix #1 Linux-K2.6_x86 FD16384 B82 epoll 2016/08/30
Edition	Edition	Enterprise
License Type	LicenseType	DEMO
expirationdate	expirationdate	20170303
Max Allowed Users	MaxUser	UNLIMITED
Node Count	NodeCount	1
Server Group Count	SvrGroupCount	2
Server Count	SvrCount	1
Service Alloc Count	SvcAllocCount	512
Start Time	StartTime	1483595200

no	name	nodeport	racport	shmkey	shmsize0	shmsize1	shmsize2	hth
0	qpsx1	7777	3333	64285	222552	3947148	46116	1

## WebAdmin Monitoring

The following describes some items on this page.


Item	Description
shmkey	SHMKEY value of the NODE section.
shmsize	Actual shared memory size.

### 2.3.2. HTH Statistics


Under **Monitoring**, click **[HTH Stats]** to view HTH statistics. You can also view this information by using the **wsadmin stat -h** command. For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

Tmax  
WebtoB<sup>®</sup>


Web Server



System Settings



Environment Configuration



Monitoring

admin @192.168.2.48:3333

WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Monitoring

HTH Stats

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

Item	Value
HTH	0
Requests	3
Cache accesses	3
Requests served by (memory) Cache	0
Conditional GET requests processed by HTH	0
304 Not Modified responses by HTH	0
Requests processed by HTH-thread	2
Responses sent through sendfile	0
Responses sent through disk cache	0
Responses sent through reverse proxy	0
SSL/TLS connections	6
Regular non-SSL connections	2
Pipelined requests	0
Requests arrived early	0

WebAdmin Monitoring - HTH Statistics

### 2.3.3. Thread

Click **[Thread]** from the navigation pane to view thread statistics. You can also view this information by using the **wsadmin stat -t** command. For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

Tmax

Web Server

WebtoB®

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333

WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Monitoring

Thread

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	threadid	status	elapsed	atasks	ptasks	qtasks
0	ACCESSLOG	RDY	76	10	10	0
0	WORKER001	RDY	100	1	1	0
0	WORKER002	RDY	270	0	0	0
0	WORKER003	RDY	270	0	0	0
0	WORKER004	RDY	270	0	0	0
0	WORKER005	RDY	270	0	0	0
0	WORKER006	RDY	270	0	0	0
0	WORKER007	RDY	270	0	0	0
0	WORKER008	RDY	270	0	0	0
0	SENDFILE001	RDY	270	0	0	0
0	SENDFILE002	RDY	270	0	0	0
0	SENDFILE003	RDY	270	0	0	0

WebAdmin Monitoring - Thread





Item	Description
hth	HTH number.
threadid	Thread name.
status	Current status. One of: <ul style="list-style-type: none"> <li>RDY: ready to process a new task.</li> <li>NRDY: not ready to process a task.</li> <li>RUN: currently processing a task.</li> </ul>



Item	Description
elapsed	Amount of time passed since the start or end of a task.
atasks	Total number of tasks.
ptasks	Number of tasks processed up to now.
qtasks	Number of tasks currently in the queue.

## 2.3.4. Thread Summary

Click **[Thread Summary]** from the navigation pane to view thread statistics. You can also view this information by using the **wsadmin stat -T** command. For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

		 System Settings	 Environment Configuration	 Monitoring	admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 <a href="#">Logout</a>																																		
Monitoring		Monitoring > Thread Summary					Monitoring																																
<ul style="list-style-type: none"> <li>Node</li> <li>HTH Stats</li> <li>Thread</li> <li><b>Thread Summary</b></li> <li>Server</li> <li>JSV Server</li> <li>Process</li> <li>Service</li> <li>Reverse Proxy Group</li> <li>Reverse Proxy</li> <li>Handler (Client)</li> <li>Handler Summary</li> </ul>		<table> <tr> <th>hth</th><th>no</th><th>threadtype</th><th>status</th><th>threads</th><th>atasks</th><th>ptasks</th><th>qtasks</th></tr> <tr> <td>0</td><td>0</td><td>ACCESSLOG</td><td>RDY</td><td>1</td><td>10</td><td>10</td><td>0</td></tr> <tr> <td>0</td><td>1</td><td>WORKER</td><td>RDY</td><td>8</td><td>1</td><td>1</td><td>0</td></tr> <tr> <td>0</td><td>2</td><td>SENDFILE</td><td>RDY</td><td>10</td><td>0</td><td>0</td><td>0</td></tr> </table>						hth	no	threadtype	status	threads	atasks	ptasks	qtasks	0	0	ACCESSLOG	RDY	1	10	10	0	0	1	WORKER	RDY	8	1	1	0	0	2	SENDFILE	RDY	10	0	0	0
hth	no	threadtype	status	threads	atasks	ptasks	qtasks																																
0	0	ACCESSLOG	RDY	1	10	10	0																																
0	1	WORKER	RDY	8	1	1	0																																
0	2	SENDFILE	RDY	10	0	0	0																																

WebAdmin Monitoring - Thread Summary

Item	Description
hth	HTH number.
threadtype	Type of thread.
status	Current status. One of: <ul style="list-style-type: none"> <li>◦ RDY: ready to process a new task.</li> <li>◦ NRDY: not ready to process a task.</li> </ul>
threads	Number of threads of the threadtype.
atasks	Total number of tasks.
ptasks	Number of tasks processed up to now.
qtasks	Number of currently queued requests.

## 2.3.5. Server

Click **[Server]** from the navigation pane to view server statistics. You can also view this information by

using the **wsadmin svrinfo** command. For more information, refer to "svrinfo (si)" in *WebtoB Administrator's Guide*.

Tmax  
WebtoB®

Web Server

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Monitoring > Server

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	svrname	svri	status	reqs	count	cqcnt	aqcnt	qpcnt	emcnt	rscnt	rbcnt
0	cgi	0	RDY	0	0	0	0	0	0	0	0
0	ssi	1	RDY	0	0	0	0	0	0	0	0
0	MyGroup	2	RDY	0	0	0	0	0	0	0	0

WebAdmin Monitoring - Server

Item	Description
hth	HTH number.
svrname	Server name set in the environment configuration.
svri	Server index number.
status	Server status. <ul style="list-style-type: none"> <li>RDY: ready to process requests. There are server processes connected to WebtoB.</li> <li>NRDY: not ready to process requests. There are no server processes connected to WebtoB.</li> <li>BLK: suspended by administrator command. The server cannot process requests.</li> </ul>
reqs	Number of requests sent to the server.
count	Number of requests processed.
cqcnt	Number of currently queued requests.
aqcnt	Number of cumulative queued requests.
qpcnt	Number of requests removed from queue due to a timeout or qp command.
emcnt	Number of queued requests that exceeds MaxQCount.
rscnt	Number of restarts caused by abnormal termination of the server.
rbcnt	Number of reboots via rbs command.

## 2.3.6. JSV Server

Click **[JSV Server]** from the navigation pane to view JSV server statistics. You can also view this

information by using the **wsadmin stat -j** command.

For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

Tmax Web Server  
WebtoB®

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

Monitoring

Monitoring JSV Server

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	svrname	jengineno	cons	reqs	count	avg	jengineid
0	MyGroup	0	10	0	0	0	amV1c19kb21haW4vc2VydmVyMQ==(jeus_domain/server1)

WebAdmin Monitoring - JSV Server

Item	Description
hth	HTH number.
svrname	Server name set in the environment configuration.
jengineno	Engine number specified in JEUS.
cons	Number of JEUS connections.
reqs	Number of requests sent to the server.
count	Number of requests processed.
avg	Average processing time.
jengineid	Name of JEUS Servlet engine connected to WebtoB.

### 2.3.7. Process

Click **[Process]** from the navigation pane to view process statistics. You can also view this information by using the **wsadmin stat -p** command. For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 [Logout](#)

Monitoring

Monitoring > Process

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	svrname	svgname	sprno	pid	status	reqs	count	avg	rt	clid	svc	v	contime
0	cgi	cgi9	10	18218	RDY	0	0	0	0	-1	-	0	43
0	cgi	cgi9	11	18232	RDY	0	0	0	0	-1	-	0	43
0	ssi	ssig	20	18248	RDY	0	0	0	0	-1	-	0	43
0	ssi	ssig	21	18247	RDY	0	0	0	0	-1	-	0	43
0	MyGroup	jsvg	30	0	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	31	1	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	32	2	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	33	3	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	34	4	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	35	5	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	36	6	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	37	7	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	38	8	RDY	0	0	0	0	-1	-	1	42
0	MyGroup	jsvg	39	9	RDY	0	0	0	0	-1	-	1	42

## WebAdmin Monitoring - Process

Item	Description
hth	HTH number.
svrname	Server name set in the SERVER section.
svgname	Server group name of the SVRGROUP section.
sprno	Process number set in WebtoB.
pid	Process ID. For JVS servers, this is the ID received from the worker thread for each connection.
status	Process status. <ul style="list-style-type: none"> <li>RDY: ready to process requests. There are server processes connected to WebtoB.</li> <li>NRDY: not ready to process requests. There are no server processes connected to WebtoB.</li> <li>RUN: currently processing a request.</li> <li>BRUN: currently sending a reply to a request, but is temporarily in waiting due to flow control.</li> </ul>
reqs	Number of requests sent to the process.
count	Number of requests processed by the process.
avg	Average processing time. (Unit: second)
rt	Time consumed by the currently processed request.
clid	Client ID of the current request.
svc	Service name of EXT or URI of the current request.
v	WJP (WebtoB-JEUS Protocol) version information for a JEUS connection. Internal server processes are indicated with a '0'.

Item	Description
contime	Time elapsed since the process was connected to HTH (duration connected to HTH).

## 2.3.8. Service

Click **[Service]** from the navigation pane to view service statistics. You can also view this information by using the **wsadmin stat -s** command.

For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

		System Settings	Environment Configuration	Monitoring	admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 <a href="#">Logout</a>																																																																		
Monitoring		Monitoring > Service					Monitoring																																																																
<ul style="list-style-type: none"> <li>Node</li> <li>HTH Stats</li> <li>Thread</li> <li>Thread Summary</li> <li>Server</li> <li>JSV Server</li> <li>Process</li> <li><b>Service</b></li> <li>Reverse Proxy Group</li> <li>Reverse Proxy</li> <li>Handler (Client)</li> <li>Handler Summary</li> </ul>		<table> <tr> <th>hth</th><th>svcname</th><th>count</th><th>avg</th><th>cqcnt</th><th>aqcnt</th><th>qavg</th><th>status</th></tr> <tr><td>0</td><td>@shtml</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>htm</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>jsp</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>@cgi</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>url1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>url2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> <tr><td>0</td><td>@html</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>RDY</td></tr> </table>						hth	svcname	count	avg	cqcnt	aqcnt	qavg	status	0	@shtml	0	0	0	0	0	RDY	0	htm	0	0	0	0	0	RDY	0	jsp	0	0	0	0	0	RDY	0	@cgi	0	0	0	0	0	RDY	0	url1	0	0	0	0	0	RDY	0	url2	0	0	0	0	0	RDY	0	@html	0	0	0	0	0	RDY
hth	svcname	count	avg	cqcnt	aqcnt	qavg	status																																																																
0	@shtml	0	0	0	0	0	RDY																																																																
0	htm	0	0	0	0	0	RDY																																																																
0	jsp	0	0	0	0	0	RDY																																																																
0	@cgi	0	0	0	0	0	RDY																																																																
0	url1	0	0	0	0	0	RDY																																																																
0	url2	0	0	0	0	0	RDY																																																																
0	@html	0	0	0	0	0	RDY																																																																

WebAdmin Monitoring - Service

Item	Description
hth	HTH number.
svrname	Server name set in the SERVER section.
count	Number of requests processed by WebtoB for this service.
avg	Number of requests processed by the server.
cqcnt	Number of currently queued requests.
aqcnt	Number of cumulative queued requests.
qavg	Average queued time.
status	Current status. <ul style="list-style-type: none"> <li>RDY: ready to process requests. There are server processes connected to WebtoB.</li> <li>NRDY: not ready to process requests. There are no server processes connected to WebtoB.</li> <li>BLK: suspended by administrator command. The server cannot process requests.</li> </ul>

## 2.3.9. Reverse Proxy Group

Click **[Reverse Proxy Group]** from the navigation pane to view reverse proxy group statistics. You can also view this information by using the **wsadmin stat -rpg** command.

For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

TmaxWebtoB®  
Web Server

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333

WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Monitoring

Reverse Proxy Group

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	rpgi	rpgname	rproxyname	count	qcnt	avg	cons	remoteaddress
0	0	jeus_cong	jsp_url	1	0	0.086295	1	192.168.2.47:4851

WebAdmin Monitoring - Reverse Proxy Group

Item	Description
hth	HTH number.
rpgi	Reverse proxy group number.
rpgname	Reverse proxy group name.
rproxyname	Reverse proxy name.
count	Number of requests processed.
qcnt	Number of requests queued for the proxy group.
avg	Average processing time. (Unit: second)
cons	Number of WAS connections.
remoteaddress	Client IP and port.

## 2.3.10. Reverse Proxy

The following page is displayed when selecting **[Reverse Proxy]** under **Monitoring**. You can also view this information by using the **wsadmin stat -rp** command. For more information, refer to "stat (st)" in *WebtoB Administrator's Guide*.

Tmax Web Server  
WebtoB®

System Settings

Environment Configuration

Monitoring

admin @ 192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

Monitoring

Monitoring Reverse Proxy

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

rpi	rproxyname	rpgname	status	count	idle	spri	clid	ssl	websocket
0	0	jsp_url	jeus_cong	RDY	2	2	1	-1	0

WebAdmin Monitoring - Reverse Proxy

Item	Description
hth	HTH number.
rproxyname	Reverse proxy name.
rpgname	Reverse proxy group.
status	Connection status. <ul style="list-style-type: none"> <li>◦ RDY: ready to receive reverse proxy requests from the client.</li> <li>◦ NRDY: not ready to receive reverse proxy requests from the client.</li> <li>◦ RUN: currently processing a reverse proxy request.</li> <li>◦ QED: Currently queued as the server that receives requests from the client and processes the requests have been checked, but the server is currently processing requests.</li> </ul>
count	Number of requests processed.
idle	Idle time. (Unit: second)
spri	Connection index number.
clid	Client ID of the current request.
ssl	Whether or not SSL is in use.
websocket	Whether or not web socket is in use.

### 2.3.11. Handler (Client)

Click **[Handler (Client)]** from the navigation pane to view client handler statistics. You can also view this information by using the **wsadmin cliinfo** command. For more information, refer to "cliinfo (ci)" in *WebtoB Administrator's Guide*.

Tmax Web Server  
WebtoB®

System Settings

Environment Configuration

Monitoring

admin @192.168.2.48:3333 WebtoB-WebAdmin5.0.0.1-b8 Logout

Monitoring

Monitoring

Handler (Client)

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	no	status	count	idle	localaddress	remoteaddress	spri	user	ssl
0	0	RDY	1	6	192.168.2.48:7410	192.168.5.83:55052	-1		0
0	1	RDY	1	6	192.168.2.48:64894	192.168.2.47:4851	-1	rproxy-s	0

WebAdmin Monitoring - Handler (Client)

Item	Description
hth	HTH number.
status	Client status. <ul style="list-style-type: none"> <li>RDY: receiving a request from the client.</li> <li>RUN: processing a client request.</li> <li>QED: currently queued because all target servers are currently busy processing requests.</li> </ul>
count	Number of requests sent by the client.
idle	Idle time. (Unit: second)
localaddress	WebtoB server address.
remoteaddress	Address of the connected client.
spri	Server process processing a request (-1 means that a process has not been allocated yet).
user	User name of the request.
ssl	Whether or not the client is connected via SSL.

### 2.3.12. Handler Summary

Click **[Handler Summary]** from the navigation pane to view client handler statistics of client requests by processing state. You can also view this information by using the **wsadmin cliinfo -S** command.

For more information, refer to "cliinfo (ci)" in *WebtoB Administrator's Guide*.



System Settings

Environment Configuration

Monitoring

admin @ 192.168.2.48:3333

WebtoB-WebAdmin5.0.0.1-b8

Logout

Monitoring

Monitoring

Handler Summary

Monitoring

Node

HTH Stats

Thread

Thread Summary

Server

JSV Server

Process

Service

Reverse Proxy Group

Reverse Proxy

Handler (Client)

Handler Summary

hth	rdy	qed	run	etc	total
0	1	0	0	0	1
total	1	0	0	0	1

### WebAdmin Monitoring - Handler Summary

Item	Description
hth	HTH number.
rdy	Number of incoming client requests.
qed	Number of currently queued requests because all target servers are currently busy processing requests.
run	Number of client requests being processed.
etc	Number of client requests in a state other than ready, run, and queued states.
total	Total number of incoming or already received client requests.