

How to Monitor and Recover Statistics

<https://campus.barracuda.com/doc/48202844/>

On the [Statistics Collection](#) page of the Barracuda NextGen Control Center, you can view the status of statistics collection from each managed Barracuda NextGen Firewall F-Series. If the statistics services malfunction, you can also manually get and recover lost statistics entries from this page.

View the Status of Statistics Collection

1. Go to **CONTROL > Statistics Collection**.

1. To get statistics for a specific Barracuda NextGen Firewall F-Series, right-click the system and select **Get Statistic**.
2. To recover a Barracuda NextGen Firewall F-Series, right-click the system and select **Recover**.

Box	Cluster	Range ID	Σ	IP	State	Sync	Task	Last Success	Last Try	Reason
1: Box normal										
AW...	AmazonA...	3	■	10.0.1...	cluster	clean	idle	14.08.2014-01:0...	14.08.2014-01:00:03	
BO1-1	DocBO	2	■	10.0.1...	range	clean	idle	14.08.2014-01:0...	14.08.2014-01:00:03	
BO2...	BranchOffi...	1	■	10.0.1...	range	clean	idle	14.08.2014-01:0...	14.08.2014-01:00:03	
HQ...	DocHQ	1	■	10.0.1...	range	clean	idle	14.08.2014-01:0...	14.08.2014-01:00:03	
3: Box error										
AW...	AmazonA...	3	■	10.0.1...	cluster	clean	idle	20.07.2014-01-0...	14.08.2014-01:00:03	data collection aborted
Azur...	WindowsA...	3	■	10.0.1...	range	clean	idle	29.07.2014-01-0...	14.08.2014-01:00:03	data collection aborted
Azur...	WindowsA...	3	■	10.0.1...	range	clean	idle	29.07.2014-01-0...	14.08.2014-01:00:03	data collection aborted
Hyn...	Hyper-V	4	■	10.0.1...	range	clean	idle	05.05.2014-04-0...	14.08.2014-01:00:03	data collection aborted
KV...			■	10.0.1...	range	clean	idle	31.01.2014-08:2...	14.08.2014-01:00:03	data collection aborted
do...			■	10.0.1...	enabled	clean	stopped	14.08.2014-00-0...	14.08.2014-00:00:00	polling summary: 0 dirty, 4 success, 5 aborted
4: Box disabled										
Az...			■	10.0.1...	disabled	clean	idle	26.06.2014-01-0...	01.07.2014-08:42:52	obsolete !!!
Az...			■	10.0.1...	disabled	clean	idle	26.06.2014-01-0...	01.07.2014-08:42:52	obsolete !!!
Az...			■	10.0.1...	disabled	clean	idle		06.06.2014-01:00:01	obsolete !!!
BO...			■	10.0.1...	disabled	clean	idle	30.01.2014-05-0...	31.01.2014-08:26:04	obsolete !!!
HQ...	DocHQ	1	■	10.0.1...	disabled	clean	idle	31.01.2014-05-0...	31.01.2014-05:00:00	obsolete !!!
HQ...	HQ6	1	■	10.0.1...	disabled	clean	idle	12.06.2014-01-0...	30.06.2014-08:32:56	obsolete !!!
HQ...	HQ6	1	■	192.16...	disabled	clean	idle	16.07.2014-01-0...	29.07.2014-08:46:50	obsolete !!!
HQ...	DocHQ	1	■	10.0.1...	disabled	clean	idle	31.01.2014-05-0...	31.01.2014-05:00:00	obsolete !!!
NSS...	DocHQ	1	■	192.16...	disabled	clean	idle		10.06.2014-09:11:32	obsolete !!!
doc...			■		disabled	unknown	unknown			

Recovery and State Analysis of Poll Sessions

Error analysis of poll sessions is displayed as follows:

Session State	Analysis of Error Scenarios	Necessary Actions	Box State
Idle	Cannot connect to box.	IGNORE	CLEAN
Connected	Cannot receive transfer files ('toSend.timestamp') from box.	IGNORE	CLEAN
State_Received	Cannot perform calculation of statistic file list.	IGNORE	CLEAN
	Received transfer files remain in box-specific state directory and will be ignored in subsequent poll sessions.		
State_Processed	A dist-operation fails. No problem because these operations are transaction protected.	IGNORE	CLEAN
Data_Received	Data files either be successfully merged or are stored within temporary data directory.	RECOVERY	DIRTY
	Box state is dirty because a possible synchronization with the HA partner would result in inconsistent data (files in temporary data path won't be synced).		
Data_Processed	masterAccept-file cannot be created.	RESEND_ACK	DIRTY
	masterAccept-file cannot be sent.		
State_Updated	Cannot remove temporary data directory (because it's not empty).	INTERNAL	DIRTY
	Cannot remove obsoleted state files.		

Example - Barracuda NextGen Control Center Statistic HA Sync

When statistics files cannot be synchronized from the Barracuda NextGen Control Center to its HA partner, the following message is recorded in the *mirrorstat.log* file:

- Error ST-ML-RE0002 mirrorstat(x.x.x.x,ARGS): peer x.x.x.x also in state dirty
- Error ST-ML-OP0010 mirrorstat(x.x.x.x,ARGS)->1: terminating abnormally, manual intervention required

The *mirrorstat* is a script file that is executed on a regular basis in order to process synchronization of statistics files between the Barracuda NextGen Control Center and its HA partner over an SSH connection. When the script triggers SSH connection establishment to the Barracuda NextGen Control Center HA partner, it expects the DSA key fingerprint of the HA partner to be known on the Barracuda NextGen Control Center. If the fingerprint is not yet known because an SSH connection between the two systems has never before been established, it cannot be processed any further. In this case, execute the following steps to configure the statistics files synchronization:

1. Initiate an SSH connection from the Barracuda NextGen Control Center to its HA partner manually, in order to make the DSA key fingerprint known. At the command line on the Barracuda NextGen Control Center, enter:
 - `ssh -lroot <HA partner IP>`
2. Delete the synchronization status files in the `/phion0/dstatm/` directory on both the primary and the secondary Barracuda NextGen Firewall F-Series. At the command line, enter:
 - `rm /phion0/dstatm/syncmsg`
 - `rm /phion0/dstatm/syncstate`
3. Go to the [Server Page](#) of the primary system and restart the `dstatm` service.

Figures

1. get_stat.png

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