SNMP Monitoring

https://campus.barracuda.com/doc/49742274/

Step 1. Configure SNMP Manager

Use the SNMP Manager to query system information. You must set two passwords, one for authentication and one for encryption.

Use the following steps to set up SNMP Manager:

1. Log in to the Barracuda Message Archiver web interface, and go to the **BASIC > Administration** page.
2. In the **SNMP Manager** section, set **Enable SNMP Agent** to **Yes**. This setting allows the Barracuda Message Archiver to accept and respond to SNMP queries.
3. Enter the SNMP username for the appliance's agent in the **User** field, and the associated SNMP authentication password in the **Authentication Password** field.
4. Select the **Authentication Method** as **SHA** or **MD5**; note that SHA is a more secure authentication mode.
5. Enter an SNMP privacy password in the **Privacy Password** field; if you wish, this can be the same as the **Authentication Password**.
6. Select the **Encryption Method** as **AES** or **DES**; note that AES is a more secure encryption method.
7. Click **Save** at the top of the page to save your settings.

Step 2. Set SNMP Notifications

You can set up SNMP notifications to one or more servers. You must set both an authentication and an encryption password for each configured server.

Use the following steps to set up SNMP notifications:

1. Log in to the Barracuda Message Archiver web interface, and go to the **BASIC > Administration** page.
2. In the **SNMP Notifications** section, set **Enable SNMP Notifications** to **Yes**.
3. In the **Server** field, enter the server IP address or hostname, and enter the **Port** number.
4. Enter the SNMP username for the appliance's agent in the **User** field, and the associated SNMP authentication password in the **Authentication Password** field.
5. Select the **Authentication** and **Encryption** methods.
6. Enter the SNMP privacy password in the **Privacy Password** field.
7. Click **Add**.

8. Repeat steps 3 through 7 to add additional servers.
9. Click **Save** at the top of the page to save your settings.

Step 3. Import MIB and REF Files

Once you set up the SNMP Manager, import the MIB and REF files to your SNMP monitor. You can monitor objects included in these files either from custom scripts or from your SNMP monitor. The MIB files are located on the Barracuda Message Archiver and can be obtained by replacing *MGMTIP* in the following links with the management IP address of your Barracuda Message Archiver:

- http://*MGMTIP*:8000/Barracuda-BMA-MIB.txt
- http://*MGMTIP*:8000/Barracuda-REF-MIB.txt
- http://*MGMTIP*:8000/BARRACUDA-SMI.txt

Objects

When you open the Barracuda Message Archiver MIBs, you can see the objects provided by the system, as listed in Table 1.

Table 1. Objects.

Object Name	Description	OID
inboundEmailsHour	The number of inbound e-mails during the current hour.	.1.3.6.1.4.1.20632.6.5.1
inboundEmailsDay	The number of inbound e-mails during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.2
inboundEmailsTotal	The number of inbound e-mails since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.3
internalEmailsHour	The number of internal e-mails during the current hour.	.1.3.6.1.4.1.20632.6.5.4
internalEmailsDay	The number of internal e-mails during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.5
internalEmailsTotal	The number of internal e-mails since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.6
outboundEmailsHour	The number of outbound e-mails during the current hour.	.1.3.6.1.4.1.20632.6.5.7

outboundEmailsDay	The number of outbound e-mails during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.8
outboundEmailsTotal	The number of outbound e-mails since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.9
appointmentsHour	The number of appointments created or modified during the current hour.	.1.3.6.1.4.1.20632.6.5.10
appointmentsDay	The number of appointments created or modified during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.11
appointmentsTotal	The number of appointments created or modified since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.12
contactsHour	The number of contacts created or modified during the current hour.	.1.3.6.1.4.1.20632.6.5.13
contactsDay	The number of contacts created or modified during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.14
contactsTotal	The number of contacts created or modified since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.15
distributionListHour	The number of distribution lists created or modified during the current hour.	.1.3.6.1.4.1.20632.6.5.16
distributionListDay	The number of distribution lists created or modified during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.17
distributionListTotal	The number of distribution lists created or modified since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.18
notesHour	The number of notes created or modified during the current hour.	.1.3.6.1.4.1.20632.6.5.19
notesDay	The number of notes created or modified during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.20
notesTotal	The number of notes created or modified since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.21
tasksHour	The number of tasks created or modified during the current hour.	.1.3.6.1.4.1.20632.6.5.22
tasksDay	The number of tasks created or modified during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.23
tasksTotal	The number of tasks created or modified since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.24
messagesHour	The number of messages logged during the current hour.	.1.3.6.1.4.1.20632.6.5.25
messagesDay	The number of messages logged during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.5.26

messagesTotal	The number of messages logged since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.5.27
systemLoad	The estimate of CPU and disk load on the system.	.1.3.6.1.4.1.20632.6.6.1
cpu1FanSpeed	CPU 1 fan speed in rotations per minute (RPM).	.1.3.6.1.4.1.20632.6.6.2.1
cpu2FanSpeed	CPU 2 fan speed in rotations per minute (RPM).	.1.3.6.1.4.1.20632.6.6.2.2
systemTemperature1	System temperature 1 in degrees Celsius.	.1.3.6.1.4.1.20632.6.6.3.1
cpu1Temperature	Temperature of CPU 1 in degrees Celsius.	.1.3.6.1.4.1.20632.6.6.4.1
cpu2Temperature	Temperature of CPU 2 in degrees Celsius.	.1.3.6.1.4.1.20632.6.6.4.2
firmwareStorage	The total storage space occupied by the firmware.	.1.3.6.1.4.1.20632.6.6.5
mailLogStorage	The total storage space occupied by mail and logs.	.1.3.6.1.4.1.20632.6.6.6
indexQueueLength	The number of messages remaining in the index queue.	.1.3.6.1.4.1.20632.6.6.8
lastMessageArchived	The date and time that the last message was archived (in GMT).	.1.3.6.1.4.1.20632.6.6.9
messagesDeduplicated	The number of messages that have been dedpulicated.	.1.3.6.1.4.1.20632.6.6.10
storageSaved	The amount of storage saved by dedpulication (in bytes).	.1.3.6.1.4.1.20632.6.6.11
cloudControlStatus	The status of Cloud Control.	.1.3.6.1.4.1.20632.6.6.12
personalInfoHour	The number of messages found to contain personally identifiable information during the current hour.	.1.3.6.1.4.1.20632.6.7.1
personalInfoDay	The number of messages found to contain personally identifiable information during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.7.2
personalInfoTotal	The number of messages found to contain personally identifiable information since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.7.3
foulLanguageHour	The number of messages found to contain foul language during the current hour.	.1.3.6.1.4.1.20632.6.7.4
foulLanguageDay	The number of messages found to contain foul language during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.7.5
foulLanguageTotal	The number of messages found to contain foul language since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.7.6
personalEmailHour	The number of messages sent to and from non-business sites during the current hour.	.1.3.6.1.4.1.20632.6.7.7

personalEmailDay	The number of messages sent to and from non-business sites during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.7.8
personalEmailTotal	The number of messages sent to and from non-business sites since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.7.9
policyHour	The number of messages that have triggered a policy during the current hour.	.1.3.6.1.4.1.20632.6.7.10
policyDay	The number of messages that have triggered a policy during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.7.11
policyTotal	The number of messages that have triggered a policy since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.7.12
effectiveHour	The real combined size of all messages stored on the archiver during thecurrent hour.	.1.3.6.1.4.1.20632.6.8.1
effectiveDay	The real combined size of all messages stored on the archiver during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.8.2
effectiveTotal	The real combined size of all messages stored on the archiver since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.8.3
onDiskSizeHour	The actual amount of storage used on the archiver during the current hour.	.1.3.6.1.4.1.20632.6.8.4
onDiskSizeDay	The actual amount of storage used on the archiver during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.8.5
onDiskSizeTotal	The actual amount of storage used on the archiver since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.8.6
reductionHour	The percentage of storage space saved by the compression mechanisms of the archiver during the current hour.	.1.3.6.1.4.1.20632.6.8.7
reductionDay	The percentage of storage space saved by the compression mechanisms of the archiver during the current calendar day (beginning at midnight).	.1.3.6.1.4.1.20632.6.8.8
reductionTotal	The percentage of storage space saved by the compression mechanisms of the archiver since installation or since the last reset of statistics.	.1.3.6.1.4.1.20632.6.8.9