

PHION-MIB Field Descriptions

<https://campus.barracuda.com/doc/43847187/>

See below for a description of all available information in the MIB file of the Barracuda NG Firewall. The Barracuda NG Firewall uses the SNMP fields in the /usr/share/snmp/mibs/PHION-MIB.txt file:

```
PHION-MIB DEFINITIONS ::= BEGIN<br/>    IMPORTS<br/>        MODULE-
COMPLIANCE, OBJECT-GROUP, NOTIFICATION-GROUP FROM SNMPv2-CONF<br/>
    OBJECT-TYPE, MODULE-IDENTITY, NOTIFICATION-TYPE, Integer32, enterprises,
Counter64 FROM SNMPv2-SMI<br/>        TEXTUAL-CONVENTION, DisplayString,
DateAndTime FROM SNMPv2-TC;<br/><br/>    phion MODULE-IDENTITY<br/>
    LAST-UPDATED "201401080000Z"<br/>        ORGANIZATION<br/>
"Barracuda Networks"<br/>        CONTACT-INFO<br/>            "<a
href="http://www.barracuda.com" target="_blank" class="external"
id="2faafad7">http://www.barracuda.com</a>"<br/>        DESCRIPTION<br/>
    "."<br/><br/>        -- Revision log<br/>        REVISION
"201401080000Z"<br/>        DESCRIPTION<br/>            "insert OBJECT-
GROUPS"<br/><br/>        REVISION    "201401070000Z"<br/>
DESCRIPTION<br/>            "Removed syntax errors"<br/><br/>
    REVISION    "201312030000Z"<br/>        DESCRIPTION<br/>            "Removed
errors and warnings"<br/>        ::= { enterprises 10704 }<br/>        <br/>-
- Event<br/>    event OBJECT IDENTIFIER ::= { phion 10 }<br/><br/>- -
Firewall<br/>    firewall OBJECT IDENTIFIER ::= { phion 1 }<br/><br/>
fwCompliances OBJECT IDENTIFIER ::= { phion 20 }<br/>    fwGroups OBJECT
IDENTIFIER ::= { phion 21 }<br/><br/>    fwCompliance MODULE-
COMPLIANCE<br/>        STATUS current<br/>        DESCRIPTION<br/>
    "Firewall Info Groups"<br/>        MODULE<br/>        GROUP
boxGroup<br/>        DESCRIPTION " "<br/>        GROUP
serverGroup<br/>        DESCRIPTION " "<br/>        GROUP
releaseGroup<br/>        DESCRIPTION " "<br/>        GROUP
hotfixGroup<br/>        DESCRIPTION " "<br/>        GROUP
hwGroup<br/>        DESCRIPTION " "<br/>        GROUP
raidGroup<br/>        DESCRIPTION " "<br/>        GROUP
vpnGroup<br/>        DESCRIPTION " "<br/>        GROUP
bgpGroup<br/>        DESCRIPTION " "<br/>        GROUP
ospfGroup<br/>        DESCRIPTION " "<br/>        GROUP
ripGroup<br/>        DESCRIPTION " "<br/>        GROUP
fwstatsGroup<br/>        DESCRIPTION " "<br/>        GROUP
vpnusersGroup<br/>        DESCRIPTION " "<br/>        GROUP
trafficshapeGroup<br/>        DESCRIPTION " "<br/>        GROUP
diskspaceGroup<br/>        DESCRIPTION " "<br/>        GROUP
eventGroup<br/>        DESCRIPTION " "<br/>        GROUP
notificationGroup<br/>        DESCRIPTION " "<br/>        ::= {
fwCompliances 1 }<br/><br/>    serviceGroups OBJECT IDENTIFIER ::= { fwGroups
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1 }<br/>    firmwareGroups OBJECT IDENTIFIER ::= { fwGroups 2 }<br/>
  hwGroups OBJECT IDENTIFIER ::= { fwGroups 3 }<br/>    netGroups OBJECT
IDENTIFIER ::= { fwGroups 4 }<br/>    eventGroups OBJECT IDENTIFIER ::= {
fwGroups 5 }<br/><br/>-- Textual Conventions<br/>    ServiceState ::=
TEXTUAL-CONVENTION<br/>        STATUS current<br/>        DESCRIPTION<br/>
    "The state a box service be in."<br/>        SYNTAX INTEGER {<br/>
    unknown(-1),<br/>        stopped(0),<br/>
    started(1),<br/>        blocked(2),<br/>        removed(4)<br/>
    }<br/><br/>    SensorType ::= TEXTUAL-CONVENTION<br/>        STATUS
current<br/>        DESCRIPTION<br/>        "The types of
sensors."<br/>        SYNTAX INTEGER {<br/>        unknown(-1),<br/>
    voltage(0),<br/>        fan(1),<br/>
    temperature(2),<br/>        psu-status(3)<br/>        }<br/><br/>
RaidEventSeverity ::= TEXTUAL-CONVENTION<br/>        STATUS current<br/>
    DESCRIPTION<br/>        "The values of raid event severity."<br/>
    SYNTAX INTEGER {<br/>        unknown(0),<br/>
    error(1),<br/>        warning(2),<br/>        information(3),<br/>
    debug(4)<br/>        }<br/><br/>    VpnStates ::= TEXTUAL-
CONVENTION<br/>        STATUS current<br/>        DESCRIPTION<br/>
    "The states of the VPN tunnel"<br/>        SYNTAX INTEGER {<br/>
    down(-1),<br/>        down-disabled(0),<br/>        active(1)<br/>
    }<br/><br/>-- boxServices<br/>    boxServices OBJECT-TYPE<br/>
SYNTAX        SEQUENCE OF BoxServicesEntry<br/>        MAX-ACCESS    not-
accessible<br/>        STATUS        current<br/>        DESCRIPTION<br/>
    " "<br/>        ::= { firewall 0 }<br/><br/>    boxServicesEntry
OBJECT-TYPE<br/>        SYNTAX        BoxServicesEntry<br/>        MAX-
ACCESS    not-accessible<br/>        STATUS        current<br/>
    DESCRIPTION<br/>        " "<br/>        INDEX { boxServiceName }<br/>
    ::= { boxServices 1 }<br/><br/>    BoxServicesEntry ::= SEQUENCE
{<br/>        boxServiceName DisplayString,<br/>        boxServiceState
ServiceState<br/>    }<br/><br/>    boxServiceName OBJECT-TYPE<br/>
SYNTAX DisplayString (SIZE (0..63))<br/>        MAX-ACCESS    read-only<br/>
    STATUS current<br/>        DESCRIPTION<br/>        " "<br/>
    ::= { boxServicesEntry 1 }<br/><br/>    boxServiceState OBJECT-TYPE<br/>
SYNTAX ServiceState<br/>        MAX-ACCESS    read-only<br/>        STATUS
current<br/>        DESCRIPTION<br/>        " "<br/>        ::= {
boxServicesEntry 2 }<br/><br/>    boxGroup OBJECT-GROUP<br/>        OBJECTS
{<br/>        boxServiceName,<br/>        boxServiceState<br/>
    }<br/>        STATUS current<br/>        DESCRIPTION " "<br/>        ::= {
serviceGroups 1 }<br/><br/>-- serverServices<br/>    serverServices OBJECT-
TYPE<br/>        SYNTAX        SEQUENCE OF ServerServicesEntry<br/>
MAX-ACCESS    not-accessible<br/>        STATUS        current<br/>
    DESCRIPTION<br/>        " "<br/>        ::= { firewall 1 }<br/><br/>
serverServicesEntry OBJECT-TYPE<br/>        SYNTAX
ServerServicesEntry<br/>        MAX-ACCESS    not-accessible<br/>
    STATUS        current<br/>        DESCRIPTION<br/>        " "<br/>

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INDEX { serverServiceName }<br/> ::= { serverServices 1 }<br/><br/>
ServerServicesEntry ::= SEQUENCE {<br/> serverServiceName
DisplayString,<br/> serverServiceState ServiceState<br/>
}<br/><br/> serverServiceName OBJECT-TYPE<br/> SYNTAX
DisplayString (SIZE (0..63))<br/> MAX-ACCESS read-only<br/>
STATUS current<br/> DESCRIPTION<br/> " "<br/> ::= {
serverServicesEntry 1 }<br/><br/> serverServiceState OBJECT-TYPE<br/>
SYNTAX ServiceState<br/> MAX-ACCESS read-only<br/> STATUS
current<br/> DESCRIPTION<br/> " "<br/> ::= {
serverServicesEntry 2 }<br/><br/> serverGroup OBJECT-GROUP<br/>
OBJECTS {<br/> serverServiceName,<br/>
serverServiceState<br/> }<br/> STATUS current<br/>
DESCRIPTION " "<br/> ::= { serviceGroups 2 }<br/><br/>--
phionRelease<br/> phionRelease OBJECT-TYPE<br/> SYNTAX
DisplayString<br/> MAX-ACCESS read-only<br/> STATUS
current<br/> DESCRIPTION<br/> " "<br/> ::= {
firewall 2 }<br/><br/> releaseGroup OBJECT-GROUP<br/> OBJECTS
{<br/> phionRelease<br/> }<br/> STATUS
current<br/> DESCRIPTION " "<br/> ::= { firmwareGroups 1
}<br/><br/>-- phionHotfixes<br/> phionHotfixes OBJECT-TYPE<br/>
SYNTAX SEQUENCE OF PhionHotfixesEntry<br/> MAX-ACCESS not-
accessible<br/> STATUS current<br/> DESCRIPTION<br/>
" "<br/> ::= { firewall 3 }<br/><br/> phionHotfixesEntry
OBJECT-TYPE<br/> SYNTAX PhionHotfixesEntry<br/> MAX-
ACCESS not-accessible<br/> STATUS current<br/>
DESCRIPTION<br/> " "<br/> INDEX { hotfixName }<br/>
::= { phionHotfixes 1 }<br/><br/> PhionHotfixesEntry ::= SEQUENCE
{<br/> hotfixName DisplayString,<br/> hotfixInstallTime
DateAndTime<br/> }<br/><br/> hotfixName OBJECT-TYPE<br/> SYNTAX
DisplayString (SIZE (0..63))<br/> MAX-ACCESS read-only<br/>
STATUS current<br/> DESCRIPTION<br/> " "<br/> ::= {
phionHotfixesEntry 1 }<br/><br/> hotfixInstallTime OBJECT-TYPE<br/>
SYNTAX DateAndTime<br/> MAX-ACCESS read-only<br/> STATUS
current<br/> DESCRIPTION<br/> " "<br/> ::= {
phionHotfixesEntry 2 }<br/><br/> hotfixGroup OBJECT-GROUP<br/>
OBJECTS {<br/> hotfixName,<br/>
hotfixInstallTime<br/> }<br/> STATUS current<br/>
DESCRIPTION " "<br/> ::= { firmwareGroups 2 }<br/><br/>--
hwSensors<br/> hwSensors OBJECT-TYPE<br/> SYNTAX SEQUENCE OF
HwSensorsEntry<br/> MAX-ACCESS not-accessible<br/> STATUS
current<br/> DESCRIPTION<br/> " "<br/> ::= {
firewall 4 }<br/><br/> hwSensorsEntry OBJECT-TYPE<br/> SYNTAX
HwSensorsEntry<br/> MAX-ACCESS not-accessible<br/> STATUS
current<br/> DESCRIPTION<br/> " "<br/> INDEX {
hwSensorName }<br/> ::= { hwSensors 1 }<br/><br/> HwSensorsEntry
::= SEQUENCE {<br/> hwSensorName DisplayString,<br/>

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hwSensorType SensorType,<br/>          hwSensorValue Integer32<br/>
}<br/><br/>  hwSensorName OBJECT-TYPE<br/>          SYNTAX DisplayString
(SIZE (0..63))<br/>          MAX-ACCESS read-only<br/>          STATUS
current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
hwSensorsEntry 1 }<br/><br/>  hwSensorType OBJECT-TYPE<br/>          SYNTAX
SensorType<br/>          MAX-ACCESS read-only<br/>          STATUS current<br/>
  DESCRIPTION<br/>          " "<br/>          ::= { hwSensorsEntry 2
}<br/><br/>  hwSensorValue OBJECT-TYPE<br/>          SYNTAX Integer32<br/>
  MAX-ACCESS read-only<br/>          STATUS current<br/>
  DESCRIPTION<br/>          " "<br/>          ::= { hwSensorsEntry 3
}<br/><br/>  hwGroup OBJECT-GROUP<br/>          OBJECTS {<br/>
  hwSensorName,<br/>          hwSensorType,<br/>
  hwSensorValue<br/>          }<br/>          STATUS current<br/>
  DESCRIPTION " "<br/>          ::= { hwGroups 1 }<br/><br/>-- raidEvents<br/>
raidEvents OBJECT-TYPE<br/>          SYNTAX          SEQUENCE OF
RaidEventsEntry<br/>          MAX-ACCESS not-accessible<br/>          STATUS
  current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
firewall 5 }<br/><br/>  raidEventsEntry OBJECT-TYPE<br/>          SYNTAX
  RaidEventsEntry<br/>          MAX-ACCESS not-accessible<br/>
  STATUS current<br/>          DESCRIPTION<br/>          " "<br/>
  INDEX { raidEventIndex }<br/>          ::= { raidEvents 1 }<br/><br/>
  RaidEventsEntry ::= SEQUENCE {<br/>          raidEventIndex Integer32,<br/>
  raidEventSev RaidEventSeverity,<br/>          raidEventTime
DateAndTime,<br/>          raidEventText DisplayString<br/>          }<br/><br/>
  raidEventIndex OBJECT-TYPE<br/>          SYNTAX Integer32
(0..2147483647)<br/>          MAX-ACCESS read-only<br/>          STATUS
  current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
raidEventsEntry 1 }<br/><br/>  raidEventSev OBJECT-TYPE<br/>          SYNTAX
RaidEventSeverity<br/>          MAX-ACCESS read-only<br/>          STATUS
  current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
raidEventsEntry 2 }<br/><br/>  raidEventTime OBJECT-TYPE<br/>          SYNTAX
DateAndTime<br/>          MAX-ACCESS read-only<br/>          STATUS
  current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
raidEventsEntry 3 }<br/><br/>  raidEventText OBJECT-TYPE<br/>          SYNTAX
DisplayString<br/>          MAX-ACCESS read-only<br/>          STATUS
  current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
raidEventsEntry 4 }<br/><br/>  raidGroup OBJECT-GROUP<br/>          OBJECTS
{<br/>          raidEventIndex,<br/>          raidEventSev,<br/>
  raidEventTime,<br/>          raidEventText<br/>          }<br/>
  STATUS current<br/>          DESCRIPTION " "<br/>          ::= { hwGroups 2
}<br/><br/>-- vpnTunnels<br/>  vpnTunnels OBJECT-TYPE<br/>          SYNTAX
  SEQUENCE OF VpnTunnelsEntry<br/>          MAX-ACCESS not-
accessible<br/>          STATUS current<br/>          DESCRIPTION<br/>
  " "<br/>          ::= { firewall 6 }<br/><br/>  vpnTunnelsEntry
OBJECT-TYPE<br/>          SYNTAX          VpnTunnelsEntry<br/>          MAX-
ACCESS not-accessible<br/>          STATUS current<br/>

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DESCRIPTION<br/>          " "<br/>          INDEX { vpnName }<br/>
 ::= { vpnTunnels 1 }<br/><br/>      VpnTunnelsEntry ::= SEQUENCE {<br/>
vpnName DisplayString,<br/>      vpnState VpnStates<br/>      }<br/><br/>
vpnName OBJECT-TYPE<br/>      SYNTAX DisplayString (SIZE (0..63))<br/>
      MAX-ACCESS read-only<br/>      STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { vpnTunnelsEntry 1
}<br/><br/>      vpnState OBJECT-TYPE<br/>      SYNTAX VpnStates<br/>
      MAX-ACCESS read-only<br/>      STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { vpnTunnelsEntry 2
}<br/><br/>      vpnGroup OBJECT-GROUP<br/>      OBJECTS {<br/>
      vpnName,<br/>      vpnState<br/>      }<br/>      STATUS
current<br/>      DESCRIPTION " "<br/>      ::= { netGroups 1
}<br/><br/>-- bgpNeighbors<br/>      bgpNeighbors OBJECT-TYPE<br/>
      SYNTAX      SEQUENCE OF BgpNeighborsEntry<br/>      MAX-ACCESS      not-
accessible<br/>      STATUS      current<br/>      DESCRIPTION<br/>
      " "<br/>      ::= { firewall 7 }<br/><br/>      bgpNeighborsEntry
OBJECT-TYPE<br/>      SYNTAX      BgpNeighborsEntry<br/>      MAX-
ACCESS      not-accessible<br/>      STATUS      current<br/>
      DESCRIPTION<br/>          " "<br/>          INDEX { bgpNeighborAddress
}<br/>          ::= { bgpNeighbors 1 }<br/><br/>      BgpNeighborsEntry ::=
SEQUENCE {<br/>      bgpNeighborAddress DisplayString,<br/>
      bgpNeighborState Integer32<br/>      }<br/><br/>      bgpNeighborAddress OBJECT-
TYPE<br/>      SYNTAX DisplayString (SIZE (0..63))<br/>      MAX-ACCESS
read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
      " "<br/>      ::= { bgpNeighborsEntry 1 }<br/><br/>      bgpNeighborState
OBJECT-TYPE<br/>      -- SYNTAX NeighborState<br/>      SYNTAX
Integer32<br/>      MAX-ACCESS read-only<br/>      STATUS current<br/>
      DESCRIPTION<br/>          " "<br/>          ::= { bgpNeighborsEntry 2
}<br/><br/>      bgpGroup OBJECT-GROUP<br/>      OBJECTS {<br/>
      bgpNeighborAddress,<br/>      bgpNeighborState<br/>      }<br/>
      STATUS current<br/>      DESCRIPTION " "<br/>      ::= { netGroups 2
}<br/><br/><br/>-- ospfNeighbors<br/>      ospfNeighbors OBJECT-TYPE<br/>
      SYNTAX      SEQUENCE OF OspfNeighborsEntry<br/>      MAX-ACCESS      not-
accessible<br/>      STATUS      current<br/>      DESCRIPTION<br/>
      " "<br/>      ::= { firewall 8 }<br/><br/>      ospfNeighborsEntry
OBJECT-TYPE<br/>      SYNTAX      OspfNeighborsEntry<br/>      MAX-
ACCESS      not-accessible<br/>      STATUS      current<br/>
      DESCRIPTION<br/>          " "<br/>          INDEX { ospfNeighborId }<br/>
      ::= { ospfNeighbors 1 }<br/><br/>      OspfNeighborsEntry ::= SEQUENCE
{<br/>      ospfNeighborId DisplayString,<br/>      ospfNeighborAddress
DisplayString,<br/>      ospfNeighborInterface DisplayString,<br/>
      ospfNeighborStatus DisplayString<br/>      }<br/><br/>      ospfNeighborId
OBJECT-TYPE<br/>      SYNTAX DisplayString (SIZE (0..63))<br/>      MAX-
ACCESS read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
      " "<br/>      ::= { ospfNeighborsEntry 1 }<br/><br/>
      ospfNeighborAddress OBJECT-TYPE<br/>      SYNTAX DisplayString (SIZE

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(0..63))<br/>          MAX-ACCESS read-only<br/>          STATUS current<br/>
  DESCRIPTION<br/>          " "<br/>          ::= { ospfNeighborsEntry 2
}<br/><br/>  ospfNeighborInterface OBJECT-TYPE<br/>          SYNTAX
DisplayString (SIZE (0..63))<br/>          MAX-ACCESS read-only<br/>
STATUS current<br/>          DESCRIPTION<br/>          " "<br/>          ::= {
ospfNeighborsEntry 3 }<br/><br/>  ospfNeighborStatus OBJECT-TYPE<br/>
SYNTAX DisplayString (SIZE (0..63))<br/>          MAX-ACCESS read-only<br/>
STATUS current<br/>          DESCRIPTION<br/>          " "<br/>
::= { ospfNeighborsEntry 4 }<br/><br/>  ospfGroup OBJECT-GROUP<br/>
OBJECTS {<br/>          ospfNeighborId,<br/>
ospfNeighborAddress,<br/>          ospfNeighborInterface,<br/>
ospfNeighborStatus<br/>          }<br/>          STATUS current<br/>
DESCRIPTION " "<br/>          ::= { netGroups 3 }<br/><br/>--
ripNeighbors<br/>  ripNeighbors OBJECT-TYPE<br/>          SYNTAX
SEQUENCE OF RipNeighborsEntry<br/>          MAX-ACCESS not-
accessible<br/>          STATUS current<br/>          DESCRIPTION<br/>
" "<br/>          ::= { firewall 9 }<br/><br/>  ripNeighborsEntry
OBJECT-TYPE<br/>          SYNTAX RipNeighborsEntry<br/>          MAX-
ACCESS not-accessible<br/>          STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          INDEX { ripNeighborAddress
}<br/>          ::= { ripNeighbors 1 }<br/><br/>  RipNeighborsEntry ::=
SEQUENCE {<br/>          ripNeighborAddress DisplayString,<br/>
ripNeighborState DisplayString<br/>          }<br/><br/>  ripNeighborAddress
OBJECT-TYPE<br/>          SYNTAX DisplayString (SIZE (0..63))<br/>          MAX-
ACCESS read-only<br/>          STATUS current<br/>          DESCRIPTION<br/>
" "<br/>          ::= { ripNeighborsEntry 1 }<br/><br/>  ripNeighborState OBJECT-TYPE<br/>
SYNTAX DisplayString (SIZE
(0..63))<br/>          MAX-ACCESS read-only<br/>          STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { ripNeighborsEntry 2
}<br/><br/>  ripGroup OBJECT-GROUP<br/>          OBJECTS {<br/>
ripNeighborAddress,<br/>          ripNeighborState<br/>          }<br/>
STATUS current<br/>          DESCRIPTION " "<br/>          ::= { netGroups 4
}<br/><br/>-- fwStats<br/>  fwStats OBJECT-TYPE<br/>          SYNTAX
SEQUENCE OF FwStatsEntry<br/>          MAX-ACCESS not-accessible<br/>
STATUS current<br/>          DESCRIPTION<br/>          " "<br/>
::= { firewall 10 }<br/><br/>  fwStatsEntry OBJECT-TYPE<br/>
SYNTAX FwStatsEntry<br/>          MAX-ACCESS not-accessible<br/>
STATUS current<br/>          DESCRIPTION<br/>          " "<br/>
INDEX { firewallSessions }<br/>          ::= { fwStats 1 }<br/><br/>  FwStatsEntry ::= SEQUENCE {<br/>
firewallSessions Integer32,<br/>
packetThroughput Integer32,<br/>          dataThroughput Integer32<br/>
}<br/><br/>  firewallSessions OBJECT-TYPE<br/>          SYNTAX
Integer32<br/>          MAX-ACCESS read-only<br/>          STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { fwStatsEntry 1
}<br/><br/>  packetThroughput OBJECT-TYPE<br/>          SYNTAX
Integer32<br/>          MAX-ACCESS read-only<br/>          STATUS current<br/>

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DESCRIPTION<br/>          " "<br/>          ::= { fwStatsEntry 2
}<br/><br/>  dataThroughput OBJECT-TYPE<br/>          SYNTAX Integer32<br/>
  MAX-ACCESS read-only<br/>          STATUS current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { fwStatsEntry 3
}<br/><br/>  fwstatsGroup OBJECT-GROUP<br/>          OBJECTS {<br/>
  firewallSessions,<br/>          packetThroughput,<br/>
  dataThroughput<br/>          }<br/>          STATUS current<br/>
DESCRIPTION " "<br/>          ::= { hwGroups 3 }<br/><br/>-- vpnUsers<br/>
  vpnUsers OBJECT-TYPE<br/>          SYNTAX          Integer32<br/>          MAX-
ACCESS read-only<br/>          STATUS          current<br/>
DESCRIPTION<br/>          " "<br/>          ::= { firewall 11 }<br/><br/>
  vpnusersGroup OBJECT-GROUP<br/>          OBJECTS {<br/>
  vpnUsers<br/>          }<br/>          STATUS current<br/>          DESCRIPTION "
"<br/>          ::= { netGroups 5 }<br/>          <br/>-- trafficShape<br/>
  trafficShape OBJECT-TYPE<br/>          SYNTAX          SEQUENCE OF
TrafficShapeEntry<br/>          MAX-ACCESS not-accessible<br/>
  STATUS          current<br/>          DESCRIPTION<br/>          " "<br/>
  ::= { firewall 12 }<br/><br/>  trafficShapeEntry OBJECT-TYPE<br/>
  SYNTAX          TrafficShapeEntry<br/>          MAX-ACCESS not-
accessible<br/>          STATUS          current<br/>          DESCRIPTION<br/>
  " "<br/>          INDEX { connectorName }<br/>          ::= {
trafficShape 1 }<br/><br/>  TrafficShapeEntry ::= SEQUENCE {<br/>
  connectorName DisplayString,<br/>          rate Counter64,<br/>
  sessions Counter64,<br/>          class1Total Counter64,<br/>
  class1Pakets Counter64,<br/>          class1Drop Counter64,<br/>
  class2Total Counter64,<br/>          class2Pakets Counter64,<br/>
  class2Drop Counter64,<br/>          class3Total Counter64,<br/>
  class3Pakets Counter64,<br/>          class3Drop Counter64,<br/>
  noDelayTotal Counter64,<br/>          noDelayPakets Counter64,<br/>
  noDelayDrop Counter64<br/>          }<br/><br/>  connectorName OBJECT-
TYPE<br/>          SYNTAX DisplayString (SIZE (0..63))<br/>          MAX-ACCESS
read-only<br/>          STATUS current<br/>          DESCRIPTION<br/>
  "Name of shaping connector. With :IN for inbound and :OUT for
outbound"<br/>          ::= { trafficShapeEntry 1 }<br/><br/>  rate OBJECT-
TYPE<br/>          SYNTAX Counter64<br/>          MAX-ACCESS read-only<br/>
  STATUS current<br/>          DESCRIPTION<br/>          "Rate in
kbit/sec"<br/>          ::= { trafficShapeEntry 2 }<br/><br/>  sessions
OBJECT-TYPE<br/>          SYNTAX Counter64<br/>          MAX-ACCESS read-
only<br/>          STATUS current<br/>          DESCRIPTION<br/>
  "Number of sessions"<br/>          ::= { trafficShapeEntry 3 }<br/>
<br/>  class1Total OBJECT-TYPE<br/>          SYNTAX Counter64<br/>
  MAX-ACCESS read-only<br/>          STATUS current<br/>
  DESCRIPTION<br/>          "Total bytes for class1"<br/>          ::= {
trafficShapeEntry 4 }<br/><br/>  class1Pakets OBJECT-TYPE<br/>
  SYNTAX Counter64<br/>          MAX-ACCESS read-only<br/>          STATUS
current<br/>          DESCRIPTION<br/>          "Total packets for

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class1"<br/>      ::= { trafficShapeEntry 5 }<br/>      <br/>
  class1Drop OBJECT-TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS
read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
  "Dropped packets for class1"<br/>      ::= { trafficShapeEntry 6
}<br/><br/>  class2Total OBJECT-TYPE<br/>      SYNTAX Counter64<br/>
  MAX-ACCESS read-only<br/>      STATUS current<br/>
  DESCRIPTION<br/>      "Total bytes for class2"<br/>      ::= {
trafficShapeEntry 7 }<br/><br/>  class2Pakets OBJECT-TYPE<br/>
  SYNTAX Counter64<br/>      MAX-ACCESS read-only<br/>      STATUS
current<br/>      DESCRIPTION<br/>      "Total packets for
class2"<br/>      ::= { trafficShapeEntry 8 }<br/>      <br/>
  class2Drop OBJECT-TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS
read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
  "Dropped packets for class2"<br/>      ::= { trafficShapeEntry 9 }<br/>
<br/>  class3Total OBJECT-TYPE<br/>      SYNTAX Counter64<br/>
  MAX-ACCESS read-only<br/>      STATUS current<br/>
  DESCRIPTION<br/>      "Total bytes for class3"<br/>      ::= {
trafficShapeEntry 10 }<br/><br/>  class3Pakets OBJECT-TYPE<br/>
  SYNTAX Counter64<br/>      MAX-ACCESS read-only<br/>      STATUS
current<br/>      DESCRIPTION<br/>      "Total packets for
class3"<br/>      ::= { trafficShapeEntry 11 }<br/>      <br/>
  class3Drop OBJECT-TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS
read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
  "Dropped packets for class3"<br/>      ::= { trafficShapeEntry 12 }<br/>
<br/>  noDelayTotal OBJECT-TYPE<br/>      SYNTAX Counter64<br/>
  MAX-ACCESS read-only<br/>      STATUS current<br/>
  DESCRIPTION<br/>      "Total bytes for no delay"<br/>      ::= {
trafficShapeEntry 13 }<br/><br/>  noDelayPakets OBJECT-TYPE<br/>
  SYNTAX Counter64<br/>      MAX-ACCESS read-only<br/>      STATUS
current<br/>      DESCRIPTION<br/>      "Total packets for no
delay"<br/>      ::= { trafficShapeEntry 14 }<br/>      <br/>
  noDelayDrop OBJECT-TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS
read-only<br/>      STATUS current<br/>      DESCRIPTION<br/>
  "Dropped packets for no delay"<br/>      ::= { trafficShapeEntry 15
}<br/>      <br/>  trafficshapeGroup OBJECT-GROUP<br/>      OBJECTS
{<br/>      connectorName,<br/>      rate,<br/>
  sessions,<br/>      class1Total,<br/>      class1Pakets,<br/>
      class1Drop,<br/>      class2Total,<br/>
  class2Pakets,<br/>      class2Drop,<br/>
  class3Total,<br/>      class3Pakets,<br/>
  class3Drop,<br/>      noDelayTotal,<br/>
  noDelayPakets,<br/>      noDelayDrop<br/>      }<br/>      STATUS
current<br/>      DESCRIPTION " "<br/>      ::= { hwGroups 4 }<br/><br/>-
- diskSpace<br/>  diskSpace OBJECT-TYPE<br/>      SYNTAX      SEQUENCE
OF DiskSpaceEntry<br/>      MAX-ACCESS      not-accessible<br/>
  STATUS      current<br/>      DESCRIPTION<br/>      " "<br/>

```



```

 ::= { firewall 13 }<br/><br/>      diskSpaceEntry OBJECT-TYPE<br/>
 SYNTAX      DiskSpaceEntry<br/>      MAX-ACCESS      not-accessible<br/>
   STATUS      current<br/>      DESCRIPTION<br/>      " "<br/>
   INDEX { partitionName }<br/>      ::= { diskSpace 1 }<br/><br/>
 DiskSpaceEntry ::= SEQUENCE {<br/>      partitionName
 DisplayString,<br/>      partitionMaxSpace Counter64,<br/>
 partitionFreeSpace Counter64,<br/>      partitionUsedSpace
 Counter64,<br/>      partitionUsedSpacePercent Integer32<br/>
 }<br/><br/>      partitionName OBJECT-TYPE<br/>      SYNTAX DisplayString
 (SIZE (0..63))<br/>      MAX-ACCESS read-only<br/>      STATUS
 current<br/>      DESCRIPTION<br/>      "Name of the partition
 entry"<br/>      ::= { diskSpaceEntry 1 }<br/><br/>      partitionMaxSpace
 OBJECT-TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS read-
 only<br/>      STATUS current<br/>      DESCRIPTION<br/>
 "Maximum space of partition entry in KB"<br/>      ::= { diskSpaceEntry 2
 }<br/><br/>      partitionFreeSpace OBJECT-TYPE<br/>      SYNTAX
 Counter64<br/>      MAX-ACCESS read-only<br/>      STATUS current<br/>
 DESCRIPTION<br/>      "Free space of partition entry in KB"<br/>
 ::= { diskSpaceEntry 3 }<br/>      <br/>      partitionUsedSpace OBJECT-
 TYPE<br/>      SYNTAX Counter64<br/>      MAX-ACCESS read-only<br/>
 STATUS current<br/>      DESCRIPTION<br/>      "Used space of
 partition entry in KB"<br/>      ::= { diskSpaceEntry 4 }<br/>
 <br/>      partitionUsedSpacePercent OBJECT-TYPE<br/>      SYNTAX
 Integer32<br/>      MAX-ACCESS read-only<br/>      STATUS current<br/>
 DESCRIPTION<br/>      "Used space of partition entry in %"<br/>
 ::= { diskSpaceEntry 5 }<br/>      <br/>      diskSpaceGroup OBJECT-
 GROUP<br/>      OBJECTS {<br/>      partitionName,<br/>
 partitionMaxSpace,<br/>      partitionFreeSpace,<br/>
 partitionUsedSpace,<br/>      partitionUsedSpacePercent
 <br/>      }<br/>      STATUS current<br/>      DESCRIPTION " "<br/>
 ::= { hwGroups 5 }<br/><br/>-- Vars<br/>      eventID      OBJECT-
 TYPE<br/>      SYNTAX      DisplayString      (SIZE (0..5))<br/>
 MAX-ACCESS      read-only<br/>      STATUS      current<br/>
 DESCRIPTION      "Event ID"<br/>      ::= { event 1 }      --
 10704.10.1<br/>      <br/>      eventIDDescription      OBJECT-
 TYPE<br/>      SYNTAX      DisplayString<br/>      MAX-ACCESS      read-
 only<br/>      STATUS      current<br/>      DESCRIPTION      "Event
 Type-Description"<br/>      ::= { event 2 }      -- 10704.10.2<br/>
 <br/>      eventType      OBJECT-TYPE<br/>      SYNTAX
 DisplayString      (SIZE (0..5))<br/>      MAX-ACCESS      read-only<br/>
 STATUS      current<br/>      DESCRIPTION      "Event Type"<br/>
 ::= { event 3 }      -- 10704.10.3<br/>      <br/>      eventAlarmTime      OBJECT-
 TYPE<br/>      SYNTAX      DisplayString      (SIZE (0..24))<br/>
 MAX-ACCESS      read-only<br/>      STATUS      current<br/>
 DESCRIPTION      "Event Alarm Time"<br/>      ::= { event 4 }      --
 10704.10.4<br/>      <br/>      eventLayerDescription      OBJECT-TYPE<br/>

```

```

SYNTAX      DisplayString<br/>          MAX-ACCESS  read-only<br/>
STATUS      current<br/>                DESCRIPTION  "Event Layer
Description"<br/>          ::= { event 5 }    -- 10704.10.5<br/>    <br/>
eventClassification OBJECT-TYPE<br/>          SYNTAX
DisplayString<br/>          MAX-ACCESS  read-only<br/>          STATUS
current<br/>          DESCRIPTION  "Event Classification"<br/>          ::= {
event 6 }    -- 10704.10.6<br/>    <br/>    eventRepresentation OBJECT-
TYPE<br/>          SYNTAX      DisplayString<br/>          MAX-ACCESS  read-
only<br/>          STATUS      current<br/>          DESCRIPTION  "Event
Representation"<br/>          ::= { event 7 }    -- 10704.10.7<br/>
          <br/>    eventSeverity OBJECT-TYPE<br/>          SYNTAX
DisplayString<br/>          MAX-ACCESS  read-only<br/>          STATUS
current<br/>          DESCRIPTION  "Event Severity"<br/>          ::= { event
8 }    -- 10704.10.8<br/><br/>    eventGroup OBJECT-GROUP<br/>          OBJECTS
{<br/>    eventID,<br/>    eventIDDescription,<br/>
eventType,<br/>    eventAlarmTime,<br/>
eventLayerDescription,<br/>    eventClassification,<br/>
eventRepresentation,<br/>    eventSeverity<br/>    }<br/>
STATUS current<br/>          DESCRIPTION " "<br/>          ::= { eventGroups 1
}<br/><br/>--- TRAPS<br/>    eventTrap NOTIFICATION-TYPE<br/>
OBJECTS    { eventID, eventIDDescription, eventType,
eventAlarmTime,<br/>    eventLayerDescription,
eventClassification, eventRepresentation, eventSeverity }<br/>
STATUS    current<br/>          DESCRIPTION  "Trap"<br/>
REFERENCE  " "<br/>          ::= { phion 11 }<br/><br/>    notificationGroup
NOTIFICATION-GROUP<br/>          NOTIFICATIONS {<br/>
eventTrap<br/>    }<br/>          STATUS current<br/>          DESCRIPTION "
"<br/>          ::= { eventGroups 2 }<br/>END<br/><br/>

```

The Barracuda NG Firewall is reporting in the Enterprise node (1.3.6.1.4.1), the exact node being phion (10704), with subnode firewall (1).

On the command line enter: *snmpwalk -v2c -c 1.3.6.1.4.1.10704.1*

SNMP Fields Descriptions

Box services

Description: Reports all box services on the box.

Node ID: 1.3.6.1.4.1.10704.1.0

PHION-MIB group label: **boxServices**

PHION-MIB fields

Name	Type	Description	Possible values
boxServiceName	DisplayString (64)	service label	log, bdns, bsms, dist, boxfw, bsnmp, cstat, event, phibs, qstat, bsyslog, control, logwrap, psyslog, boxconfig, ...
boxServiceState	Integer32	service status	0 : down 1 : up, 2 : block, 3 : wild, 4 : removed

Disk Space

Description: Reports the size, the current used and free space in Kilobytes, and the used space in percent of the disk partition.

Node ID: 1.3.6.1.4.1.10704.1.13

PHION-MIB group label: **diskSpace**

PHION-MIB fields

Name	Type	Description	Possible values
partitionName	STRING	disk partition name	/, /art, /boot, /phion0
partitionMaxSpace	Counter64	size of partition in Kilobytes	0 - 18446744073709551615
partitionFreeSpace	Counter64	free space on partition in Kilobytes	0 - 18446744073709551615
partitionUsedSpace	Counter64	used space on the partition in Kilobytes	0 - 18446744073709551615
partitionUsedSpacePercent	Integer	used space on the partition in percent	0 - 100

Server services

Description: Reports all server(s) services on the box.

Node ID: 1.3.6.1.4.1.10704.1.1

PHION-MIB group label: **serverServices**

PHiON-MIB fields

Name	Type	Description	Possible values
serverServiceName	DisplayString (64)	service label	S1_VPN, S1_HTTP, S1_NGFW, S2_VPN, ...
serverServiceState	Integer32	service status	0 : down 1 : up, 2 : block, 3 : wild, 4 : removed

Phion release

Description: Reports the current base version of the system.

Node ID: 1.3.6.1.4.1.10704.1.2

PHION-MIB group: **phionRelease**

PHiON-MIB fields

Name	Type	Description	Possible values
phionRelease	DisplayString	current release version	GWAY-7.0.0-092.nightbuild, ...

Phion hotfixes

Description: Reports all hotfixes applied on the box.

Node ID: 1.3.6.1.4.1.10704.1.3

PHION-MIB group: **phionHotfixes**

PHiON-MIB fields

Name	Type	Description	Possible values
hotfixName	DisplayString (64)	hotfixes applied on top of base version	
hotfixInstallTime	DateAndTime	date the hotfix was applied	

Hardware sensors

Only available for Barracuda NG Firewall hardware models.

Description: Reports hardware related values: fan speeds, temperatures, power supply information.

Node ID: 1.3.6.1.4.1.10704.1.4

PHION-MIB group: **hwSensors**

PHiON-MIB fields

Name	Type	Description	Possible values
hwSensorName	DisplayString (64)	sensor label	CPU-Temperature, Mainboard-Temperature, SouthBridge-Temperature, CPU-Fan, Chassis-Fan, PSU name (PSU1,PSU2,...)
hwSensorType	Integer32	sensor type	temp, fan, psu-status
hwSensorValue	Integer32	value	

RAID events

Description: Reports events related to RAID system.

Node ID: 1.3.6.1.4.1.10704.1.5

PHION-MIB group: **raidEvents**

PHiON-MIB fields

Name	Type	Description	Possible values
raidEventIndex	Integer32	event ID	
raidEventSev	RaidEventSeverity	type of event	0 : unknown, 1 : error, 2 : warning, 3 : information, 4: debug
raidEventTime	DateAndTime	date of event	
raidEventText	DisplayString	description	

VPN tunnels

Description: Reports all VPN tunnels established on the box: site-to-site and client-to-site.

Node ID: 1.3.6.1.4.1.10704.1.6

PHION-MIB group: **vpnTunnels**

PHiON-MIB fields

Name	Type	Description	Possible values
vpnName	DisplayString (64)	tunnel name	IPSEC-Wien2Inn-5.5.5.0-8.8.8.0, ...
vpnState	Integer32	tunnel status	-1 : denied, 0 : disabled, 1 : active, 4 : ready

BGP neighbors

Description: Reports neighbor routers identified through BGP.

Node ID: 1.3.6.1.4.1.10704.1.7

PHION-MIB group: **bgpNeighbors**

PHiON-MIB fields

Name	Type	Description	Possible values
bgpNeighborAddress	DisplayString (64)	next hop	
bgpNeighborState	Integer32	status	Established, ...

OSPF neighbors

Description: Reports neighbor routers identified through OSPF.

Node ID: 1.3.6.1.4.1.10704.1.8

PHION-MIB group: **ospfNeighbors**

PHiON-MIB fields

Name	Type	Description	Possible values
ospfNeighborId	DisplayString (64)	IP address of neighbor router	192.168.45.1, ...
ospfNeighborAddress	DisplayString (64)	entry interface ip address	10.0.0.1, ...
ospfNeighborInterface	DisplayString (64)	entry interface label	eth0, ...
ospfNeighborStatus	DisplayString (64)	link status	FULL/DR, FULL/BDR, FULL/DROTHER, ...

RIP neighbors

Description: Reports next hops identified through RIP.

Node ID: 1.3.6.1.4.1.10704.1.9

PHION-MIB group: **ripNeighbors**

PHiON-MIB fields

Name	Type	Description	Possible values
ripNeighborAddress	DisplayString (64)	IP address to next hop	10.0.0.1, ...
ripNeighborState	DisplayString (64)	link status	R : RIP, C : connected, S : Static, O : OSPF, B : BGP

Firewall stats

Description: Reports Firewall traffic general stats.

Node ID: 1.3.6.1.4.1.10704.1.10

PHION-MIB group: **fwstats**

PHiON-MIB fields

Name	Type	Description	Possible values
fwConcurrentSessions	Integer32	number of live firewall sessions	12
fwPacketThroughput	Integer32	number of live packets / second	34

fwDataThroughput	Integer32	data throughput in bits / second	82080
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Concurrent VPN users online

Description: Reports number of concurrent VPN users (total number of client-to-site VPN tunnels)

Node ID: 1.3.6.1.4.1.10704.1.11

PHION-MIB group: **vpnUsers**

PHION-MIB fields

Name	Type	Description	Possible values
vpnUsers	Integer32	number of live client-to-site VPN tunnels	12

Traffic shaping

When using using snmp version 1, only the connectorNames can be queried.

Description: Reports the traffic shaping usage (Rate, total bytes, total packets, and dropped packets per class and in- and out-bound connector)

Node ID: 1.3.6.1.4.1.10704.1.12

PHION-MIB group: **trafficShape**

PHION-MIB fields

Name	Type	Description	Possible values
connectorName	DisplayString (64)	Name of the Connector	<i>eth0:low:IN</i> or <i>eth0:low:OUT</i>
rate	Counter64	Rate in kbit/sec	0 - 18446744073709551615
sessions	Counter64	Nummer of sessions	0 - 18446744073709551615
class1Total	Counter64	Total bytes for class1	0 - 18446744073709551615
class1Pakets	Counter64	Total pakets for class1	0 - 18446744073709551615
class1Drop	Counter64	Dropped pakets for class1	0 - 18446744073709551615

class2Total	Counter64	Total bytes for class2	0 - 18446744073709551615
class2Pakets	Counter64	Total pakets for class2	0 - 18446744073709551615
class2Drop	Counter64	Dropped pakets for class3	0 - 18446744073709551615
class3Total	Counter64	Total bytes for class3	0 - 18446744073709551615
class3Pakets	Counter64	Total pakets fo class3	0 - 18446744073709551615
class3Drop	Counter64	Dropped pakets for class3	0 - 18446744073709551615
noDelayTotal	Counter64	Total bytes for no delay	0 - 18446744073709551615
noDelayPakets	Counter64	Total pakets for no delay	0 - 18446744073709551615
noDelayDrop	Counter64	Dropped pakets for no delay	0 - 18446744073709551615

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