PHION-MIB Field Descriptions

https://campus.barracuda.com/doc/41115564/

In some cases it is useful to know the specific kind of information the Barracuda NG Firewall are reported by the SNMP service. The Barracuda NG Firewall uses the SNMP fields in the /usr/share/snmp/mibs/PHION-MIB.txt file:

```
PHION-MIB DEFINITIONS ::= BEGIN
    IMPORTS
        MODULE-COMPLIANCE, OBJECT-GROUP,
NOTIFICATION-GROUP FROM SNMPv2-CONF
        OBJECT-TYPE, MODULE-IDENTITY,
NOTIFICATION-TYPE, Integer32, enterprises, Counter64 FROM SNMPv2-SMI
        TEXTUAL-CONVENTION, DisplayString,
DateAndTime FROM SNMPv2-TC;

    phion MODULE-IDENTITY
        LAST-UPDATED &quot;201401080000Z&quot;
        ORGANIZATION
            &quot;Barracuda
Networks&quot;
        CONTACT-INFO
            &quot;<a
href="http://www.barracuda.com" target="_blank" class="external"
id="2faafad7">http://www.barracuda.com</a>&quot;
        DESCRIPTION
            &quot;.&quot;

        -- Revision log
        REVISION   
&quot;201401080000Z&quot;
        DESCRIPTION
            &quot;insert OBJECT-
GROUPS&quot;

        REVISION   
&quot;201401070000Z&quot;
        DESCRIPTION
            &quot;Removed syntax
errors&quot;

        REVISION   
&quot;201312030000Z&quot;
        DESCRIPTION
```

```
            &quot;Removed errors
and warnings&quot;
        ::= { enterprises 10704 }
        
-- Event
    event OBJECT IDENTIFIER ::= { phion 10 }

-- Firewall
    firewall OBJECT IDENTIFIER ::= { phion 1 }

    fwCompliances OBJECT IDENTIFIER ::= { phion 20 }
    fwGroups OBJECT IDENTIFIER ::= { phion 21 }

    fwCompliance MODULE-COMPLIANCE
        STATUS current
        DESCRIPTION
            &quot;Firewall Info
Groups&quot;
        MODULE
            GROUP boxGroup
              
 DESCRIPTION &quot; &quot;
            GROUP serverGroup
              
 DESCRIPTION &quot; &quot;
            GROUP releaseGroup
              
 DESCRIPTION &quot; &quot;
            GROUP hotfixGroup
              
 DESCRIPTION &quot; &quot;
            GROUP hwGroup
              
 DESCRIPTION &quot; &quot;
            GROUP raidGroup
              
 DESCRIPTION &quot; &quot;
            GROUP vpnGroup
              
 DESCRIPTION &quot; &quot;
            GROUP bgpGroup
              
 DESCRIPTION &quot; &quot;
            GROUP ospfGroup
              
 DESCRIPTION &quot; &quot;
```

```
            GROUP ripGroup
              
 DESCRIPTION &quot; &quot;
            GROUP fwstatsGroup
              
 DESCRIPTION &quot; &quot;
            GROUP vpnusersGroup
              
 DESCRIPTION &quot; &quot;
            GROUP
trafficshapeGroup
              
 DESCRIPTION &quot; &quot;
            GROUP eventGroup
              
 DESCRIPTION &quot; &quot;
            GROUP
notificationGroup
              
 DESCRIPTION &quot; &quot;
        ::= { fwCompliances 1 }

    serviceGroups OBJECT IDENTIFIER ::= { fwGroups 1 }
    firmwareGroups OBJECT IDENTIFIER ::= { fwGroups 2 }
    hwGroups OBJECT IDENTIFIER ::= { fwGroups 3 }
    netGroups OBJECT IDENTIFIER ::= { fwGroups 4 }
    eventGroups OBJECT IDENTIFIER ::= { fwGroups 5 }

-- Textual Conventions
    ServiceState ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            &quot;The state a
box service be in.&quot;
        SYNTAX INTEGER {
            unknown(-1),
            stopped(0),
            started(1),
            blocked(2),
            removed(4)
        }

    SensorType ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            &quot;The types of
```

```
sensors.&quot;
        SYNTAX INTEGER {
            unknown(-1),
            voltage(0),
            fan(1),
            temperature(2),
            psu-status(3)
        }

    RaidEventSeverity ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            &quot;The values of
raid event severity.&quot;
        SYNTAX INTEGER {
            unknown(0),
            error(1),
            warning(2),
            information(3),
            debug(4)
        }

    VpnStates ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            &quot;The states of
the VPN tunnel&quot;
        SYNTAX INTEGER {
            down(-1),
            down-disabled(0),
            active(1)
        }

-- boxServices
    boxServices OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF BoxServicesEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 0 }

    boxServicesEntry OBJECT-TYPE
```

```
        SYNTAX      
 BoxServicesEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { boxServiceName }
        ::= { boxServices 1 }

    BoxServicesEntry ::= SEQUENCE {
        boxServiceName DisplayString,
        boxServiceState ServiceState
    }

    boxServiceName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { boxServicesEntry 1 }

    boxServiceState OBJECT-TYPE
        SYNTAX ServiceState
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { boxServicesEntry 2 }

    boxGroup OBJECT-GROUP
        OBJECTS {
            boxServiceName,
            boxServiceState
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { serviceGroups 1 }

-- serverServices
    serverServices OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF ServerServicesEntry
        MAX-ACCESS    not-
```

```
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 1 }

    serverServicesEntry OBJECT-TYPE
        SYNTAX      
 ServerServicesEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { serverServiceName }
        ::= { serverServices 1 }

    ServerServicesEntry ::= SEQUENCE {
        serverServiceName  
 DisplayString,
        serverServiceState  
 ServiceState
    }

    serverServiceName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { serverServicesEntry 1 }

    serverServiceState OBJECT-TYPE
        SYNTAX ServiceState
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { serverServicesEntry 2 }

    serverGroup OBJECT-GROUP
        OBJECTS {
            serverServiceName,
            serverServiceState
```

```
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { serviceGroups 2 }

-- phionRelease
    phionRelease OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 2 }

    releaseGroup OBJECT-GROUP
        OBJECTS {
            phionRelease
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { firmwareGroups 1 }

-- phionHotfixes
    phionHotfixes OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF PhionHotfixesEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 3 }

    phionHotfixesEntry OBJECT-TYPE
        SYNTAX      
 PhionHotfixesEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { hotfixName }
```

```
        ::= { phionHotfixes 1 }

    PhionHotfixesEntry ::= SEQUENCE {
        hotfixName DisplayString,
        hotfixInstallTime DateAndTime
    }

    hotfixName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { phionHotfixesEntry 1 }

    hotfixInstallTime OBJECT-TYPE
        SYNTAX DateAndTime
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { phionHotfixesEntry 2 }

    hotfixGroup OBJECT-GROUP
        OBJECTS {
            hotfixName,
            hotfixInstallTime
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { firmwareGroups 2 }

-- hwSensors
    hwSensors OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF HwSensorsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 4 }

    hwSensorsEntry OBJECT-TYPE
        SYNTAX      
```

```
 HwSensorsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { hwSensorName }
        ::= { hwSensors 1 }

    HwSensorsEntry ::= SEQUENCE {
        hwSensorName DisplayString,
        hwSensorType SensorType,
        hwSensorValue Integer32
    }

    hwSensorName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { hwSensorsEntry 1 }

    hwSensorType OBJECT-TYPE
        SYNTAX SensorType
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { hwSensorsEntry 2 }

    hwSensorValue OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { hwSensorsEntry 3 }

    hwGroup OBJECT-GROUP
        OBJECTS {
            hwSensorName,
            hwSensorType,
            hwSensorValue
        }
```

```
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { hwGroups 1 }

-- raidEvents
    raidEvents OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF RaidEventsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 5 }

    raidEventsEntry OBJECT-TYPE
        SYNTAX      
 RaidEventsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { raidEventIndex }
        ::= { raidEvents 1 }

    RaidEventsEntry ::= SEQUENCE {
        raidEventIndex Integer32,
        raidEventSev RaidEventSeverity,
        raidEventTime DateAndTime,
        raidEventText DisplayString
    }

    raidEventIndex OBJECT-TYPE
        SYNTAX Integer32 (0..2147483647)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { raidEventsEntry 1 }

    raidEventSev OBJECT-TYPE
        SYNTAX RaidEventSeverity
        MAX-ACCESS read-only
```

```
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { raidEventsEntry 2 }

    raidEventTime OBJECT-TYPE
        SYNTAX DateAndTime
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { raidEventsEntry 3 }

    raidEventText OBJECT-TYPE
        SYNTAX DisplayString
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { raidEventsEntry 4 }

    raidGroup OBJECT-GROUP
        OBJECTS {
            raidEventIndex,
            raidEventSev,
            raidEventTime,
            raidEventText
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { hwGroups 2 }

-- vpnTunnels
    vpnTunnels OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF VpnTunnelsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 6 }

    vpnTunnelsEntry OBJECT-TYPE
        SYNTAX      
```

```
 VpnTunnelsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { vpnName }
        ::= { vpnTunnels 1 }

    VpnTunnelsEntry ::= SEQUENCE {
        vpnName DisplayString,
        vpnState VpnStates
    }

    vpnName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { vpnTunnelsEntry 1 }

    vpnState OBJECT-TYPE
        SYNTAX VpnStates
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { vpnTunnelsEntry 2 }

    vpnGroup OBJECT-GROUP
        OBJECTS {
            vpnName,
            vpnState
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { netGroups 1 }

-- bgpNeighbors
    bgpNeighbors OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF BgpNeighborsEntry
        MAX-ACCESS    not-
accessible
```

```
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 7 }

    bgpNeighborsEntry OBJECT-TYPE
        SYNTAX      
 BgpNeighborsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { bgpNeighborAddress }
        ::= { bgpNeighbors 1 }

    BgpNeighborsEntry ::= SEQUENCE {
        bgpNeighborAddress DisplayString,
        bgpNeighborState Integer32
    }

    bgpNeighborAddress OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { bgpNeighborsEntry 1 }

    bgpNeighborState OBJECT-TYPE
        -- SYNTAX NeighborState
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { bgpNeighborsEntry 2 }

    bgpGroup OBJECT-GROUP
        OBJECTS {
            bgpNeighborAddress,
            bgpNeighborState
        }
        STATUS current
```

```
        DESCRIPTION &quot; &quot;
        ::= { netGroups 2 }


-- ospfNeighbors
    ospfNeighbors OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF OspfNeighborsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 8 }

    ospfNeighborsEntry OBJECT-TYPE
        SYNTAX      
 OspfNeighborsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { ospfNeighborId }
        ::= { ospfNeighbors 1 }

    OspfNeighborsEntry ::= SEQUENCE {
        ospfNeighborId DisplayString,
        ospfNeighborAddress DisplayString,
        ospfNeighborInterface DisplayString,
        ospfNeighborStatus DisplayString
    }

    ospfNeighborId OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ospfNeighborsEntry 1 }

    ospfNeighborAddress OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
```

```
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ospfNeighborsEntry 2 }

    ospfNeighborInterface OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ospfNeighborsEntry 3 }

    ospfNeighborStatus OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ospfNeighborsEntry 4 }

    ospfGroup OBJECT-GROUP
        OBJECTS {
            ospfNeighborId,
            ospfNeighborAddress,
          
 ospfNeighborInterface,
            ospfNeighborStatus
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { netGroups 3 }

-- ripNeighbors
    ripNeighbors OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF RipNeighborsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 9 }

    ripNeighborsEntry OBJECT-TYPE
```

```
        SYNTAX      
 RipNeighborsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { ripNeighborAddress }
        ::= { ripNeighbors 1 }

    RipNeighborsEntry ::= SEQUENCE {
        ripNeighborAddress DisplayString,
        ripNeighborState DisplayString
    }

    ripNeighborAddress OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ripNeighborsEntry 1 }

    ripNeighborState OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { ripNeighborsEntry 2 }

    ripGroup OBJECT-GROUP
        OBJECTS {
            ripNeighborAddress,
            ripNeighborState
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { netGroups 4 }

-- fwStats
    fwStats OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF FwStatsEntry
        MAX-ACCESS    not-
```

```
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 10 }

    fwStatsEntry OBJECT-TYPE
        SYNTAX      
 FwStatsEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { firewallSessions }
        ::= { fwStats 1 }

    FwStatsEntry ::= SEQUENCE {
        firewallSessions Integer32,
        packetThroughput Integer32,
        dataThroughput Integer32
    }

    firewallSessions OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { fwStatsEntry 1 }

    packetThroughput OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot; &quot;
        ::= { fwStatsEntry 2 }

    dataThroughput OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
```

```
            &quot; &quot;
        ::= { fwStatsEntry 3 }

    fwstatsGroup OBJECT-GROUP
        OBJECTS {
            firewallSessions,
            packetThroughput,
            dataThroughput
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { hwGroups 3 }

-- vpnUsers
    vpnUsers OBJECT-TYPE
        SYNTAX      
 Integer32
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 11 }

    vpnusersGroup OBJECT-GROUP
        OBJECTS {
            vpnUsers
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { netGroups 5 }
        
-- trafficShape
    trafficShape OBJECT-TYPE
        SYNTAX      
 SEQUENCE OF TrafficShapeEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        ::= { firewall 12 }

    trafficShapeEntry OBJECT-TYPE
        SYNTAX      
```

```
 TrafficShapeEntry
        MAX-ACCESS    not-
accessible
        STATUS      
 current
        DESCRIPTION
            &quot; &quot;
        INDEX { connectorName }
        ::= { trafficShape 1 }

    TrafficShapeEntry ::= SEQUENCE {
        connectorName DisplayString,
        rate Counter64,
        sessions Counter64,
        class1Total Counter64,
        class1Pakets Counter64,
        class1Drop Counter64,
        class2Total Counter64,
        class2Pakets Counter64,
        class2Drop Counter64,
        class3Total Counter64,
        class3Pakets Counter64,
        class3Drop Counter64,
        noDelayTotal Counter64,
        noDelayPakets Counter64,
        noDelayDrop Counter64
    }

    connectorName OBJECT-TYPE
        SYNTAX DisplayString (SIZE (0..63))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Name of
shaping connector. With :IN for inbound and :OUT for outbound&quot;
        ::= { trafficShapeEntry 1 }

    rate OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Rate in
kbit/sec&quot;
        ::= { trafficShapeEntry 2 }
```

```
    sessions OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Number of
sessions&quot;
        ::= { trafficShapeEntry 3 }
        
    class1Total OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total bytes
for class1&quot;
        ::= { trafficShapeEntry 4 }

    class1Pakets OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total packets
for class1&quot;
        ::= { trafficShapeEntry 5 }
        
    class1Drop OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Dropped
packets for class1&quot;
        ::= { trafficShapeEntry 6 }

    class2Total OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total bytes
for class2&quot;
        ::= { trafficShapeEntry 7 }

    class2Pakets OBJECT-TYPE
```

```
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total packets
for class2&quot;
        ::= { trafficShapeEntry 8 }
        
    class2Drop OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Dropped
packets for class2&quot;
        ::= { trafficShapeEntry 9 }
    
    class3Total OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total bytes
for class3&quot;
        ::= { trafficShapeEntry 10 }

    class3Pakets OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total packets
for class3&quot;
        ::= { trafficShapeEntry 11 }
        
    class3Drop OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Dropped
packets for class3&quot;
        ::= { trafficShapeEntry 12 }
        
    noDelayTotal OBJECT-TYPE
        SYNTAX Counter64
```

```
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total bytes
for no delay&quot;
        ::= { trafficShapeEntry 13 }

    noDelayPakets OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Total packets
for no delay&quot;
        ::= { trafficShapeEntry 14 }
        
    noDelayDrop OBJECT-TYPE
        SYNTAX Counter64
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            &quot;Dropped
packets for no delay&quot;
        ::= { trafficShapeEntry 15 }
            
    trafficshapeGroup OBJECT-GROUP
        OBJECTS {
            connectorName,
            rate,
            sessions,
            class1Total,
            class1Pakets,
            class1Drop,
            class2Total,
            class2Pakets,
            class2Drop,
            class3Total,
            class3Pakets,
            class3Drop,
            noDelayTotal,
            noDelayPakets,
            noDelayDrop
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { hwGroups 4 }
```

```
-- Vars
    eventID          
 OBJECT-TYPE
        SYNTAX      
 DisplayString     (SIZE (0..5))
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event ID&quot;
        ::= { event 1 }    --
10704.10.1
              
     
    eventIDDescription    OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Type-Description&quot;
        ::= { event 2 }    --
10704.10.2
    
    eventType        OBJECT-TYPE
        SYNTAX      
 DisplayString     (SIZE (0..5))
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Type&quot;
        ::= { event 3 }    --
10704.10.3
    
    eventAlarmTime    OBJECT-TYPE
        SYNTAX      
 DisplayString     (SIZE (0..24))
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Alarm Time&quot;
        ::= { event 4 }    --
10704.10.4
```

```
    
    eventLayerDescription    OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Layer Description&quot;
        ::= { event 5 }    --
10704.10.5
    
    eventClassification    OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Classification&quot;
        ::= { event 6 }    --
10704.10.6
    
    eventRepresentation    OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Representation&quot;
        ::= { event 7 }    --
10704.10.7
              
         
    eventSeverity    OBJECT-TYPE
        SYNTAX      
 DisplayString
        MAX-ACCESS    read-only
        STATUS      
 current
        DESCRIPTION  
 &quot;Event Severity&quot;
        ::= { event 8 }    --
10704.10.8
```

```
    eventGroup OBJECT-GROUP
        OBJECTS {
            eventID,
            eventIDDescription,
            eventType,
            eventAlarmTime,
          
 eventLayerDescription,
            eventClassification,
            eventRepresentation,
            eventSeverity
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { eventGroups 1 }

--- TRAPS
    eventTrap      
 NOTIFICATION-TYPE
        OBJECTS      
 { eventID, eventIDDescription, eventType, eventAlarmTime,
              
         eventLayerDescription,
eventClassification, eventRepresentation, eventSeverity }
        STATUS      
 current
        DESCRIPTION  
 &quot;Trap&quot;
        REFERENCE    &quot;
&quot;
        ::= { phion 11 }

    notificationGroup NOTIFICATION-GROUP
        NOTIFICATIONS {
            eventTrap
        }
        STATUS current
        DESCRIPTION &quot; &quot;
        ::= { eventGroups 2 }
END
```

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<community> <management_ip> 1.3.6.1.4.1.10704.1*

SNMP Fields Descriptions

SNMP Values that are 64bit in length can not be queried via SNMPv1. Use SNMPv2c or SNMPv3 instead.

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

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

Concurrent VPN users online

Description: Reports number of concurent 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	*eth0:low:IN* or *eth0:low:OUT*
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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