



Documentation Bulletin

Severity Level	Caution	Bulletin Number	DN002750
Issue Date	01/17/2014	Expires	Policy Management 9.4
Title	Policy Management 9.4: BoD AM parameters incorrectly documented		
Product	Bandwidth on Demand Application Manager	Release	9.4
Priority	Minor	Related CSR/PR	PR235789
Impacts Compatibility	NO	Impacted Product Line(s):	NA
Markets	ALL	Part No. Affected	910-6367-001 Revision A
Author and Formal Approvers			
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Problem Description

In the Policy Management *Bandwidth on Demand Application Manager User Guide*, part number 910-6367-001, Revision A (August 2013), supporting version 9.4 of the software, several parameters for the HTTP session, session extended classifier, and traffic classifier interfaces are not documented, incorrectly named, or unnecessary.

HTTP Session Interfaces

The description of the createSession.do interface (page 30) is incomplete. The complete description follows, with additions in **boldface**.

createSession.do Interface

The createSession.do interface allows an application to create a session based on QoS parameters. Use the following syntax when using this interface:

```
http://<serverip>/bod/createSession.do?SERVICENAME=servicename
&GROUPNAME=groupname&SUBIP=x.x.x.x&SUBMAC=zz:zz:zz:zz:zz:zz&SUBPORT=n
&DESTIP=y.y.y.y&DESTPORT=m&UPBW=u&UPBWMAX=umax&DOWNBW=d&DOWNBWMAX=dmax
&DUR=t&SUBNAME=user&SSID=s&DISABLERETRYONERROR=<true|false>
&UPRAMASK=uram&UPFAMASK=ufam&UPAARMASK=uaarm &DOWNRAMASK=dram
&DOWNFAMASK=dfam&DOWNAARMASK=daarm&DOWNPTR=dptr&UPPTR=uptr&VOLLIMIT=v
```

Where:

serverip — specifies the IP Address of the BoD AM.

servicename — specifies the PCMM service name, which defines the upstream and downstream traffic profiles. Refer to Creating a Service for additional information.

groupname (optional) — specifies a caller-supplied group name assigned to the session for reporting purposes.

x.x.x.x — specifies the subscriber IPv4 address, which is mutually exclusive with SUBMAC.

zz:zz:zz:zz:zz:zz — specifies the subscriber MAC address. The passed-in MAC address is translated to an IP address when MAC address translation has been enabled; this identifies the user requesting the QoS service. If MAC address translation is not enabled, this parameters should be set to null, and the sublp parameter should be specified. See HTTP Configuration Interfaces for information on the setMACTranslator.do interface.

n (optional) — specifies the subscriber port to classify traffic on.

y.y.y.y — allows the operator to limit the traffic that receives this quality to and from a particular server IPv4 address and is used for the classifier.

m (optional) — specifies the destination port to classify traffic on.

u (optional) — specifies the upstream bandwidth in kbps.

umax (optional) — specifies the upstream maximum reserved bandwidth in kbps.

d (optional) — specifies the downstream bandwidth in kbps.

dmax (optional) — specifies the downstream maximum reserved bandwidth in kbps.

t (optional) — specifies the duration the session should be active. This session is automatically torn down after t minutes.

user (optional) — specifies the username string for this subscriber for recording purposes.

s (optional) — specifies the application-supplied session ID. This is automatically generated if not supplied.

true|false — allows the BoD retry logic to be disabled when a session create is attempted and a recoverable error is encountered (such as a PCMM error code 13, or a PCMM error code 127/subcode 211). If this value is set to true, when the BoD AM encounters one of these errors, the retry is not attempted. If this parameter is set to false or omitted, the BoD AM tries to recover from any recoverable errors.

uram — specifies the Upstream Required Attribute Mask.

ufam — specifies the Upstream Forbidden Attribute Mask.

uaarm — specifies the Upstream Attribute Aggregation Rule Mask.

dram — specifies the Downstream Required Attribute Mask.

dfam — specifies the Downstream Forbidden Attribute Mask.

daarm — specifies the Downstream Attribute AggregationRule Mask.

dptr — specifies the Downstream Peak Traffic Rate.

uptr — specifies the Upstream Peak Traffic Rate.

v — specifies the volume limit for the session.

When this operation is successful, the following is returned as the HTTP response:

```
<BODY>
<STATUS>success</STATUS>
<SSID>ssid</SSID>
</BODY>
```

The SSID is used to identify this session in a subsequent deleteSession request.

When this operation is not successful, the following is returned as the HTTP response:

```
<BODY>
<STATUS>failure</STATUS>
<FAILUREREASON>description of the failure reason</FAILUREREASON>
</BODY>
```

The returned status field returns the success or failure of the requested operation. A failed status may be returned if the resource is not available within the access network or if the MSO has created and deployed a policy to reject the request.

HTTP Session Extended Classifiers

In the descriptions of HTTP session extended classifiers, the parameter **EXTSUBIPMASK** should instead be **EXTSUBMASK**, and the parameter **EXTDESTIPMASK** should instead be **EXTDESTMASK**. These parameters appear, and must be corrected, on the following pages and in the following topics:

<i>Page #</i>	<i>Topic</i>
33	<i>createSession.do Extended Interface</i>
35	<i>modifySession.do Extended Interface</i>
42	<i>addTrafficClassifier.do Extended Interface</i>
43	<i>deleteTrafficClassifier.do Extended Interface</i>

HTTP Traffic Classifier Interfaces

The description of the deleteTrafficClassifier.do interface (page 41) includes the parameters **SUBPORT**, **DESTIP**, and **DESTPORT**. These parameters are unnecessary and not supported.

Impact

If the parameters are specified incorrectly, the functions will fail. This affects, for example, multicast setup.

Needed Actions

Keep this information with the Policy Management 9.4 Customer Documentation.

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