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Amazon Web Services

SOL9937: Error Message: No Such Instance currently exists at this OID

Applies To:

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Informational

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If you make an SNMP request for a non-existent OID, or for an OID that has multiple instances without including an appropriate leaf instance identifier, the system may respond with an error message that appears similar to the following example:

No Such Instance currently exists at this OID

For example, to poll the local system's MIB for disk percentage usage at OID **.1.3.6.1.4.1.2021.9.1.9.0** that corresponds to the **.0** instance of the **UCD-SNMP-MIB::dskPercent** branch (which does not exist on the BIG-IP system), type the following command:

```
snmpget -v 2c -c public localhost .1.3.6.1.4.1.2021.9.1.9.0
```

Because the OID does not exist, the system responds with the following message:

```
UCD-SNMP-MIB::dskPercent.0 = No Such Instance currently exists at this OID
```

Note: Using the [snmpwalk](#) command against the same leaf OID results in the same error message.

To verify the suspected existence of the intended OID, you can enter the **snmpwalk** command to iterate the entire OID branch by polling the OID immediately above the original OID. You may poll the entire disk percentage usage MIB branch by typing the following command:

```
snmpwalk -v 2c -c public localhost .1.3.6.1.4.1.2021.9.1.9
```

The command displays the following output on the BIG-IP system:

```
UCD-SNMP-MIB::dskPercent.1 = INTEGER: 94
UCD-SNMP-MIB::dskPercent.2 = INTEGER: 33
```

The output confirms that the MIB does not reference an OID at **.1.3.6.1.4.1.2021.9.1.9.0** or instance **0**. However, the output references both an instance **1** at **.1.3.6.1.4.1.2021.9.1.9.1** and an instance **2** at **.1.3.6.1.4.1.2021.9.1.9.2**.

Polling for the three instances individually using the **snmpget** command now predictably results in the following responses:

```
# snmpget -v 2c -c public localhost .1.3.6.1.4.1.2021.9.1.9.0
UCD-SNMP-MIB::dskPercent.0 = No Such Instance currently exists at this OID
```

```
# snmpget -v 2c -c public localhost .1.3.6.1.4.1.2021.9.1.9.1
UCD-SNMP-MIB::dskPercent.1 = INTEGER: 94
```

```
# snmpget -v 2c -c public localhost .1.3.6.1.4.1.2021.9.1.9.2
UCD-SNMP-MIB::dskPercent.2 = INTEGER: 33
```

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