

KATCP Camera and PDU Sensor Values

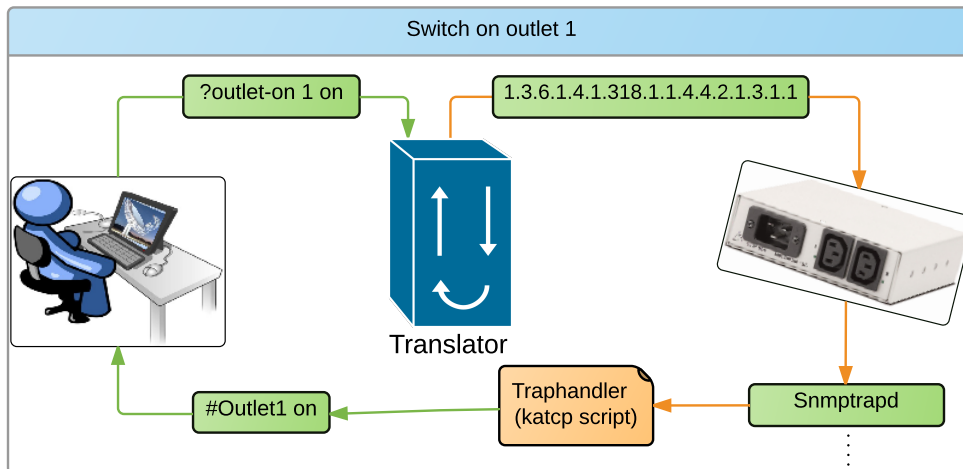
Name	Status	Timestamp	Received Timestamp	Value
vds-address	nominal	13:32:59 2015-08-28	11:07:29 2015-10-08	["10.8.65.24",2049]
vds-api-version	nominal	13:32:59 2015-08-28	11:07:29 2015-10-08	katsim.vds-0.0.1a0
vds-build-state	nominal	13:32:59 2015-08-28	11:07:29 2015-10-08	katsim-vds-0.1
vds-connected	nominal	11:07:29 2015-10-08	11:07:29 2015-10-08	true
vds-state	nominal	13:32:59 2015-08-28	11:07:29 2015-10-08	synced
vds.camera-power-on	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	true
vds.device-status	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	ok
vds.flood-lights-on	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	true
vds.focus-position	nominal	10:41:10 2015-10-08	11:07:32 2015-10-08	33
vds.pan-position	nominal	10:44:42 2015-10-08	11:07:32 2015-10-08	30
vds.pdu-connected	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	true
vds.ptz-controller-connected	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	true
vds.snmpd-trap-running	nominal	13:32:53 2015-08-28	11:07:29 2015-10-08	true
vds.tilt-position	nominal	14:11:17 2015-09-01	11:07:29 2015-10-08	15
vds.zoom-position	nominal	10:41:30 2015-10-08	11:07:32 2015-10-08	49

Definitions

KATCP is a simple ASCII communication protocol layered on top of TCP/IP.
PelcoD is a popular PTZ (Pan/Tilt/Zoom) camera control protocol.
SNMP is a protocol for monitoring the health of devices like PDUs.
SnmptrapD is an SNMP application that receives and logs SNMP TRAP.

OID description

1.3.6.1.4.1.318.1.1.4.4.2.1.3.1.1
 iso(1) identified-organization(3) dod(6) internet(1) private(4) enterprise(1) 318
 products(1) hardware(1) masterswitch(4) sPDUOutletControl(4)
 sPDUOutletControlTable(2) sPDUOutletControlEntry(1) sPDUOutletCtl(3)
 (1)sPDUOutletNumber (1)sPDUSwitchOn



The Trap Daemon Configuration

/etc/snmp/snmptrapd.conf

```
authCommunity log public
traphandle .1.3.6.1.4.1.318.0.754 python apc.py
traphandle default python default_script.py
```

When a trap of OID
.1.3.6.1.4.1.318.0.754
is triggered the apc.py
script will run.

The last line uses the
keyword "default" instead of
an OID, which will catch all
traps that were not
processed.