

## Example SNMP Query from command line

```
% snmpget -v 1 -c public localhost 1.3.6.1.4.1.2021.10.1.3.1
UCD-SNMP-MIB::laLoad.1 = STRING: 0.27
```

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## Example SNMP/Node.js code snmpget

```
var snmp = require('snmp-native');
var session = new snmp.Session();
var target_oid=[1,3,6,1,4,1,2021,10,1,3,1];
session.get({ oid: target_oid, host: 'localhost', community: 'public' },
  function(error, varbinds) {
    if (error) {
      console.log('Fail :(');
    } else {
      console.log(varbinds[0].oid + ' = ' + varbinds[0].value + ' (' + varbinds[0].type + ')');
    }
  });
```

## Example trigger snmpget with web interface

```
var snmp = require('snmp-native');
var http = require('http');

var result="";

var server = http.createServer(function (request, response) {
    response.writeHead(200, {"Content-Type": "text/html"});
    response.end("<html><head></head><body><h1>Last query:" + result
+"</h1></body></html>");
});

server.listen(3000);

function query_snmp() {
    var session = new snmp.Session();
    session.get({ oid: [1, 3, 6, 1, 4, 1, 2021,10,1,3,1], host: 'localhost', community: 'public' },
function(error, varbinds) {
    if (error) {
        console.log('Fail :(');
    } else {
        result = varbinds[0].value;
    }
});
}

setInterval(query_snmp, 1000);
```

### Example listening to SNMP traps and http requests simultaneously.

```
var os = require('os');
var snmp = require('snmpjs');
var http = require('http');
var express = require('express');
var app = express();

var bunyan = require('bunyan');
var result=[];

app.use(express.static('public'));
app.get('/get_today_count', function(req, res) {
  console.log(result.length);
  res.send(result.length.toString());
});

var server = app.listen(3001, function() {
  console.log('Listening on port %d', server.address().port);
});

var log = new bunyan({
  name: 'snmpd',
  level: 'trace'
});

var trapd = snmp.createTrapListener({log: log});

trapd.on('trap', function(msg){
  result.push(msg);
  var now = new Date();
  console.log("Trap Received " + now);
  console.log(result.length);
});

trapd.bind({family: 'udp4', port: 162});
```