Breaking the barrier

Node.js on Windows Azure

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Node.js is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

```javascript
var http = require('http');
http.createServer(function (req, res) {
  res.writeHead(200, {'Content-Type': 'text/plain'});
  res.end('Hello World\n');
}).listen(1337, '127.0.0.1');
console.log('Server running at http://127.0.0.1:1337/');
```

npm is a package manager for node. You can use it to install and publish your node programs. It manages dependencies and does other cool stuff.

express

High performance, high class web development for **Node.js**

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```
var app = express.createServer();

app.get('/', function(req, res){
    res.send('Hello World');
});


app.listen(3000);
```

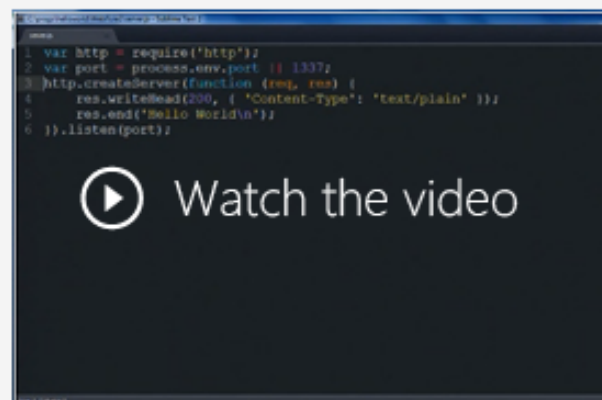# Node.js Developer Center

Windows Azure SDK for Node.js
It's easy: everything in one simple install!

- ✅ Windows Azure PowerShell for Node.js
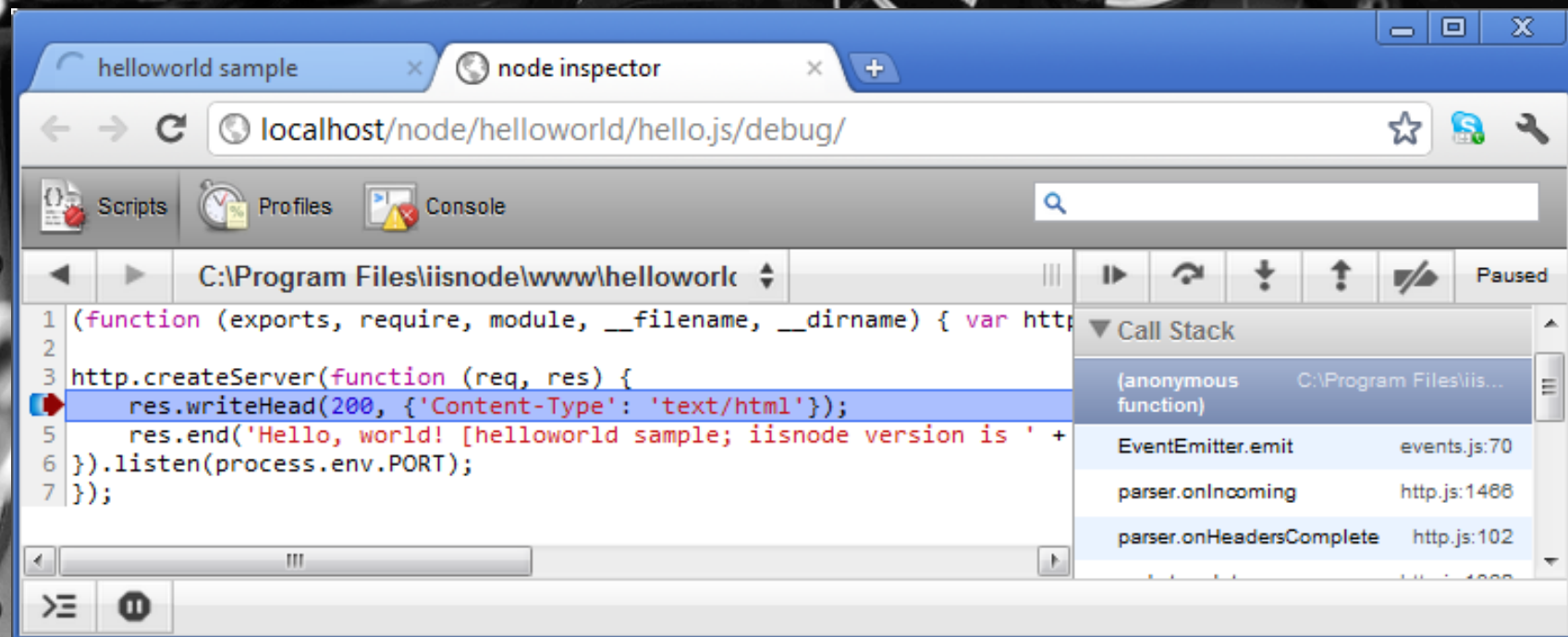- ✅ Node.js for Windows

install ⊕

Last updated February 2012

```
1  var http = require('http');
2  var port = process.env.port || 1337;
3  http.createServer(function (req, res) {
4      res.writeHead(200, { 'Content-Type': 'text/plain' });
5      res.end('Hello World\n');
6  }).listen(port);
```

▶ Watch the video

4 minutes, 57 seconds

helloworld sample   node inspector   +

localhost/node/helloworld/hello.js/debug/

Scripts   Profiles   Console

C:\Program Files\iisnode\www\helloworld   ▲▼   ▶ ⟳ ↓ ↑ ⫽   Paused

```
1 (function (exports, require, module, __filename, __dirname) { var http
2
3 http.createServer(function (req, res) {
4     res.writeHead(200, {'Content-Type': 'text/html'});
5     res.end('Hello, world! [helloworld sample; iisnode version is ' +
6 }).listen(process.env.PORT);
7 });
```

▼ Call Stack

(anonymous function)	C:\Program Files\iis...
EventEmitter.emit	events.js:70
parser.onIncoming	http.js:1466
parser.onHeadersComplete	http.js:102

Beyond Windows

Cloud9 IDE

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Breaking the barrier

Node.js on Windows Azure

Links

http://nodejs.org – node.js site
http://npmjs.org – npm registry
http://expressjs.com – express
http://bit.ly/azurenodedev – azure node center
http://github.com/iisnode - iisnode
http://github.com/dannycoates/node-inspector - node-inspector

Attribution