

- Cài đặt NodeJS: nodejs.org & git-scm.com

- [Ebook NodeJS & SocketIO + Express Module \(Web App\)](#)



IOS socket IO 01/11



Lập trình NodeJS cơ bản



```

var n = 5;
var x = 2;
-----
if(n>x)
console.log(n + " lon hon " + x);
else
console.log(n + " nho hon " + x);
-----
for(var i=1; i<=10; i++){
    console.log("Dong so " + i);
}
-----
var x=0;
while(x<=5){
    console.log("Dong so " + x);
    x++;
}
-----
var mang = [];
mang.push("Teo Em");
mang.push("Teo Anh");
mang.push("Teo Chi");

console.log(mang.length);
console.log(mang[1]);
-----
var buffer = new Buffer("Khoa Pham", "utf-8");
console.log(buffer);
console.log(buffer.toString());
console.log(buffer.toJSON());
-----
var fs = require("fs");
var noidung = fs.readFileSync(__dirname + "/acquy.png");
console.log(noidung);
console.log(noidung.toString());
console.log(noidung.toJSON());

```



Cấu hình file package.json

```

{
  "name": "KhoaPham",
  "version": "0.0.1",
  "private": "true",
  "dependencies": {
    "express": "*",
    "socket.io": "*",
    "socketio-file-upload": "^0.4.4"
  }
}

```



Cấu hình Express

```

var express = require("express");
var app = express();
var server = require("http").createServer(app);
var io = require("socket.io").listen(server);
var fs = require("fs");
server.listen(process.env.PORT || 3000);

app.get("/", function(req, res){
    res.sendFile(__dirname + "/index.html");
});

```

Cấu hình đường dẫn thư mục trong Express



```
app.use("/asset", express.static(__dirname + "/layout"));
```



NodeJS kết nối MySQL

```
1 var express = require("express");
2 app = express();
3 server = require("http").createServer(app);
4 io = require("socket.io").listen(server);
5 var mysql = require("mysql");
6 server.listen(process.env.PORT || 3000);
7
8 app.get("/", function(req, res, next){
9     res.sendFile(__dirname + "/index.html");
10    var connection = mysql.createConnection({
11        host      : 'localhost',
12        user      : 'root',
13        password  : '',
14        database  : 'dantri',
15        port      : 3306
16    });
17
18    connection.connect();
19    connection.query('SELECT * FROM nhanvien',
20        function(err, rows, fields) {
21            if (err) throw err;
22            console.log('The solution is: ', rows);
23            //console.log(rows[0].HoTen);
24        });
25    connection.end();
26 });
```



Deploy với Heroku

Install the Heroku Toolbelt

Download and install the [Heroku Toolbelt](#) or learn more about the [Heroku Command Line Interface](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Clone the repository

Use Git to clone app2khoaphamvn's source code to your local machine.

```
$ heroku git:clone -a app2khoaphamvn  
$ cd app2khoaphamvn
```

Deploy your changes

Make some changes to the code you just cloned deploy them to Heroku using Git.

```
$ git add .  
$ git commit -am "make it better"  
$ git push heroku master
```



SOCKET IO: Phía SERVER NODEJS

```
io.sockets.on('connection', function (socket) {  
  console.log("Co nguoi connect ne");  
  io.sockets.emit('serverguitinnhan', { noidung: "okbaby" });  
  socket.on('servernhantinnhan', function (data) {  
    // emit toi tat ca moi nguoi  
    io.sockets.emit('serverguitinnhan', { noidung: data });  
    // emit toi máy nguoi vừa gửi  
    socket.emit('serverguitinnhan', { noidung: data });  
  });  
});
```



SOCKET IO: Phía client WEB HTML

```
src="http://code.jquery.com/jquery-2.1.4.min.js"  
src="/socket.io/socket.io.js"  
$(document).ready(function(){  
  var socket = io.connect("http://localhost:3000/");  
  socket.emit("new user", "khoapham.vn");  
  socket.emit("new user", $username.val(), function(data){  
    if(data){  
      }else{  
      }  
    });  
  socket.on("server-gui-ve", function(data){  
    //io.sockets.emit("new message",{msg:data});  
    alert(data);  
  });
```

```
    })  
    socket.on("disconnect", function(data){  
        if(!socket.username) return;  
        else  
            usernames.splice(usernames.indexOf(socket.username), 1);  
    });  
});
```