**Omron\_Doc**

**介绍**

此文档将简单介绍如何用Node.js快速搭建局域网服务器。此文档写了一个简单的静态文件服务器，实现了基本的路由、静态文件读取、MIME类型支持的功能。

**第一步**

确保使用的电脑上已安装Node.js。安装完以后在Terminal里输入node -v 来确认是否已经安装成功。

**第二步**

创建app.js

var http = require('http');

var url = require('url');

var path = require('path');

var fs = require('fs');

var mime = require('./mime');

//服务器端口号

var port = 1234;

//服务器路径

var root = './';

//默认访问根目录下的"index.html"

var index = 'index.html';

http

.createServer(function (request, response) {

var realPath = url

.parse(request.url)

.pathname;

//默认访问根目录下的index.html

if (realPath.charAt(realPath.length - 1) == "/") {

realPath += index;

}

//安全问题，禁止父路径

realPath = realPath.replace(/\.\./g, '');

var realPath = root + realPath;

//获取文件的后缀名，为待会的MIME类型提供支持

var ext = path.extname(realPath);

ext = ext

? ext.slice(1)

: 'unknown';

//先判断访问文件是否存在，并返回对应的HTTP状态码，再读取静态文件

fs.exists(realPath, function (exists) {

console.log('path.exists--%s', exists);

if (!exists) {

response.writeHead(404, {'Content-Type': 'text/plain'});

response.write(

"This request URL " + realPath + " was not found on this server."

);

response.end();

} else {

fs.readFile(realPath, "binary", function (err, file) {

if (err) {

response.writeHead(500, {'Content-Type': 'text/plain'});

response.end(err + '');

} else {

//MIME类型支持

var contentType = mime[ext] || "text/plain";

response.writeHead(200, {'Content-Type': contentType});

response.write(file, "binary");

response.end();

}

});

}

});

})

.listen(1234);

// 终端打印运行信息

console.log('Server running at http://127.0.0.1:1234/');

**第三步**

创建mime.js

var mime = {

"html": "text/html",

"ico": "image/x-icon",

"css": "text/css",

"gif": "image/gif",

"jpeg": "image/jpeg",

"jpg": "image/jpeg",

"js": "text/javascript",

"json": "application/json",

"pdf": "application/pdf",

"png": "image/png",

"svg": "image/svg+xml",

"swf": "application/x-shockwave-flash",

"tiff": "image/tiff",

"txt": "text/plain",

"wav": "audio/x-wav",

"wma": "audio/x-ms-wma",

"wmv": "video/x-ms-wmv",

"xml": "text/xml"

};

module.exports = mime;

**第四步**

创建index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

Hello

</body>

</html>

**第五步**

Terminal中找到文件路径，并运行node。

node app.js

此时服务器已经搭建成功，下一步打开terminal查看本机的ip地址，此例子中ip为10.110.133.212。在浏览器中输入查到的本机ip address加上之前设置的port number就可以访问了。

**To be continued...**