# Module 2: Starting the Node Server

In this module, you install and start a Node.js server that exposes the conference data (sessions and speakers) through a set of REST services.

## Steps

1. Download the supporting files for this tutorial here (https://github.com/ccoenraets/ionic-tutorial/archive/master.zip), or clone the repository:

   ```
   git clone https://github.com/ccoenraets/ionic-tutorial
   ```

   If you downloaded the zip file, unzip it anywhere on your file system.

2. Open a terminal window (Mac) or a command window (Windows), and navigate (cd) to the **ionic-tutorial/server** directory

3. Install the server dependencies:

   ```
   npm install
   ```

4. Start the server:

   ```
   node server
   ```

   If you get an error, make sure you don't have another server listening on port 5000.

5. Test the REST services. Open a browser and access the following URLs:

   - http://localhost:5000/sessions (http://localhost:5000/sessions) (for a list of conference sessions returned as a JSON document)

   - http://localhost:5000/sessions/1 (http://localhost:5000/sessions/1) (for information about a specific session )

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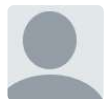
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Name

**Muawia Abuhilal** • 4 years ago

when i use command in cdm " noder derver "

then trying to open the links , only i see the code , what is the problem ?

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**angelxmoreno** ➜ Muawia Abuhilal • 4 years ago

"node server" not "noder derver"

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**Phanindra B** → angelxmoreno • 3 years ago

:)

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**Webster** • a year ago

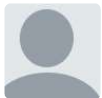I am getting `Cannot GET /`.
What does this mean ?

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**Ramachandran** • 3 years ago

Working fine.. Thanks you so much... How to deploy into amazon server. Please help

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**Zachary Buckholz** • 2 years ago

When using Docker you will need to tell let node know it should listen on all local IPs not just the loopback address.

I edited the server/server.js file on line 27 to add the 0.0.0.0 IP which means all IPs assigned to the docker container.
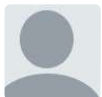
Before
app.listen(app.get('port', function () {

After
app.listen(app.get('port'), "0.0.0.0", function () {

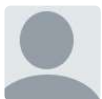Now I can connect to the server using http://localhost:5000/sessions from my laptop running Docker.

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**Sarvesh Gundi** • 2 years ago

i try to run 'node server'. it is running form last 12 hours any body tell me how much time it will take for running this command.

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**Chatofrey Dev** • 2 years ago

After installing the server dependencies with "npm install", just run "npm start" and the server will run

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**Sarvesh Gundi** → Chatofrey Dev • 2 years ago

no need to run node server
then how much time it will take to run this command

⌃ | ⌄ • Reply • Share ›

**Andre Carneiro** • 3 years ago

doesn't work!

andre@horrorscope:~/Estudos/ionic/myApp/ionic-tutorial/server$ node server.js
module.js:471
throw err;
^

Error: Cannot find module 'body-parser'
at Function.Module._resolveFilename (module.js:469:15)
at Function.Module._load (module.js:417:25)
at Module.require (module.js:497:17)
at require (internal/module.js:20:19)
at Object.<anonymous> (/home/andre/Estudos/ionic/myApp/ionic-tutorial/server/server.js:2:23)
at Module._compile (module.js:570:32)
at Object.Module._extensions..js (module.js:579:10)
at Module.load (module.js:487:32)
at tryModuleLoad (module.js:446:12)
at Function.Module._load (module.js:438:3)

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**Andre Carneiro** ➜ Andre Carneiro • 3 years ago
I've installed this 'body-parser' with -g option. Now the problem is another module. Where
is the dependecies information ?

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**Gerard Jan Celestial Estrada** ➜ Andre Carneiro • a year ago
how to install "body-parser" mr. carniero?

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**Andre Carneiro** ➜ Andre Carneiro • 3 years ago
Now server.js script is running. Dependecies modules that was missed in my case:

body-parser
method-override

Maybe someone could put this two guys on depencies list... Please?

Cheers!

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**ashish gautami** • 3 years ago
some buddy help me plz

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**asnish gautami** • 3 years ago

when i start node sever in cmd it show me
C:\Users\Admin>node server
module.js:327
throw err;
^

Error: Cannot find module 'C:\Users\Admin\server'
at Function.Module._resolveFilename (module.js:325:15)
at Function.Module._load (module.js:276:25)
at Function.Module.runMain (module.js:441:10)
at startup (node.js:139:18)
at node.js:968:3
∧  |  ∨  •  Reply  •  Share ›

> **Tim** → ashish gautami • 3 years ago • edited
> You need to start it inside the server directory, where server.js is.
> 1 ∧  |  ∨  •  Reply  •  Share ›

**Luis Carlos** • 4 years ago

I can't access thr URLs to test the REST services, however I was able to install everything
properly to this point. Any suggestions? Thanks
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**Sukanta** • 4 years ago

Please help me to resolve this pl plz plz

C:\Users\HARIOM\Documents\GitHub> npm install
npm ERR! install Couldn't read dependencies
npm ERR! Windows_NT 10.0.10586
npm ERR! argv "C:\\Program Files\\nodejs\\node.exe" "C:\\Program
Files\\nodejs\\node_modules\\npm\\bin\\npm-cli.js" "install"
npm ERR! node v4.2.4
npm ERR! npm v2.14.12
npm ERR! path C:\Users\HARIOM\Documents\GitHub\package.json
npm ERR! code ENOPACKAGEJSON
npm ERR! errno -4058
npm ERR! syscall open

npm ERR! package.json ENOENT: no such file or directory, open
'C:\Users\HARIOM\Documents\GitHub\package.json'
npm ERR! package.json This is most likely not a problem with npm itself.
npm ERR! package.json npm can't find a package.json file in your current directory.

npm ERR! Please include the following file with any support request:
npm ERR! C:\Users\HARIOM\Documents\GitHub\npm-debug.log
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**Luis Carlos** ➔ Sukanta • 4 years ago

You must install the dependencies in the same folder where the package.jason is located. If you downloaded the zip, then you'll have to locate in "ionic-tutorial-master/server" in the cmd, and install dependencies there

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**Proklos** • 4 years ago

Hi,

when I run 'node server' I get this error:

Error: Cannot find module '/Volumes/Macintosh HD/projects/ionic-tutorials/conference/server'
at Function.Module._resolveFilename (module.js:327:15)
at Function.Module._load (module.js:278:25)
at Function.Module.runMain (module.js:431:10)
at startup (node.js:141:18)
at node.js:977:3

Tried to uninstall and install npm again. Didn't work.

Any ideas? What I do not understand is that I do not have a folder /server.

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**Rahul** • 4 years ago

Getting this error.....how to resolve???

Error: Cannot find module 'body-parser'

at Function.Module._resolveFilename (module.js:336:15)

at Function.Module._load (module.js:278:25)

at Module.require (module.js:365:17)

at require (module.js:384:17)

at Object.<anonymous> (/home/apoorva/Desktop/ionic-tutorial/server/server.js:2:23)

at Module._compile (module.js:460:26)

at Object.Module._extensions..js (module.js:478:10)

at Module.load (module.js:355:32)

at Function.Module._load (module.js:310:12)

at Function.Module.runMain (module.js:501:10)

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**Alappan Krishnan** ➔ Rahul • 4 years ago

you people use body-parser module in our project but didn't install the your application. So
you need to install body-parser module.
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**SirPaulMuaddib** • 4 years ago
Can tell me the difference between "routing" and "Restful service"?
Are they both the same thing?
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**Phanindra B** ➔ SirPaulMuaddib • 3 years ago
They both sound the same, basically a "protocol" for creating your URLs.
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**fennng** • 4 years ago
Got following error:

Solution, delete the node_modules folder, run sudo npm install -g, then run npm install again,
problem solved.

module.js:340

throw err;

^

Error: Cannot find module 'depd'

at Function.Module._resolveFilename (module.js:338:15)

at Function.Module._load (module.js:280:25)

at Module.require (module.js:364:17)

at require (module.js:380:17)

**see more**

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**fennng** ➔ fennng • 4 years ago
For mac user, nodejs is not necessary, use:

python -m SimpleHTTPServer 5000

will do the trick.
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**Oliver Mensah** • 4 years ago
My server response is Cannot Get
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**Alappan Krishnan** → Oliver Mensah • 4 years ago

What response did you sent.

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**Oliver Mensah** → Oliver Mensah • 4 years ago

Have seen the mistake I did but can you please help me know how to create a server like this?
You can pass me the link to study it.
Thanks

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**Alappan Krishnan** → Oliver Mensah • 4 years ago

http://www.sitepoint.com/cr...

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2. Starting the Node Server (start-node-server.html)

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4. Creating the Session Service (create-angular-service.html)

5. Creating the Session Controllers (create-angular-controller.html)

6. Creating Templates (create-ionic-template.html)

7. Routing (angular-ui-router.html)

8. Building the Project (build-ionic-project.html)

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Christophe Coenraets, 2014