

1.- create docker with -v

```
$ mkdir www
$ cd www
$ vi index.html
$ cd ..
$ sudo docker run -dit --name <user>-container -p 8xxx:80 -v /home/
<user>/www:/usr/local/apache2/htdocs/ httpd
```

=====

2.- create docker with Dockerfile

```
$ mkdir nodeimage
$ cd nodeimage
$ vi Dockerfile

# We use debian as our base distro for this container.
FROM debian:jessie

# Refresh apt-get.
RUN apt-get update

# Install some utilities needed by node, npm.
RUN apt-get install -y curl make g++

# Install Node.js and npm.
RUN curl -sL https://deb.nodesource.com/setup_10.x | bash -
RUN apt-get install -y nodejs

# Install required npm packages.
ADD package.json /package.json
RUN npm install

# Set /src as the working directory for this container.
WORKDIR /src

# Open up external access to port 80xx
EXPOSE 80xx

# Run startup command.
CMD ["node", "/src/server.js"]

$ vi package.json

{
```

```
  "name": "node-image",
  "private": true,
  "version": "1.0.0",
  "description": "Docker image - node",
  "author": "Adolfo Centeno <adsoft@live.com.mx>",
  "dependencies": {
    "express": "3.2.4"
  }
}
```

```
$ mkdir src
$ cd src
$ vi server.js
```

```
var express = require('express');

// Constants
var PORT = 8080;

// App
var app = express();
app.get('/', function (req, res) {
  res.sendFile('/src/index.html');
});

app.listen(PORT);
console.log('Running on port ' + PORT);
```

```
$ vi index.html
```

```
Hello World!
<br>
by adsoft
```

```
$ sudo docker build -t <dockeruser>/my-node .
```

```
$ sudo docker run --name containernode -p 8xxx:8xxx -v $PWD/src:/src -
d <dockeruser>/my-node
```

```
=====
```

3.- docker hub

```
$ sudo docker login
```

```
$ sudo docker push <dockeruser>/my-node
```

