# MEAN STACK DEPLOYMENT TO UBUNTU IN AWS

* I will deploy a new server on AWS EC2 console, go to connect and copy the complete ip address. I will open my terminal and paste it there. Then I will run the command below because it is a new deployed server

----------------- Sudo apt update

Text

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* After updating, it gave a prompt to upgrade it. I will use the command below to do that

-------------- Sudo apt upgrade

Text

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* I will add the certificate to it by running the command

----------- sudo apt -y install curl dirmngr apt-transport-https lsb-release ca-certificates

curl -sL https://deb.nodesource.com/setup\_12.x | sudo -E bash -

Text

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* I need to install nodejs with the command:

----------- sudo apt install -y nodejs

Text

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* I need to run the command below to get the key

--------- sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv 0C49F3730359A14518585931BC711F9BA15703C6

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* I will run the command below:

-------- echo "deb [ arch=amd64 ] https://repo.mongodb.org/apt/ubuntu trusty/mongodb-org/3.4 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-3.4.list

Text

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* I will run the command below to install mongodb

-------- sudo apt install -y mongodb

Text

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* I will start the mongodb service with the command:

--------- sudo service mongodb start

* I will also check the status of mongodb with the command:

---------- sudo systemctl status mongodb

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* I will install the node package manager (npm) that I will need to install other dependencies with the command:

------------ sudo apt install -y npm

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* I will install ‘body parser’ package to help process JSON files passed in request to the server with the command:

--------- sudo npm install body-parser

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* I will create the folder ‘Books’ and change directory into it

-------mkdir Books && cd Books



* I will initialize the npm project with the command below and follow the prompt given.

-------- npm init

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* I will add a file named ‘server.js” in the book folder and paste the web server code into it

---------- Vi server.js

Text

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* I will install the express web application framework that provides features for web mobile applications with the command below

---------- sudo npm install express mongoose

Text

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* I will make directory “apps” and change directory into it with the command:

--------- Mkdir apps && cd apps

Text

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* I will create a filed named “routes.js” and paste the code below into it

--------------- Vi routes.js

Text

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* I will make a directory called “models” and change directory into it

--------------- Mkdir models && cd models

Text

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* I will touch a file in the models directory named “book.js and paste the code below into it

------------- Vi book.js

Text

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* I will change directory back to Books and make a new directory and change into the new directory

--------- cd ../..

---------- mkdir public && cd public

A screenshot of a computer

Description automatically generated with medium confidence

* I will touch a new file in the public directory and paste the code below into it

------------------ Vi script.js

Text

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* In the public directory also create a file named index.html. Paste the code below into it

------------ vi index.html

Text

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* Change directory back to Books and start the server by running this command

--------- Cd ..

---------- node server.js

Text

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* I will go to my AWS EC2 console to open port 3300, then open another terminal as shown below

Text

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* I will test what the curl command returns locally

------------ curl -s http://localhost:3300

Text

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\* Lastly, I will go to my web browser, type the public ip address with the port 3300

Graphical user interface

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Graphical user interface, text, application, email

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