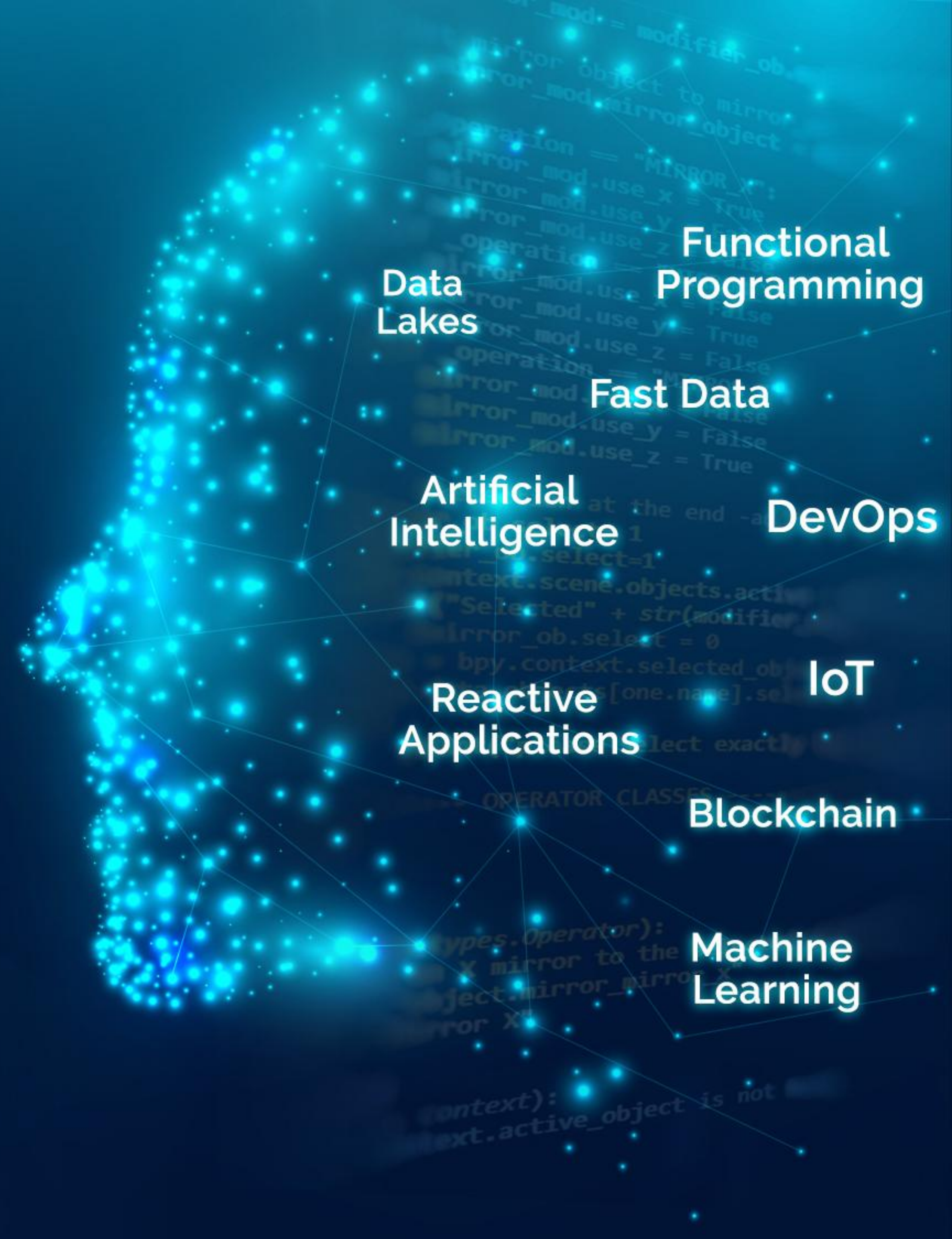


NPM Installation

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Functional Programming
Data Lakes
Fast Data
DevOps
Artificial Intelligence
IoT
Reactive Applications
Blockchain
Machine Learning

Agenda

Setup NodeJs environment in your machine and install the following packages as global packages -

1. Angular
2. React
3. Vue
4. Ionic

Once installed, check the packages via executing their CLI commands.

Step 1: Update the sudo

```
knoldus@knoldus-Vostro-15-3568: ~  
knoldus@knoldus-Vostro-15-3568:~$ sudo apt update  
[sudo] password for knoldus:  
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://dl.google.com/linux/chrome/deb stable InRelease  
Hit:4 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:5 https://download.docker.com/linux/ubuntu focal InRelease  
Hit:6 http://packages.microsoft.com/repos/code stable InRelease  
Hit:7 https://packages.microsoft.com/repos/vscode stable InRelease  
Get:8 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]  
Ign:10 https://adoptopenjdk.jfrog.io/adoptopenjdk/deb codename InRelease  
Err:12 https://adoptopenjdk.jfrog.io/adoptopenjdk/deb codename Release  
      404 Not Found [IP: 35.190.146.4 443]  
Get:13 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metada  
ta [27.6 kB]  
Get:14 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Me  
tadata [61.1 kB]  
Get:15 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11  
Metadata [2,464 B]  
Hit:9 https://scala.jfrog.io/artifactory/debian all InRelease  
Ign:11 https://scala.jfrog.io/artifactory/debian InRelease  
Hit:16 https://scala.jfrog.io/artifactory/debian Release  
Reading package lists... Done  
E: The repository 'https://adoptopenjdk.jfrog.io/adoptopenjdk/deb codename Relea
```


Step 2: install nodejs and check the status

Step 3: install npm

step 4: install angular cli

```
knoldus@knoldus-Vostro-15-3568: ~  
knoldus@knoldus-Vostro-15-3568:~$ node -v  
v10.19.0  
knoldus@knoldus-Vostro-15-3568:~$ sudo apt install npm  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
npm is already the newest version (6.14.4+ds-1ubuntu2).  
The following packages were automatically installed and are no longer required:  
  libllvm11 shim  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
knoldus@knoldus-Vostro-15-3568:~$ sudo npm install -g @angular/cli  
npm WARN deprecated request@2.88.2: request has been deprecated, see https://git  
hub.com/request/request/issues/3142  
npm WARN deprecated har-validator@5.1.5: this library is no longer supported  
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older v  
ersions may use Math.random() in certain circumstances, which is known to be pro  
blematic. See https://v8.dev/blog/math-random for details.  
/usr/local/bin/ng -> /usr/local/lib/node_modules/@angular/cli/bin/ng  
  
> @angular/cli@12.2.2 postinstall /usr/local/lib/node_modules/@angular/cli  
> node ./bin/postinstall/script.js
```


step 5: check ng version

```
knoldus@knoldus-Vostro-15-3568: ~  
npm WARN notsup Unsupported engine for @angular-devkit/architect@0.1202.2: wanted: {"node": "^12.14.1 || >=14.0.0", "npm": "^6.11.0 || ^7.5.6", "yarn": ">= 1.13.0"} (current: {"node": "10.19.0", "npm": "6.14.4"})  
npm WARN notsup Not compatible with your version of node/npm: @angular-devkit/architect@0.1202.2  
npm WARN notsup Unsupported engine for open@8.2.1: wanted: {"node": ">=12"} (current: {"node": "10.19.0", "npm": "6.14.4"})  
npm WARN notsup Not compatible with your version of node/npm: open@8.2.1  
npm WARN notsup Unsupported engine for @schematics/angular@12.2.2: wanted: {"node": "^12.14.1 || >=14.0.0", "npm": "^6.11.0 || ^7.5.6", "yarn": ">= 1.13.0"} (current: {"node": "10.19.0", "npm": "6.14.4"})  
npm WARN notsup Not compatible with your version of node/npm: @schematics/angular@12.2.2  
  
+ @angular/cli@12.2.2  
updated 2 packages in 37.173s  
knoldus@knoldus-Vostro-15-3568:~$ ng --version  
Node.js version v10.19.0 detected.  
The Angular CLI requires a minimum Node.js version of either v12.14 or v14.15.  
  
Please update your Node.js version or visit https://nodejs.org/ for additional instructions.  
knoldus@knoldus-Vostro-15-3568:~$
```


Step 6: install ionic cli

```
knoldus@knoldus-Vostro-15-3568: ~  
+ @angular/cli@12.2.2  
updated 2 packages in 37.173s  
knoldus@knoldus-Vostro-15-3568:~$ ng --version  
Node.js version v10.19.0 detected.  
The Angular CLI requires a minimum Node.js version of either v12.14 or v14.15.  
  
Please update your Node.js version or visit https://nodejs.org/ for additional instructions.  
  
knoldus@knoldus-Vostro-15-3568:~$ sudo npm i -g @ionic/cli  
/usr/local/bin/ionic -> /usr/local/lib/node_modules/@ionic/cli/bin/ionic  
+ @ionic/cli@6.17.0  
added 212 packages from 157 contributors in 29.757s  
  
New major version of npm available! 6.14.4 -> 7.21.0  
Changelog: https://github.com/npm/cli/releases/tag/v7.21.0  
Run npm install -g npm to update!  
  
knoldus@knoldus-Vostro-15-3568:~$
```


Step 7: check the version of ionic

```
knoldus@knoldus-Vostro-15-3568: ~  
updated 2 packages in 37.173s  
knoldus@knoldus-Vostro-15-3568:~$ ng --version  
Node.js version v10.19.0 detected.  
The Angular CLI requires a minimum Node.js version of either v12.14 or v14.15.  
  
Please update your Node.js version or visit https://nodejs.org/ for additional instructions.  
  
knoldus@knoldus-Vostro-15-3568:~$ sudo npm i -g @ionic/cli  
/usr/local/bin/ionic -> /usr/local/lib/node_modules/@ionic/cli/bin/ionic  
+ @ionic/cli@6.17.0  
added 212 packages from 157 contributors in 29.757s  
  
New major version of npm available! 6.14.4 -> 7.21.0  
Changelog: https://github.com/npm/cli/releases/tag/v7.21.0  
Run npm install -g npm to update!  
  
knoldus@knoldus-Vostro-15-3568:~$ ionic -v  
5.4.16
```


Step 8: install vue cli

```
knoldus@knoldus-Vostro-15-3568: ~  
New major version of npm available! 6.14.4 -> 7.21.0  
Changelog: https://github.com/npm/cli/releases/tag/v7.21.0  
Run npm install -g npm to update!  
  
knoldus@knoldus-Vostro-15-3568:~$ ionic -v  
5.4.16  
knoldus@knoldus-Vostro-15-3568:~$ sudo npm install -g @vue/cli  
npm WARN deprecated @hapi/joi@15.1.1: Switch to 'npm install joi'  
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142  
npm WARN deprecated @hapi/address@2.1.4: Moved to 'npm install @sideway/address'  
npm WARN deprecated @hapi/topo@3.1.6: This version has been deprecated and is no longer supported or maintained  
npm WARN deprecated @hapi/hoek@8.5.1: This version has been deprecated and is no longer supported or maintained  
npm WARN deprecated @hapi/bourne@1.3.2: This version has been deprecated and is no longer supported or maintained  
npm WARN deprecated har-validator@5.1.5: this library is no longer supported  
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.  
[.....] \ fetchMetadata: sill resolveWithNewModule fswin@2.17.1227
```


Step 9: check the version of vue
Step 10: Finally create a react app

```
knoldus@knoldus-Vostro-15-3568: ~  
npm ERR! The operation was rejected by your operating system.  
npm ERR! It is likely you do not have the permissions to access this file as the  
current user  
npm ERR! If you believe this might be a permissions issue, please double-check the  
permissions of the file and its containing directories, or try running  
the command again as root/Administrator.  
npm ERR! A complete log of this run can be found in:  
npm ERR! /home/knoldus/.npm/_logs/2021-08-25T05_12_55_452Z-debug.log  
knoldus@knoldus-Vostro-15-3568:~$ vue --version  
@vue/cli 4.5.13  
knoldus@knoldus-Vostro-15-3568:~$ sudo npm -g install create-react-app  
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.  
/usr/local/bin/create-react-app -> /usr/local/lib/node_modules/create-react-app/index.js  
+ create-react-app@4.0.3  
added 67 packages from 25 contributors in 5.511s  
knoldus@knoldus-Vostro-15-3568:~$ create-react-app --version  
4.0.3  
knoldus@knoldus-Vostro-15-3568:~$
```


Thank You !

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