Node.js

【debug】centos7

場景

centos7服務器使用nvm安裝的node之後，只要使用npm或者node，均會出現以下問題

https://www.cnblogs.com/dingshaohua/p/17103654.html

```
xxxxxxxxxx
```

```
1
```
```
[root@172 ~]# npm -v
```
```
2
```
```
node: /lib64/libm.so.6: version `GLIBC_2.27' not found (required by node)
```
```
3
```
```
node: /lib64/libc.so.6: version `GLIBC_2.25' not found (required by node)
```
```
4
```
```
node: /lib64/libc.so.6: version `GLIBC_2.28' not found (required by node)
```
```
5
```
```
node: /lib64/libstdc++.so.6: version `CXXABI_1.3.9' not found (required by node)
```
```
6
```
```
node: /lib64/libstdc++.so.6: version `GLIBCXX_3.4.20' not found (required by node)
```
```
7
```
```
node: /lib64/libstdc++.so.6: version `GLIBCXX_3.4.21' not found (required by node)
```
```
8
```
```
```

原因

查看系統內安裝的glibc版本
然後再根據分析可得知新版的node v18開始都需要GLIBC_2.27支持，可是目前系統內卻沒有那麼高的版本

```
xxxxxxxxxx
```

```
1
```
```
[root@172 glibc-2.28]# strings /lib64/libc.so.6 |grep GLIBC_
```
```
2
```
```
GLIBC_2.2.5
```
```
3
```
```
...
```
```
4
```
```
GLIBC_2.17
```
```
5
```
```
....
```
```
6
```
```
```

解決辦法

更新glibc

根據提示安裝所需要的glibc-2.28

```
xxxxxxxxxx
```

```
wget http://ftp.gnu.org/gnu/glibc/glibc-2.28.tar.gz
```

```
tar xf glibc-2.28.tar.gz
```

```
cd glibc-2.28/ && mkdir build  && cd build
```

```
../configure --prefix=/usr --disable-profile --enable-add-ons --with-headers=/usr/include --with-binutils=/usr/bin
```

```

```

可能出現的錯誤

上步更新glibc 可能會發生錯誤。
如果沒有錯誤下邊這一步不用看。

make問題

```
xxxxxxxxxx
```

```
configure: error:
```

```
*** These critical programs are missing or too old: make bison compiler
```

```
*** Check the INSTALL file for required versions.
```

```

```

解決辦法：升級gcc與make

```
xxxxxxxxxx
```

```
# 升□GCC(默□□4 升□□8)
```

```
yum install -y centos-release-scl
```

```
yum install -y devtoolset-8-gcc*
```

```
mv /usr/bin/gcc /usr/bin/gcc-4.8.5
```

```
ln -s /opt/rh/devtoolset-8/root/bin/gcc /usr/bin/gcc
```

```
mv /usr/bin/g++ /usr/bin/g++-4.8.5
```

```
ln -s /opt/rh/devtoolset-8/root/bin/g++ /usr/bin/g++
```

```

```

```
# 升□ make(默□□3 升□□4)
```

```
wget http://ftp.gnu.org/gnu/make/make-4.3.tar.gz
```

```
tar -xzvf make-4.3.tar.gz && cd make-4.3/
```

```
./configure  --prefix=/usr/local/make
```

```
13
  make && make install

14
  cd /usr/bin/ && mv make make.bak

15
  ln -sv /usr/local/make/bin/make /usr/bin/make

16
```

這時所有的問題都已經解決完畢再重新執行上一步更新glibc即可

```
  xxxxxxxxxx


1
  cd /root/glibc-2.28/build

2
  ../configure --prefix=/usr --disable-profile --enable-add-ons --with-headers=/usr/include --with-binutils=/usr/bin

3
```

我的依舊報錯：bison太老舊

```
  xxxxxxxxxx


1
  configure: error:

2
  *** These critical programs are missing or too old: bison

3
  *** Check the INSTALL file for required versions.

4
```

看看我的bison版本多少

```
  xxxxxxxxxx


1
  [root@172 ~]# bison -v

2
  -bash: bison: 未找到命令

3
```

bison問題

嗨，沒裝啊。裝一下唄

```
  xxxxxxxxxx


1
  yum install -y bison

2
```

這時所有的問題真的真的都已經解決完畢再重新執行上一步更新glibc即可

```
  xxxxxxxxxx


1
  cd /root/glibc-2.28/build

2
  ../configure --prefix=/usr --disable-profile --enable-add-ons --with-headers=/usr/include --with-binutils=/usr/bin
```

3

繼續更新glibc

make 和make install在linux中就是安裝軟件的意思簡單這麼理解就好。
這個過程較長，大約半小時左右，建議打一局遊戲就好了。

```
xxxxxxxxxx
```

1

```
make && make install
```

2

```
``
```

3

```
```

4

```
□□下 是不是好了
```

5

```
```shell
```

6

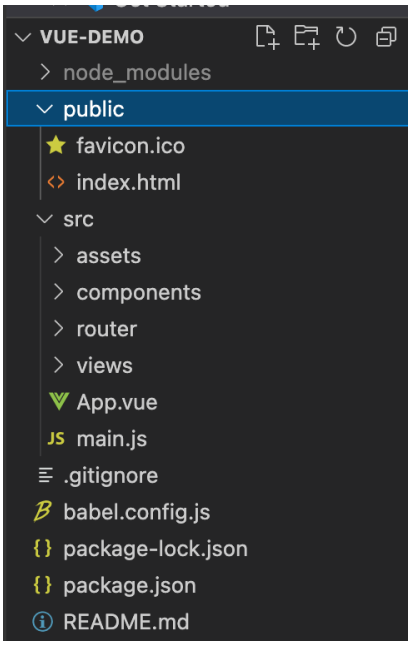
```
npm -v
```

7

```
```
```

【npm】js 套件管理工具

```
# 安裝套件
npm install 套件名
```



node_modules => 套件檔案放置處

public => 打包後的進入點

src => 原始檔

package-lock.json 目前套件版本安裝詳細資訊

package.json => npm 設定檔

```
{
    "private": true,
    ▷ 偵錯
    "scripts": {
        "dev": "npm run development",
        "development": "mix",
        "watch": "mix watch",
        "watch-poll": "mix watch -- --watch-options-poll=1000",
        執行指令碼 | 對指令碼偵錯 t",
        "prod": "npm run production",
        "production": "mix --production"
    },
    "devDependencies": {
        "@popperjs/core": "^2.10.2",
        "@vue/compiler-sfc": "^3.2.24",
        "axios": "^0.21",
        "bootstrap": "^5.1.3",
        "laravel-mix": "^6.0.6",
        "lodash": "^4.17.19",
        "postcss": "^8.1.14",
        "resolve-url-loader": "^3.1.2",
        "sass": "^1.32.11",
        "sass-loader": "^11.0.1",
        "vue": "^3.2.24",
        "vue-loader": "^16.1.0",
        "vue-template-compiler": "^2.6.10"
    },
    "dependencies": {
        "bootstrap-vue": "^2.21.2",
        "element-plus": "^1.2.0-beta.6",
        "vue-router": "^4.0.5"
    }
}
```

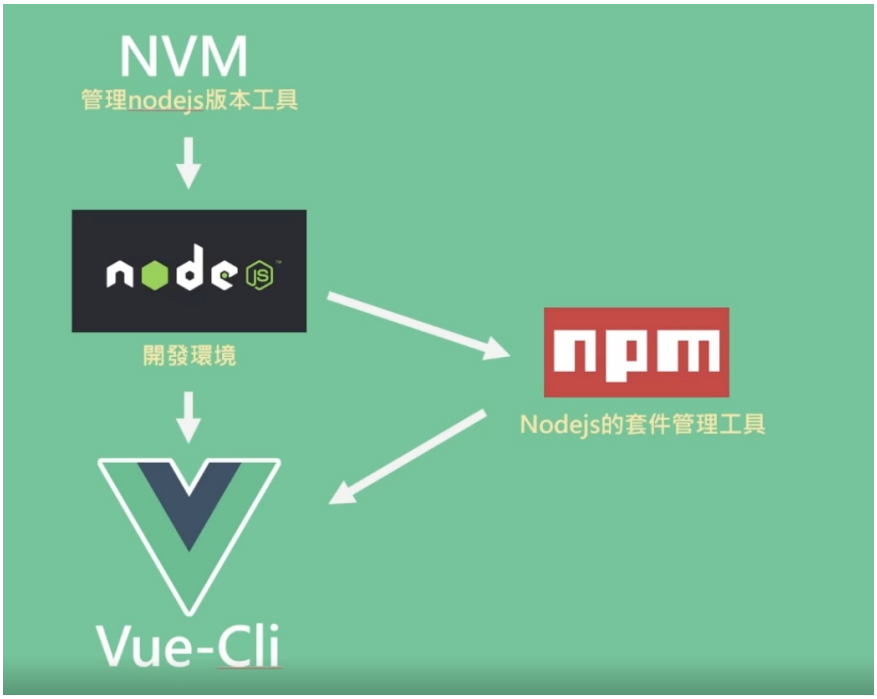
script : npm 指令

ex. npm run dev => npm run development

【nvm】Node.js 管理工具

- nvm

https://github.com/nvm-sh/nvm



Mac 安裝nvm

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash
```

如果下nvm指令找不到

在以下檔案(依照你常用的套件擇一)加入以下文字

bash: `vim ~/.bashrc`

zsh: `vim ~/.zshrc`

```
export NVM_DIR="$([ -z "${XDG_CONFIG_HOME-}" ] && printf %s "${HOME}/.nvm" || printf %s "${XDG_CONFIG_HOME}/nvm")"
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm
```

重新登入或是依使用shell則一重新讀入設定檔

bash: `source ~/.bashrc`

zsh: `source ~/.zshrc`

參考: https://github.com/nvm-sh/nvm#installing-and-updating

MVN 常用指令

- nvm ls-remote：列出目前可用的遠端 Node.js 版本
- nvm install ：安裝特定版本的 Node.js
- nvm ls：列出本定端所安裝的 Node.js 環境
- nvm alias default node：設定命令列預設開啟的 Node.js 版本
- nvm use：當前命令列套用特定版本的 Node.js

```
# 列出目前電腦有安裝nodejs版本
nvm list

# 目前網路上可用的nodejs 版本
nvm list available

#安裝12.19.0版本
nvm install v12.19.0
```

```
#移除12.19.0版本
nvm nuinstall v12.19.0

#使用12.19.0版本
nvm use 12.19.0

#查看目前版本
nvm -v
```