



고급 소프트웨어 실습(CSE4152)

9주차 프로젝트 실행 방법

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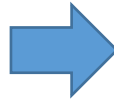
tmux

- 9주차 프로젝트는 각 Port(client: 3000, server: 8001)에서 프로그램 실행해야 함
- tmux를 사용해서 cmd/terminal 창을 분할하여 관리 가능

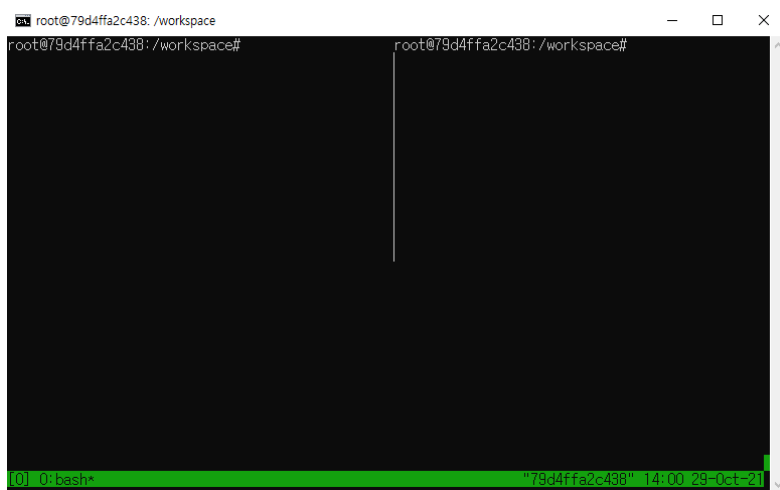
tmux

- tmux: tmux 프로그램 실행

```
root@79d4ffa2c438: /workspace  
root@79d4ffa2c438:/workspace# tmux
```

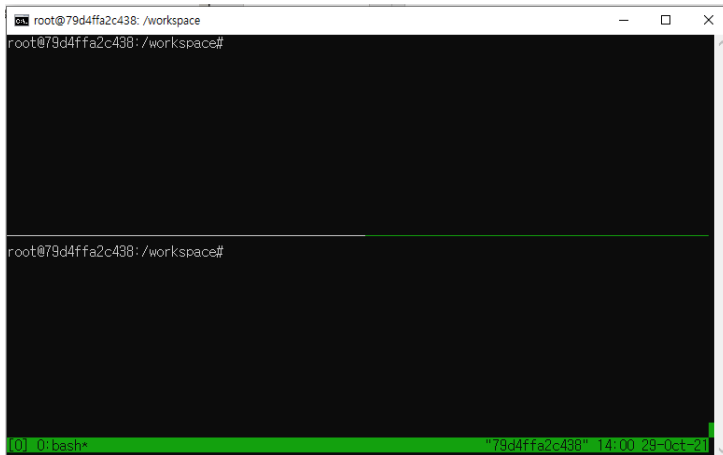


- [Ctrl] + b, % : 세로 화면 분할

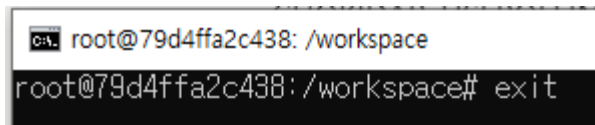


tmux

- [Ctrl] + b, “ : 가로 화면 분할



- [Ctrl] + b, <방향키> : 원하는 방향의 창으로 이동
- exit: 현재 창 닫기/tmux 종료



9주차 프로젝트 실행방법 – client 실행 창

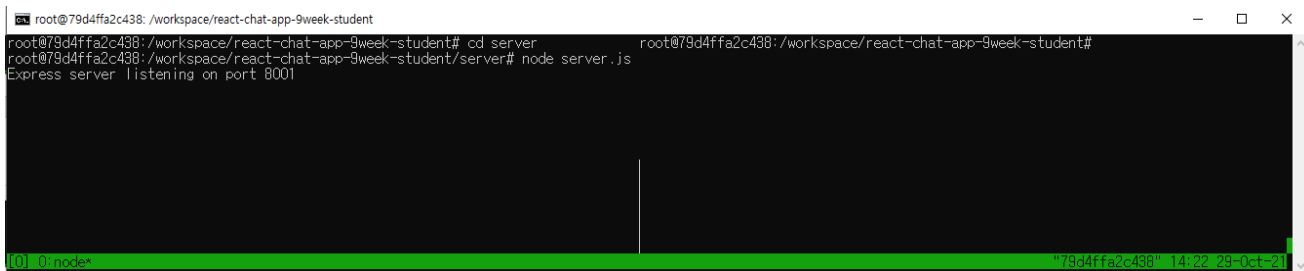
- web 폴더로 이동
- npm install 입력
- npm start 입력
- 그 후 프로젝트 재실행 시에는 npm start만 입력(npm install 입력 X)
- 웹 브라우저 주소창에 'localhost:3000' 입력하여 결과 화면 확인

```
root@79d4ffa2c438: /workspace/react-chat-app-9week-student
root@79d4ffa2c438: /workspace/react-chat-app-9week-student# cd server
root@79d4ffa2c438: /workspace/react-chat-app-9week-student/server# node server.js
Express server listening on port 8001
root@79d4ffa2c438: /workspace/react-chat-app-9week-student# cd web
root@79d4ffa2c438: /workspace/react-chat-app-9week-student/web# npm install
```

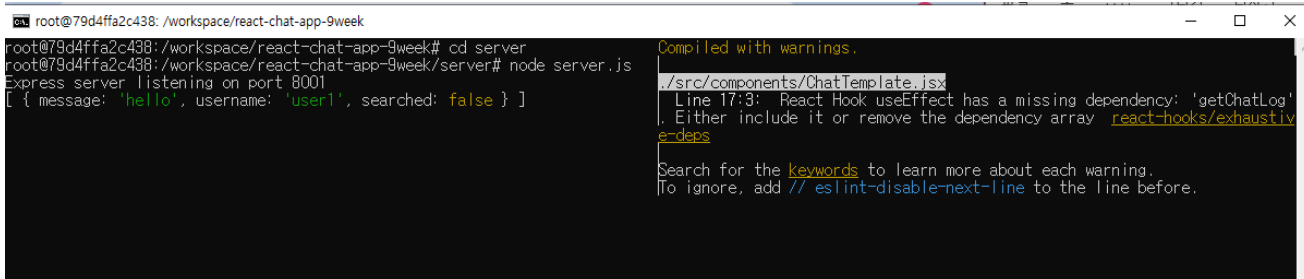
```
root@79d4ffa2c438: /workspace/react-chat-app-9week-student
root@79d4ffa2c438: /workspace/react-chat-app-9week-student# cd server
root@79d4ffa2c438: /workspace/react-chat-app-9week-student/server# node server.js
Express server listening on port 8001
root@79d4ffa2c438: /workspace/react-chat-app-9week-student/web# npm start
102 packages are looking for funding
  run `npm fund` for details
found 55 vulnerabilities (28 moderate, 26 high, 1 critical)
  run `npm audit fix` to fix them, or `npm audit` for details
> web@0.1.0 start /workspace/react-chat-app-9week-student/web
> react-scripts start
```

9주차 프로젝트 실행방법 – server 실행 창

- server 폴더로 이동
- node server.js 입력
- server 창에서 서버로 전송된 채팅 데이터 확인 가능



A terminal window with a dark background. The title bar reads 'root@79d4ffa2c438: /workspace/react-chat-app-9week-student'. The terminal shows the following commands and output:
root@79d4ffa2c438:/workspace/react-chat-app-9week-student# cd server
root@79d4ffa2c438:/workspace/react-chat-app-9week-student/server# node server.js
Express server listening on port 8001
At the bottom, a green status bar displays '[0] 0node*' and the timestamp '"79d4ffa2c438" 14:22:29-Oct-21'.



A terminal window with a dark background. The title bar reads 'root@79d4ffa2c438: /workspace/react-chat-app-9week'. The terminal shows the following commands and output:
root@79d4ffa2c438:/workspace/react-chat-app-9week# cd server
root@79d4ffa2c438:/workspace/react-chat-app-9week/server# node server.js
Express server listening on port 8001
[{ message: 'hello', username: 'user1', searched: false }]
To the right of the terminal output, a light-colored box contains the following text:
Compiled with warnings.
./src/components/ChatTemplate.jsx
Line 17:33: React Hook useEffect has a missing dependency: 'getChatLog'.
Either include it or remove the dependency array [react-hooks/exhaustive-deps](#)
Search for the [keywords](#) to learn more about each warning.
To ignore, add `// eslint-disable-next-line` to the line before.

네트워크 연결 상태 확인

- 서버에서 비정상적으로 프로그램이 종료될 경우 오류 발생할 수 있음 , 이 경우 직접 사용된 포트를 종료해주어야 함
- cmd/terminal에 다음과 같은 명령어 입력

`$ netstat -nap | grep :{포트번호}` : 특정 포트 검색(네트워크 상태 확인)

`$ fuser -k -n tcp {포트번호}` : 특정 포트 kill