

# 1. node - red 설치 및 실행

22.8.20

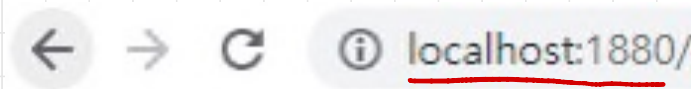
```
node-red
Microsoft Windows [Version 10.0.22000.856]
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C:\Users\H0509m>node-red
20 Aug 12:26:45 - info: Node-RED version: v3.0.2
20 Aug 12:26:45 - info: Node.js version: v16.17.0
20 Aug 12:26:45 - info: Windows_NT 10.0.22000 x64 LE
20 Aug 12:26:47 - info: Loading palette nodes
20 Aug 12:26:51 - info: Settings file : C:\Users\H0509m\.node-red\settings.js
20 Aug 12:26:51 - info: Context store : 'default' (module=memory)
20 Aug 12:26:51 - info: User directory : \Users\H0509m\.node-red
20 Aug 12:26:51 - [warn] Projects disabled : editorTheme.projects.enabled=false
20 Aug 12:26:51 - info: Flows file : \Users\H0509m\.node-red\flows.json
20 Aug 12:26:51 - [warn]

Your flow credentials file is encrypted using a system-generated key.

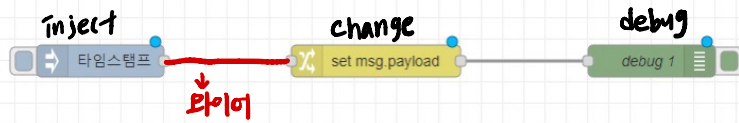
If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
```



실습 → change로 text 대입, 저장, 삭제

1. node 배면 후 와이어 연결



2-1. inject / chang node 속성 변경

Inject

Inject의 노드 수정

삭제 취소 완료

속성

이름 이름

msg.payload = 안녕하세요 HI

msg.topic = test

change

change의 노드 수정

삭제 취소 완료

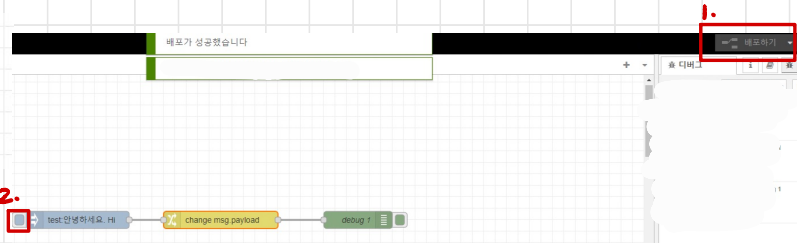
속성

이름 이름

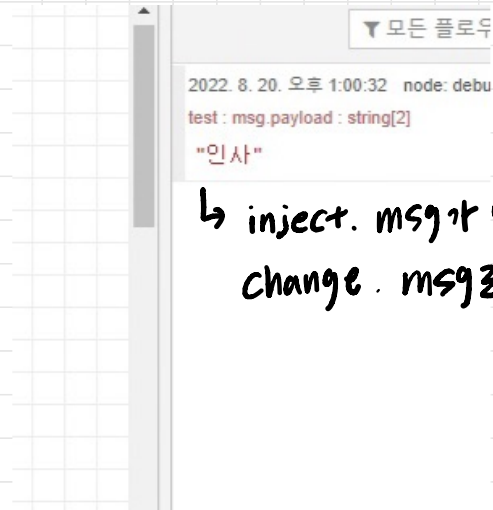
값의 대입 msg.payload

to the value 인사

3. 배포하기 후 inject 버튼 클릭

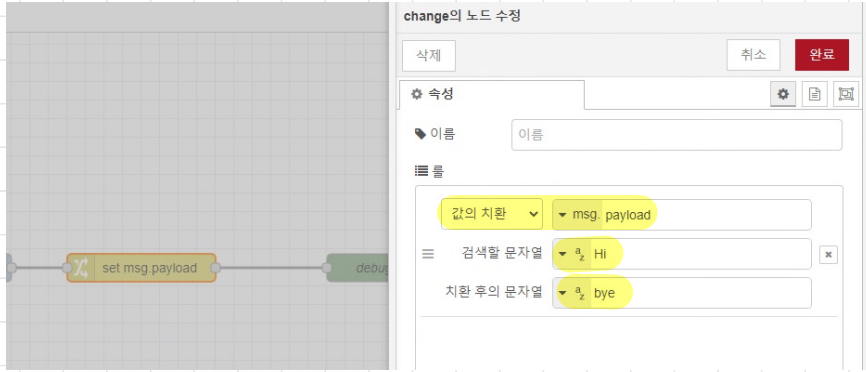


4. 실행 결과

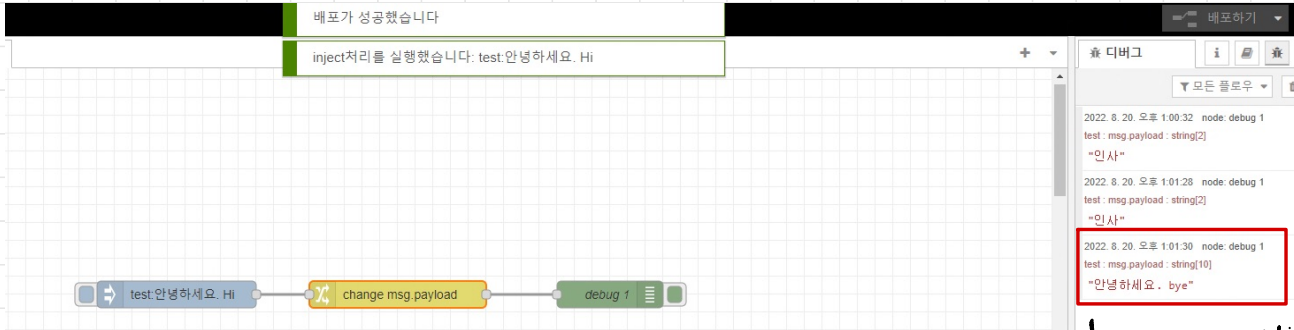


↳ inject. msg가 아닌  
change. msg로 출력

## 2-2. change 치환 속성 변경

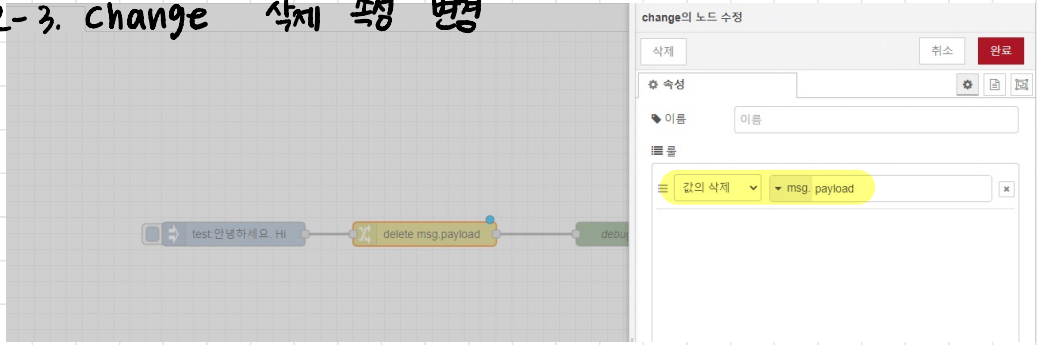


## 3. 실행 결과

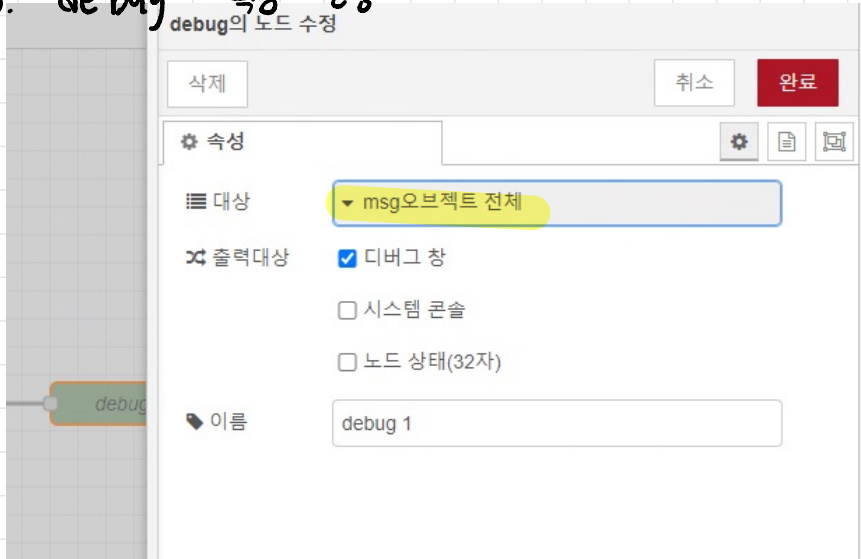


↳ inject에서 Hi → bye로 변경됨.

## 2-3. change 삭제 속성 변경



## 3. debug 속성 변경



## 4. 실행결과

