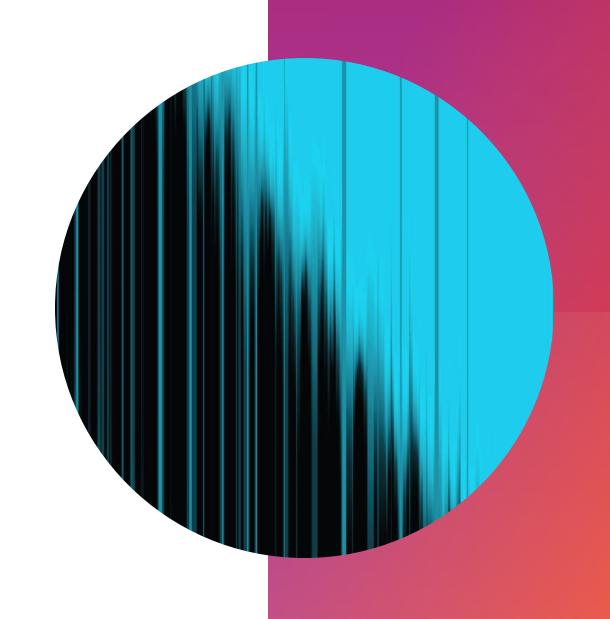
# HTTP Daemon

ONEM2M TINY IOT PROJECT

엄 경 호

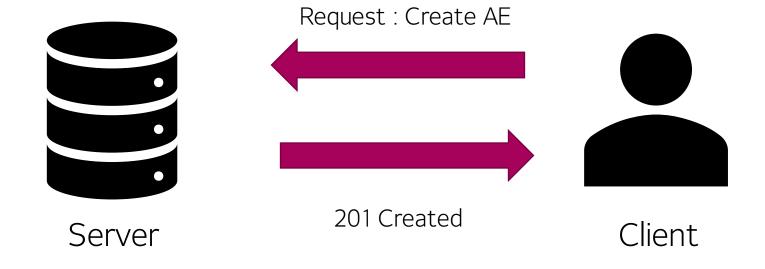


#### HTTP Daemon?

HTTPd is a sofware program that usually runs in the background, as a process, and plays the role of a server in a client-server model using the HTTP and/or HTTPS network protocol(s).

출처 - WIKIPEDIA

#### HTTP Daemon?



#### 지난 주 진행 상황

```
{
    "to": "Mobius",
    "fr": "TAE",
    "op": 1,
    "rqi": "1234",
    "pc": {
        "m2m:ae": {
            "rn": "tiny_ae_test",
            "api": " tinyProject",
            "rr": true
        }
    }
}
```



```
POST /Mobius HTTP/1.1

Host: localhost:7579

X-M2M-Origin: TAE

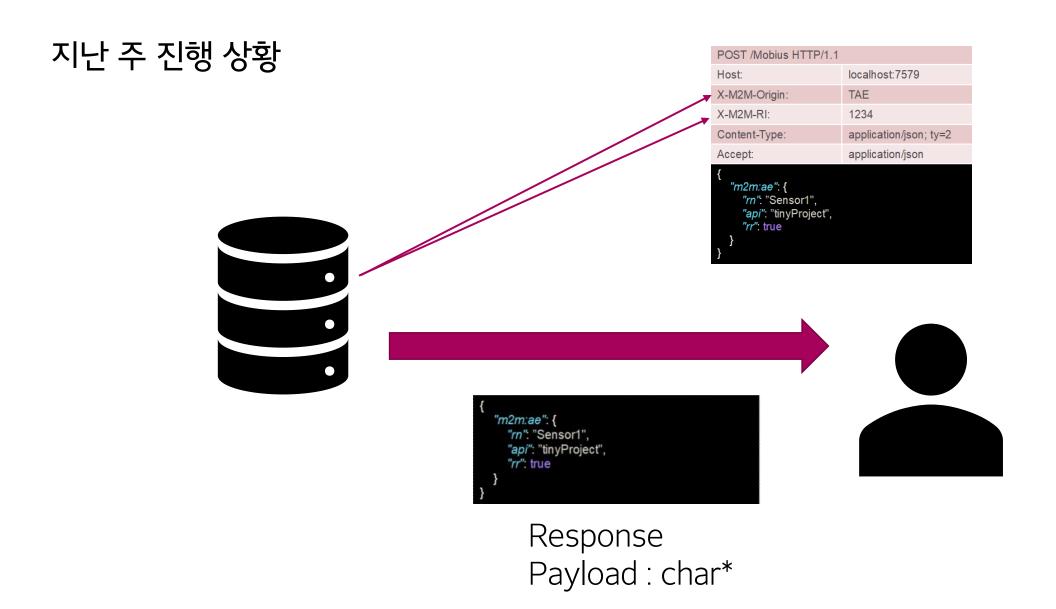
X-M2M-RI: 1234

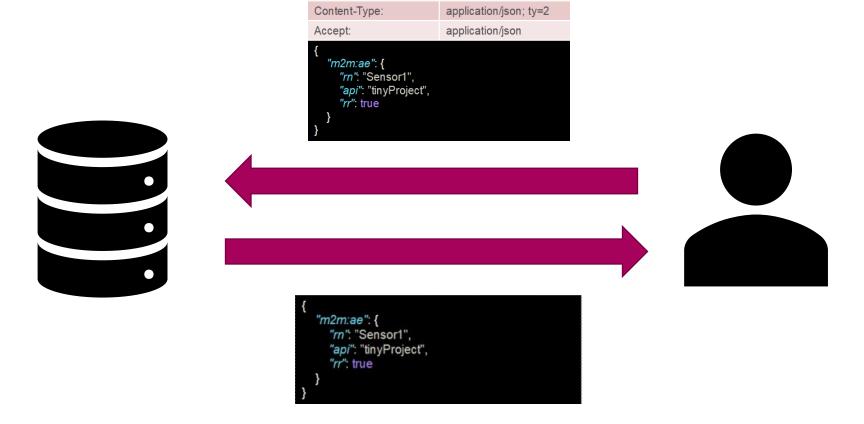
Content-Type: application/json; ty=2

Accept: application/json

{
    "m2m:ae": {
        "rn": "Sensor1",
        "api": "tinyProject",
        "rr": true
    }
}
```

"op": 1 -> Method, "fr": "TAE" -> X-M2M-Origin, "rqi": "1234" -> X-M2M-RI





localhost:7579

TAE 1234

POST /Mobius HTTP/1.1

Host:

X-M2M-Origin:

X-M2M-RI:

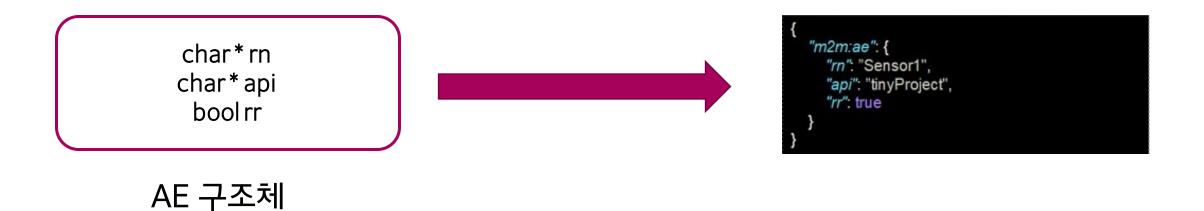
POST /Mobius HTTP/1.1	
Host:	localhost:7579
X-M2M-Origin:	TAE
X-M2M-RI:	1234
Content-Type:	application/json; ty=2
Accept:	application/json
{ "m2m:ae": {	
"rn": "Sensor1",	
<i>"api"</i> : "tinyProject", <i>"rr"</i> : true	
}	
1	

NULL, 공백, 개행 제거 후 Parsing By Json Parser

```
typedef struct {
         char ct[16];
char lt[16];
         char *pi;
         int ty;
} CSE;
typedef struct {
        char et[16];
char ct[16];
char lt[16];
         char *pi;
         char *api;
         char *aei;
         int ty;
         bool rr;
} AE;
typedef struct {
        char et[16];
char ct[16];
char lt[16];
         char *pi;
         int ty;
         int st;
         int cni;
         int cbs;
  Container;
typedef struct {
         char et[16];
char ct[16];
         char *pi;
         char *csi;
         char *con;
         int st;
  contentInstance;
AE* Create_AE(char *parsed_json);
```

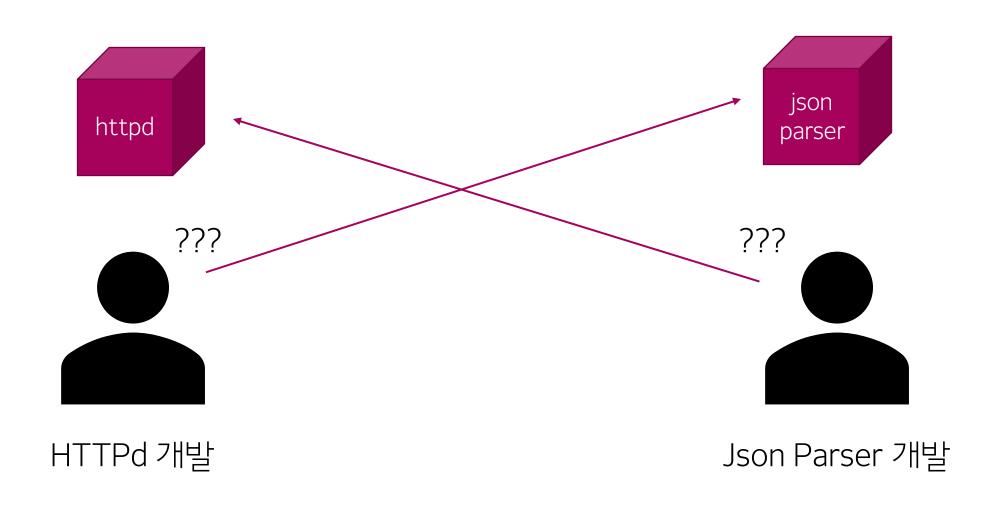


DB에서 제공 받은 자료

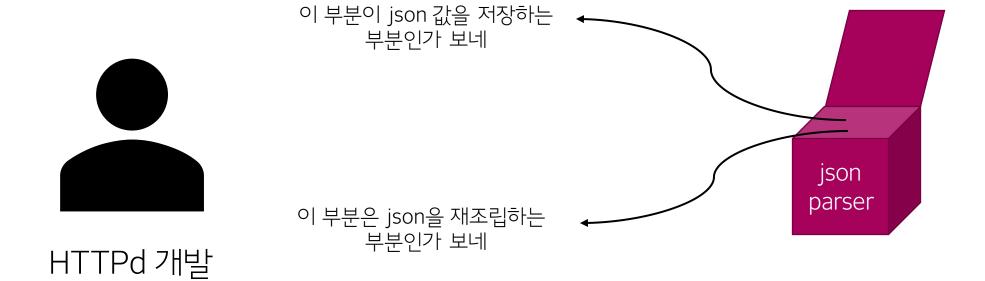


구조체를 다시 Json 형태로 재조립 By Json Parser

#### Json Parser 포함시키는 중 생긴 이슈

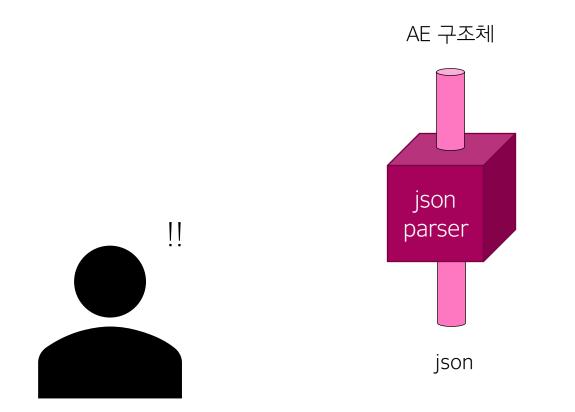


### Json Parser 포함시키는 중 생긴 이슈

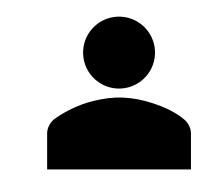


#### Json Parser 포함시키는 중 생긴 이슈

HTTPd 개발



"Input 은 AE 구조체, return은 구조체 값을 포함한 json입니다."



Json Parser 개발

Parameter 및 리턴 값 구조체로 통일하는 방향으로 협의