# Man in th Middle Team 5

B073040047 Chih-Hsuan Yang<sup>1</sup> M093040096 Tian-Lang Li M093040094 Wen-Tao Wang

January 14, 2022

## Open Source

### GitHub repository

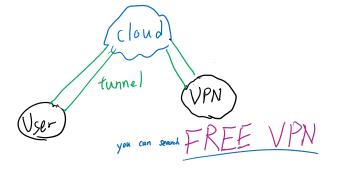
Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.



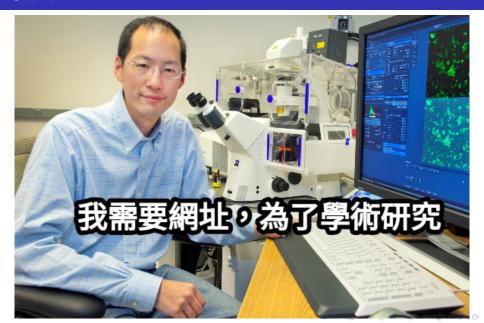
### Scenario



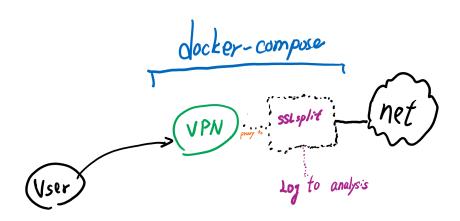


January 14, 2022

### Scenario



### Architecture



# Video Records

### **Vulnerabilities**

```
var pwdmask =
48
       /* NSYSUOCS begin OrOOKOXO[OKの現(O]OOOOOOOOOOOOSOKOX, OOOOS|OHOOO}) */
49
       // var md5kev = MD5(node.password.value):
50
       // var cvpkev = md5kev.substr(0.4) + node. Login kev.value.substr(0.4):
51
       var cypkey = node.login key.value.substr(0,8);
52
       /* NSYSU@@s begin end */
53
       node.encrypt pwd.value = stringToBase64(des(cypkey, node.password.value, 1));
54
55
       node.password.value = pwdmask.substr(0,node.password.value.length);
56
57
       return true;
  ▼<form method="post" action="/login.php" id="loginForm" name="loginForm" onsubmit="return formSubmit():" autocomplete="off">
     <input type="hidden" name="reurl" value>
     <input type="hidden" name="login key" value="304laad0ed4a952bf8e450lc1291188">
     <input type="hidden" name="encrypt pwd" value>
    ▶ <div id="loginBlockContainer">,,,</div> == $θ
    </form>
```

### Extra - CTF

- login\_key: 3041aad0ed4a952bf8e4501c1291188
- $\bullet \; encrypt\_pwd: \; SQNsTh2hn82RYnDMkn/7u3bIVO + u62p4 \\$

#### Hint

```
F = base_{64}^{-1}

G = DES^{-1}(3041aad0ed4a952bf8e4501c1291188)

Flag: G \circ F(encrypt\_pwd)
```

### **Future**

DNS pollution Hack you in silence Solution: Certificate pinning