

SSL???????????

????????????????

??

????SSL??????

- ??????
- ????????

????????????????????????????????

1.???????????????

- ????????????????

```
openssl x509 -pubkey -in /etc/certs/hoge.example.com.crt -noout | openssl md5
```

? (stdin)= []

/etc/certs/hoge.example.com.crt???SSL????????????

- ????????????????

```
openssl pkey -pubout -in /etc/private/hoge.example.com.key | openssl md5
```

? (stdin)= []

/etc/private/hoge.example.com.key???SSL????????????

????????????????????????????2????????????????????

2a.?????????????? (?????????????)

????????????????

- ????????????????

```
openssl x509 -issuer_hash -noout -in /etc/certs/hoge.example.com.crt
```

/etc/certs/hoge.example.com.crt???SSL????????????

- ????????????????

```
openssl x509 -subject_hash -noout -in /etc/certs/hoge.sample.com.CA.crt
```

/etc/certs/hoge.sample.com.CA.crt????SSL????????????????

??2??

2b.???????????????? (????????????????)

Let's Encrypt????????????????????

- ?????????????????

```
openssl x509 -issuer_hash -noout -in /etc/certs/hoge.example.com.crt
```

- ?????????????????

```
sed -n -e'1d' -e'/BEGIN/, $p' /etc/certs/hoge.example.com.crt | openssl x509 -subject_hash -noout
```

??2??