



IoT Core

Subscribe

Publish

CertificateRotator

## CSR request

```
_on_stream_event(  
  event["device/thingName/csr_req", ""]  
)
```

```
callback_message(  
  "device/thingName/csr_req",  
  ""  
)
```

```
create_csr()
```



New private key

```
publish_to_iot_core(  
  "device/thingName/csr_res",  
  "CSR"  
)
```

```
publish_to_topic(  
  "device/thingName/csr_res",  
  "CSR"  
)
```



CSR

## Certificate rotation

```
_on_stream_event(  
  event["device/thingName/crt", "certPEM"]  
)
```

```
callback_message(  
  "device/thingName/crt",  
  "certPEM"  
)
```

```
rotate_certificate("certPEM")
```



New certificate

```
publish_to_iot_core(  
  "device/thingName/crt_ack",  
  ""  
)
```

```
publish_to_topic(  
  "device/thingName/crt_ack",  
  ""  
)
```

Restart



Greengrass core