AWS????????InterSystems IRIS??????????????(https)????

??
[Tomohiro Iwamoto](#) · 2020?8?13?

7m read

AWS???????InterSystems IRIS??????????????(https)????

???????

InterSystems IRIS????????????????????????http??
??????????????
????AWS???????IRIS???????(??????REST????)???????????????????????????????

??????????????IRIS?????apache??
??

??????????????????SSL???
??????????????????????????
- ????(??????????)
- ??????????????(??????????)

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

???PC??	O/S	Windows10
	????	Chrome/FireFox/Edge
	IDE	vscode+ObjectScript??
	????PC??????????	8888
	EC2?????????????????????	aws-secret.pem

AWS??	IRIS??????????	ec2-54-250-169-xxx.ap-n
	IRIS???????????	52773
	O/S	Ubuntu 18.04LTS
	O/S????	ubuntu

??????

1) ?????????????

???????????
???????????SSH?????(22)???????????????????????????????

```
C:\Users\xxxx>ssh -i aws-secret.pem -L 8888:localhost:52773 ubuntu@ec2-54-250-169-xxx
.ap-northeast-1.compute.amazonaws.com
```

????????????SSH?????PC????IRIS????

http://localhost:8888/csp/sys/%25CSP.Portal.Home.zen

??????????
ssh??????????????????????????????(IRIS???????IRIS????????)????????
??????????????????(51773)?????????Studio??????????????????

??)Windows????ssh?????(aws-secret.pem)?%USERPROFILE%\?????????????????

```
C:\Users\xxxx>dir %USERPROFILE%\aws-secret.pem
2020/07/14  17:10              1,692 aws-secret.pem
               1 ?????              1,692 ???
               0 ????????  108,323,176,448 ????????
```

vscode???(settings.json)?????????????

```
{
    "objectscript.conn": {
        "host": "localhost",
        "https": false,
        "port": 8888,
        "ns": "USER",
        "username": "xxx",
        "password": "xxx",
        "active": true
    }
}
```

2) SSL??????Reverse Proxy???

IRIS??????????????apache?nginx?ReverseProxy?????????
????????????HTTPS?????(443)???????????????????????????

apache??nginx???????????????????????????????????IRIS????

https://ec2-54-250-169-xxx.ap-northeast-1.compute.amazonaws.com/csp/sys/...

??????????

vscode???(settings.json)?????????????

```
{
    "objectscript.conn": {
        "host": "ec2-54-250-169-xxx.ap-northeast-1.compute.amazonaws.com",
        "https": true,
        "port": 443,
        "ns": "USER",
```

```
        "username": "xxx",
        "password": "xxx",
        "active": true
    }
}
```

????????

??????????????????????EC2???????SSH?HTTPS????????????????????????????????(Bastion Host)????????????????????????????????????
??????????????????IRIS?????TCP??????????????????????????

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

AWS??	IRIS??????????		??
	IRIS??????IP????		10.0.1.81
	?????????????		ec2-54-250-169-yyy.ap-n

1) ??????????????

????????????SSH?????(22)?????????????????????????????????

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

```
C:\Users\xxxx>ssh -i aws-secret.pem -L 8888:10.0.1.81:52773 ubuntu@ec2-54-250-169-yyy
.ap-northeast-1.compute.amazonaws.co
```

????????

2) SSL??????Reverse Proxy???

????????????HTTPS?????(443)???????????????????????????????
???????????????????
[????URL?IRIS??????IP????:10.0.1.81???????](#)

```
ProxyRequests Off
ProxyPass / http://10.0.1.81:52773/
ProxyPassReverse / http://10.0.1.81:52773/
```

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

AWS/ALB??

??????????????????AWS/ALB???????????????????????????ALB??SSL?????????SSL?????apache?????????????

ALB?????????2??AZ?????????????ICM(InterSystems Cloud Manager)???DM(2?)?MIRROR:true???????????????
(ICM??????[icm?????IRIS????????????](#)???????)

default.json (??)

```
{
  "Zone": "ap-northeast-1a,ap-northeast-1c",
  "Mirror": "true",
}
```

definitions.json

```
[
    {
        "Role": "DM",
        "Count": "2",
        "MirrorMap": "primary,backup",
        "ZoneMap": "0,1"
    }
]
```


setup.sh??????????????????
?????????ACM(Certificate Manager)??????????
?????:server.crt???
????????????:server.key???
???????:inca.pem???

??)awscli??????????setup.sh?????????????????????????

?????ALB?????????

?? 1: ???????????
??:??
????:?????????
IP ???????:ipv4
????:https(port:443)
????????????:ap-northeast-1a,ap-northeast-1c

?? 2: ???????????
????????????:ACM ??????????
??????:(???ACM??????????????)

?? 3: ?????????????
????????????:?????????????????https(port:443)??????

?? 4: ?????????
?????????:???????????
??:??
????????:??????
?????:http
???:52773

???????

?????:http
??:/csp/bin/mirror_status.cxw
???????????
???:????52773

?? 5: ????????
???????EC2??????????????

????ALB????active?????ALB?DNS?????https??????????????

        https://[DNS?]/csp/sys/exp/%25CSP.UI.Portal.SQL.Home.zen

#AWS #?????? #?????? #???? #InterSystems IRIS #InterSystems IRIS for Health
  10   1   0   0   170

   Log in or sign up to continue
???????

  ???URL: https://jp.community.intersystems.com/post/aws%E4%B8%8A%E3%81%AB%E3%81%A6%E7%A8%B
C%E5%83%8D%E4%B8%AD%E3%81%AEintersystems-iris%E3%81%AE%E7%AE%A1%E7%90%86%E3%83%
9D%E3%83%BC%E3%82%BF%E3%83%AB%E3%81%A8%E3%81%AE%E9%80%9A%E4%BF%A1%E3%82%9
2%E6%9A%97%E5%8F%B7%E5%8C%96https%E3%81%99%E3%82%8B%E6%96%B9%E6%B3%95