**HTTPS集成方案**

# 一、需求

由于1.2支持AD认证，登录接口密码直接传明文，所以必须走HTTPS,。但只要求前端到后台服务之间的链路走HTTPS. 后台服务之前可采用HTTP方式（更高效）

# 二、现状

配置IP地址的有三个地方

1. ipconfig.xml linux
2. publicSetting.xml linux
3. publicSetting.ini windows

从ipconfig.xml里无法取得当前是HTTP,还是HTTPS, 并且各应用的端口也没有配置。

# 三、处理办法

因此建议采用如下方式：

各应用端根据当前系统从publicSetting.ini 或者 publicSetting.xml 读取其他应用的地址

\*\*注意：之前的这文件文件里应用地址没有http://

## 1）应用开发相关工作

以前的配置是IP:PORT,以前我们的代码是在这之前加上了http://

为了兼容之前的配置，我们的处理逻辑建议为，

1）如果配置的地址以http打头，那就直接使用配置地址；

2）如果配置的地址没有http打头，那么在地址的前面加上http:// (默认采用http方式)

## 2）系统安装部署工作

以下三个文件，需要各位根据HTTP, HTTPS产生不同的文件

具体端口列表，请查看第二个附件

|  |  |  |
| --- | --- | --- |
| 文件 | Owner | 说明 |
| publicSetting.ini | 肖扬 | 需要根据HTTP/ HTTPS产生不生的端口 |
| publicSetting.xml | 何海强 | 需要根据HTTP/ HTTPS产生不生的端口 |
| Nginx文件处理 | 阙萌 | /etc/nginx/nginx.d/websockets.upstream里面的地址改成windows cm server的地址 |
| CM,JOVE里JS文件里路径替换 | 阙萌 | 需要根据HTTP/ HTTPS产生不生的端口 |

## 3）公共发布件

1）haproxy 配置文件 （HIVE已经发）

2）证书文件hive\_cert.pem （hive已经发）

3）websockets支持

a)start

b)copy 到三节点/etc/nginx/nginx.d

c)修改websockets.upstream

*upstream appserver {*

*server 172.16.134.20:3130; # appserver\_ip:ws\_port*

*}*

把里面的IP改成windows cm server的IP

c)cd /usr/sbin

d).nginx –s reload

注意

CMWEB的websocket JS配置需要改为wss://172.16.168.201:9600; wss://172.16.168.202:9600; wss://172.16.168.203:9600;

Premierer的websocket JS配置需要改为wss://172.16.168.201:9600; wss://172.16.168.202:9600; wss://172.16.168.203:9600;

## 4）地址样例如下

|  |  |  |
| --- | --- | --- |
| 文件 | HTTP | HTTPS |
| publicSetting.ini | [SYSTEM]  VIP=172.16.168.205  CMServer=http://172.16.168.205:9023 | [SYSTEM]  VIP=172.16.168.205  CMServer=https://172.16.168.205:9123 |
| publicSetting.xml | <Sys\_VIP>172.16.168.205</Sys\_VIP>  <CMServer>http://172.16.168.205:9023</CMServer>  <CMweb> http://172.16.168.205:9021</CMweb>  <Fls> http://172.16.168.205:9031</Fls>  <FLSvr> http://172.16.168.205:9033</FLSvr>  <Jove> http://172.16.168.205:9027</Jove> | <Sys\_VIP>172.16.168.205</Sys\_VIP>  <CMServer>https://172.16.168.205:9123</CMServer>  <CMweb> https://172.16.168.205:9125</CMweb>  <Fls> https://172.16.168.205:9131</Fls>  <FLSvr> https://172.16.168.205:9133</FLSvr>  <Jove> https://172.16.168.205:9127</Jove> |

# 四、HTTPS支持情况状态

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 模块 | HTTP | HTTPS | 负责人 | 状态 |
| HIVE |  | <https://172.16.168.205:85> |  | OK |
| CMAPI WINDOWS | <http://172.16.168.205:9037> | <https://172.16.168.205:9137> | 王富贵 | OK |
| CMAPI LINUX | <http://172.16.168.205:9023> | <https://172.16.168.205:9123> | 王富贵 | OK |
| CMWEB | <http://172.16.168.205:9021> | <https://172.16.168.205:9125> | 肖扬、张兴亮 | 正在验证 |
| JOVE | <http://172.16.168.205:9027> | <https://172.16.168.205:9127> | 何德鹏 | 正在验证 |
| PLS | <http://172.16.168.205:9035> | <https://172.16.168.205:9135> | 王富贵 | OK |
| TASK MONITOR Service | <http://172.16.168.205:9047> | <https://172.16.168.205:9147> | 王富贵 | OK |
| TASK MONITOR Web | <http://172.16.168.205:9049> | <https://172.16.168.205:9149> | 王富贵 | OK |
| FL | <http://172.16.168.205:9033> | <https://172.16.168.205:9133> | 王富贵 | OK |
| OTC | <http://172.16.168.205:9045> | <https://172.16.168.205:9145> | 王富贵 | OK |
| 收录 |  |  | 郝勇 | 正在研究 |
| 播出 |  |  | 王磊 | 正在研究 |

# 五、附：之前的三个配置文件

**Ipconfig.xml**

<?xml version="1.0" encoding="UTF-8"?>

<config>

*<NEBULA\_VIP showname="Hive集群虚拟IP">172.16.168.205</NEBULA\_VIP>*

<LOCAL\_IP showname="本机IP">172.16.168.202</LOCAL\_IP>

<LOCAL\_HOSTNAME showname="本机名">hivenode02</LOCAL\_HOSTNAME>

<DOMAIN\_NAME showname="Hive域名">hive.sobey.com</DOMAIN\_NAME>

<HIVE\_NODES showname="Hive集群列表">hivenode01</HIVE\_NODES>

<AKSERVER\_IP showname="AK服务器地址">172.16.128.134</AKSERVER\_IP>

<ACTOR\_NODES showname="后台执行器节点">172.16.128.136</ACTOR\_NODES>

</config>

**PublicSetting.ini**

[SYSTEM]

VIP=172.16.168.205

CMServer=172.16.168.205:9023

[INGESTDB]

PORT=3307

DATABASE=ingestdb

UID=ingestdba

PWD=sobeydba

[PLAYOUTDB]

PORT=3307

DATABASE=0887475e

UID=4ac98673

PWD=35e211c9

[PLATDB]

PORT=3307

DATABASE=platdb

UID=platdba

PWD=sobeydba

[FLDB]

PORT=3307

DATABASE=fldb

UID=fldba

PWD=sobeydba

[CMDB]

PORT=3307

DATABASE=mldb

UID=mldba

PWD=sobeydba

**publicsetting.xml**

<?xml version="1.0" encoding="UTF-8"?>

<PublicSetting>

<System>

<Sys\_VIP>172.16.168.205</Sys\_VIP>

<CMServer>172.16.168.205:9023</CMServer>

<CMserver\_windows>172.16.168.205:9037</CMserver\_windows>

<CMweb>172.16.168.205:9021</CMweb>

<Fls>172.16.168.205:9031</Fls>

<FLSvr>172.16.168.205:9033</FLSvr>

<Jove>172.16.168.205:9027</Jove>

<PLS\_Windows>172.16.168.205:9035</PLS\_Windows>

<IngestDBSvr>172.16.168.205:9025</IngestDBSvr>

<IngestDEVCTL>172.16.168.205:9039</IngestDEVCTL>

<IngestTaskSvr>172.16.168.205:9041</IngestTaskSvr>

<IngestMsgSvr>172.16.168.205:9043</IngestMsgSvr>

<Otc>172.16.168.205:9045</Otc>

<SangHa>172.16.168.205:4505</SangHa>

<SangHaSvr>172.16.168.205:9047</SangHaSvr>

<SangHaWeb>172.16.168.205:9049</SangHaWeb>

<SNSServer>172.16.168.205:9053</SNSServer>

</System>

<DBConfig>

<DatabaseConfig module="INGESTDB">

<Instance>ingestDb</Instance>

<Username>sdba</Username>

<Password>sdba</Password>

<Port>3307</Port>

</DatabaseConfig>

<DatabaseConfig module="PLAYOUTDB">

<Instance>playoutdb</Instance>

<Username>playoutdba</Username>

<Password>sobeydba</Password>

<Port>3307</Port>

</DatabaseConfig>

<DatabaseConfig module="PLATDB">

<Instance>platdb</Instance>

<Username>platdba</Username>

<Password>sobeydba</Password>

<Port>3307</Port>

</DatabaseConfig>

<DatabaseConfig module="FLDB">

<Instance>fldb</Instance>

<Username>fldba</Username>

<Password>sobeydba</Password>

<Port>3307</Port>

</DatabaseConfig>

<DatabaseConfig module="CMDB">

<Instance>mldb</Instance>

<Username>mldba</Username>

<Password>sobeydba</Password>

<Port>3307</Port>

</DatabaseConfig>

</DBConfig>

</PublicSetting>