

### 组网及说明

本案例使用S3110交换机部署hwtacacs, 与IMC TAM进行联动, 达到安全管理设备的效果。  
IMC版本为PLAT 7.3 E0506P03

S3110版本信息如下:

H3C Comware Platform Software

Comware Software, Version 5.20.99, Release 1106

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H3C S3110-26TP uptime is 0 week, 0 day, 2 hours, 50 minutes

H3C S3110-26TP

128M bytes DRAM

32M bytes Flash Memory

Config Register points to Flash

Hardware Version is REV.A

Bootrom Version is 110

[SubSlot 0] 24FE+2GE Combo Hardware Version is REV.A

### 配置步骤

IMC TAM部署有如下要点:

1、授权场景条件:

设备区域管理、设备类型管理、授权时段策略管理

2、授权命令配置:

Shell profile配置、命令集配置

3、设备管理:

配置共享密钥、绑定设备区域、绑定设备类型

4、添加用户名、密码

交换机部署hwtacacs

### 配置关键点

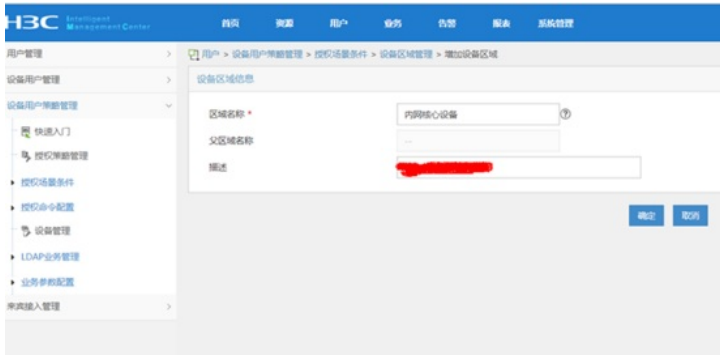
配置“授权场景条件”



添加“设备区域管理”



设置“区域名称”



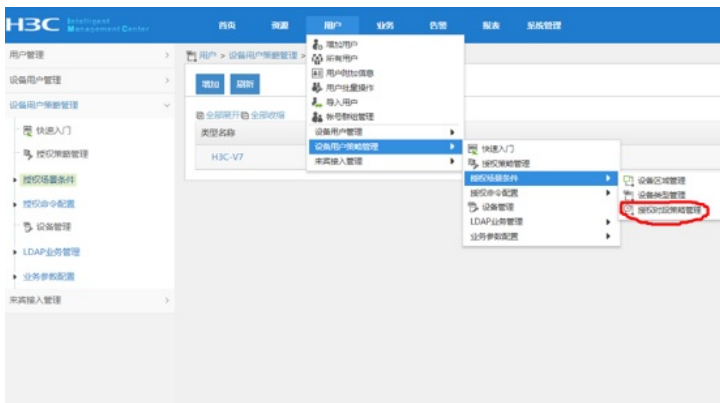
设置“设备类型管理”



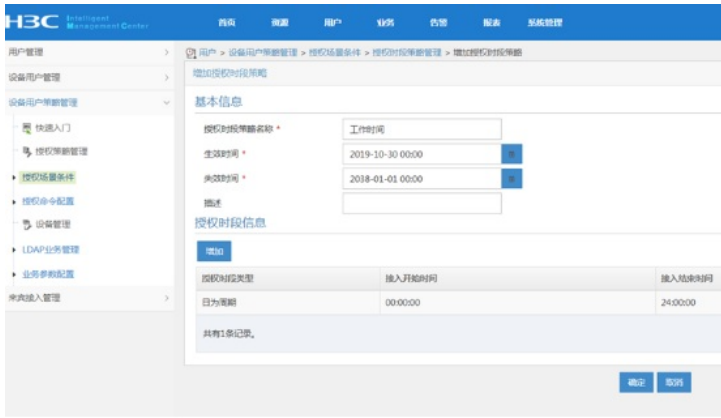
增加



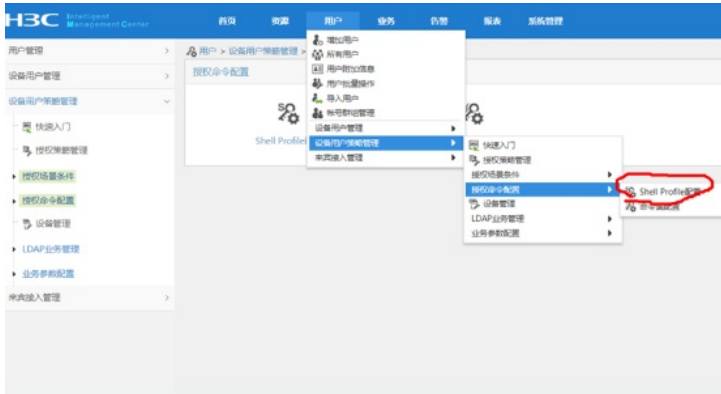
设置“授权时段策略管理”



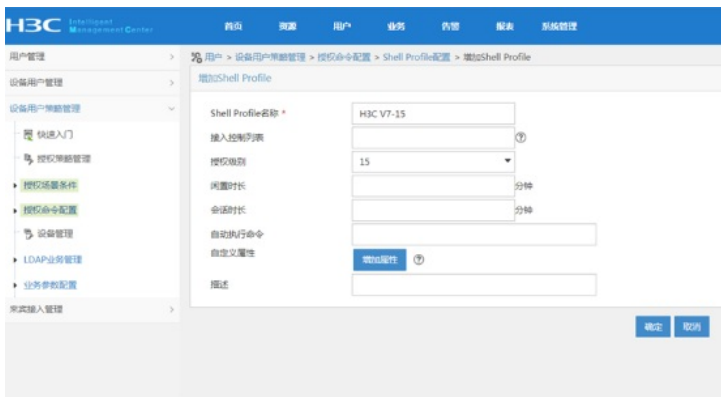
增加，设置“授权时段策略名称”、“生效时间”、“失效时间”



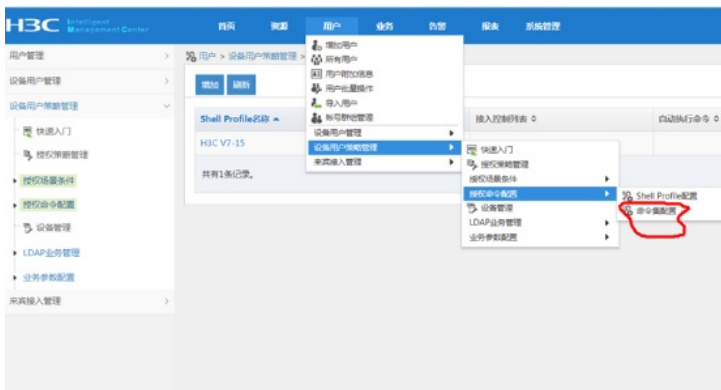
设置“授权命令配置”-“shell profile配置”



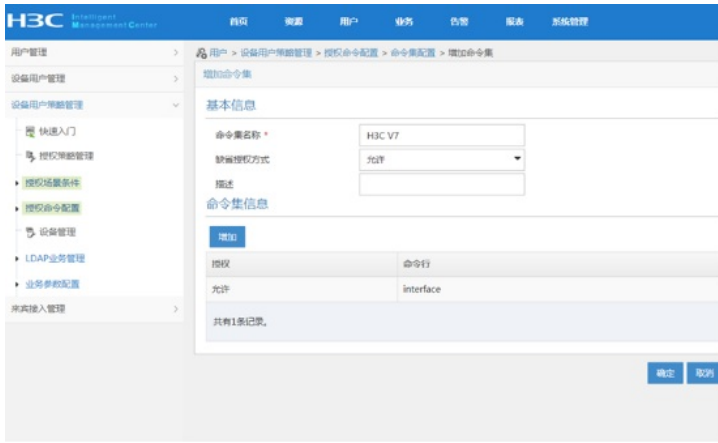
设置“shell profile名称”-“授权级别”



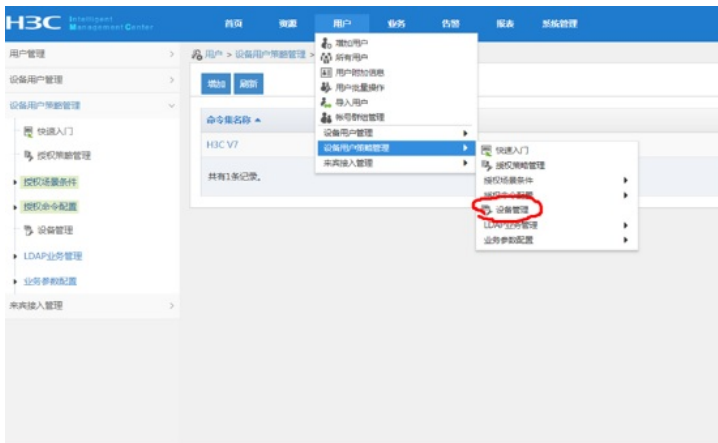
设置“命令集配置”



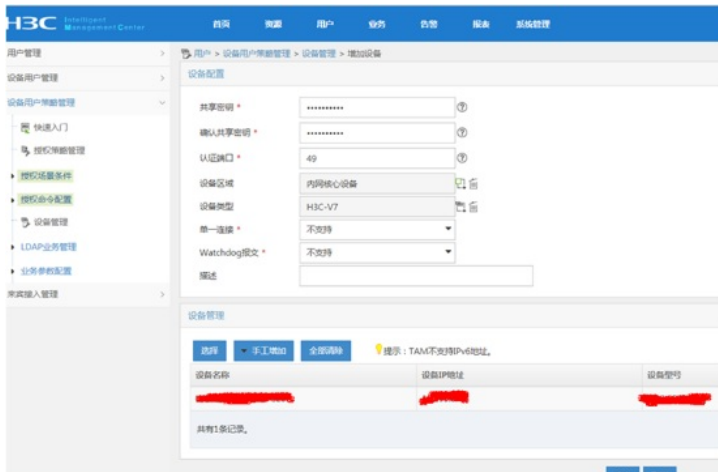
设置“命令集名称”、“缺省授权方式”



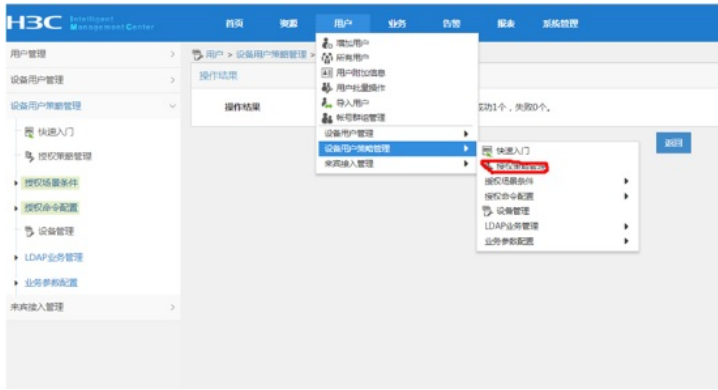
配置“设备管理”



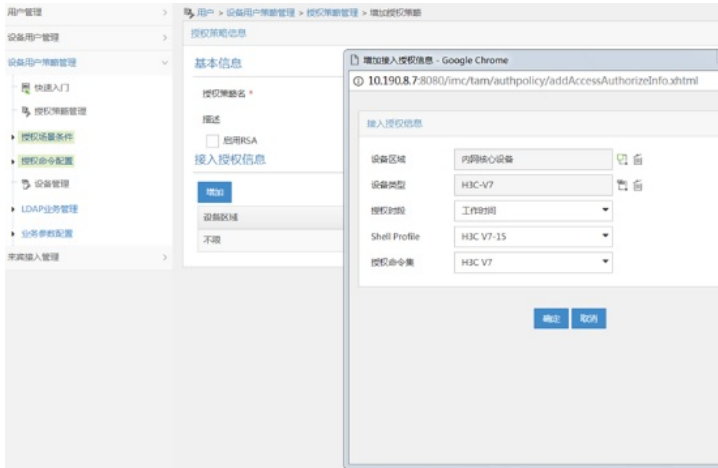
增加设备，设置“共享密钥”、“确认共享密钥”，绑定“设备区域”、“设备类型”



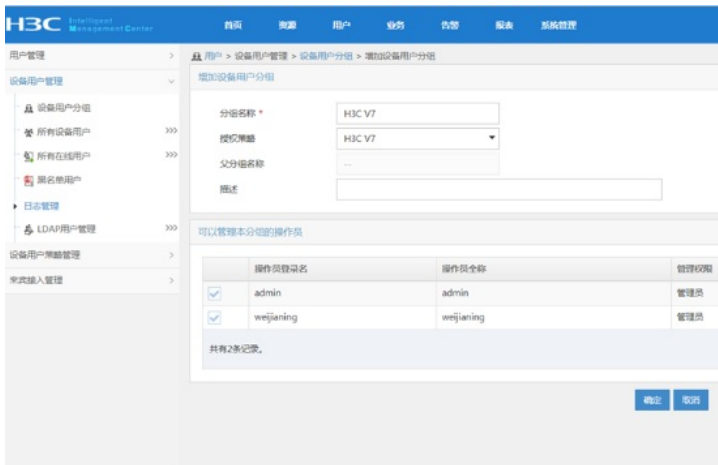
## 配置“授权管理”



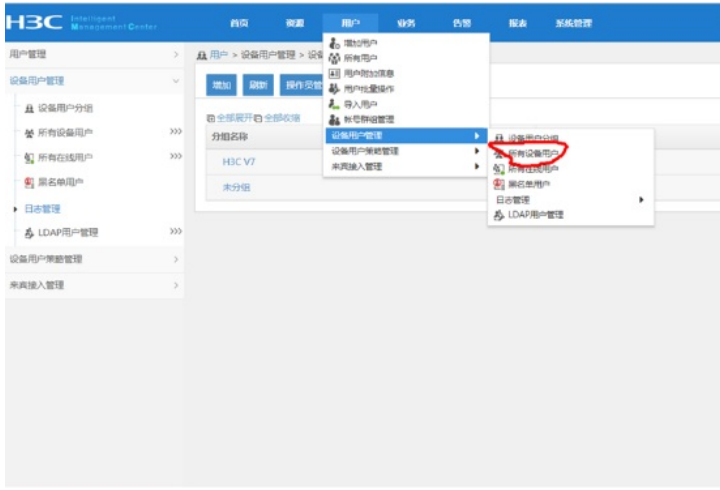
## 绑定“设备区域”-“设备类型”-“授权时段”-“shell profile”-“授权命令集”



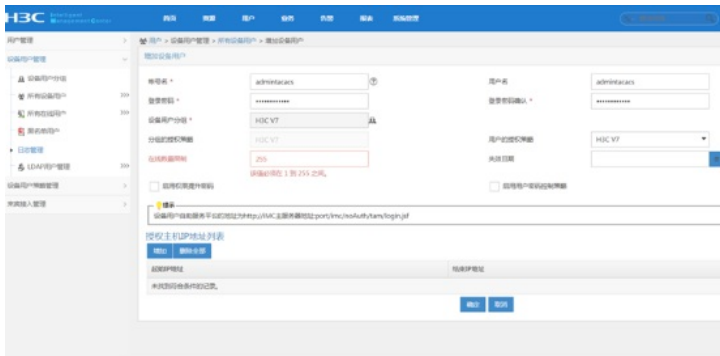
## 配置“用户设备分组”，设置“分组名称”-“授权策略”



## 设置“设备用户管理”-“所有设备用户”



设置“账号名”、“登陆密码”、“登陆密码确认”、“设备用户分组”、“用户的授权策略”



S3110 hwtacacs部署:

```
hwtacacs scheme shebeiguanli
primary authentication 10.190.8.7
primary authorization 10.190.8.7
primary accounting 10.190.8.7
key authentication nnhwtacacs
key authorization nnhwtacacs
key accounting nnhwtacacs
user-name-format without-domain
nas-ip 10.190.232.67
```

```
domain tamdm
authentication login hwtacacs-scheme shebeiguanli local
authorization login hwtacacs-scheme shebeiguanli local
accounting login hwtacacs-scheme shebeiguanli local
authorization command hwtacacs-scheme shebeiguanli local
accounting optional
quit
```

```
local-user admin
service-type terminal ssh
quit
```

```
user-interface vty 0 15
authentication-mode scheme
command accounting
command authorization
quit
```

查看hwtacacs显示信息:

dis hwtacacs

```
-----  
HWTACACS-server template name   : shebeiguanli  
Primary-authentication-server   : 10.190.8.7:49  
Primary-authorization-server    : 10.190.8.7:49  
Primary-accounting-server       : 10.190.8.7:49  
Secondary-authentication-server  : 0.0.0.0:0  
Secondary-authorization-server   : 0.0.0.0:0  
Secondary-accounting-server      : 0.0.0.0:0  
Current-authentication-server    : 10.190.8.7:49  
Current-authorization-server    : 10.190.8.7:49  
Current-accounting-server       : 10.190.8.7:49  
Nas-IP address                  : 10.190.232.67  
key authentication               : *****  
key authorization                : *****  
key accounting                   : *****  
Nas-IP address                  : 10.190.232.67  
Quiet-interval(min)             : 5  
Realtime-accounting-interval(min) : 12  
Response-timeout-interval(sec)   : 5  
Acct-stop-PKT retransmit times   : 100  
Username format                  : without-domain  
Data traffic-unit                : B  
Packet traffic-unit              : one-packet  
-----
```

Total 1 HWTACACS scheme(s).

查看domain的显示信息:

dis domain tamdm

```
Domain: tamdm  
State: Active  
Access-limit: Disabled  
Accounting method: Optional  
Default authentication scheme   : local  
Default authorization scheme    : local  
Default accounting scheme       : local  
Login authentication scheme     : hwtacacs:shebeiguanli, local  
Login authorization scheme      : hwtacacs:shebeiguanli, local  
Login accounting scheme         : hwtacacs:shebeiguanli, local  
Command authorization scheme   : hwtacacs:shebeiguanli, local  
Domain User Template:  
Idle-cut : Disabled  
Self-service : Disabled  
Authorization attributes:
```

至此，S3110交换机hwtacacs典型组网配置案例已完成！