S3600 hwtacacs典型组网配置案例（IMC部署TAM作为tacacs服务器）

Tacacs 韦家宁 2020-05-20 发表

组网及说明

本案例使用S3600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

S3600版本信息如下：
H3C Comware Platform Software
Comware Software, Version 5.20, Release 2112

H3C S3600V2-28TP-EI uptime is 0 week, 4 days, 21 hours, 25 minutes

H3C S3600V2-28TP-EI with 1 Processor
256M bytes SDRAM
2M bytes Nor Flash Memory
128M bytes Nand Flash Memory
Config Register points to Nand Flash

Hardware Version is Ver.A
CPLD Version is 001
BootRom Version is 133
[SubSlot 0] 24FE+4SFP+2Combo GE Hardware Version is Ver.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

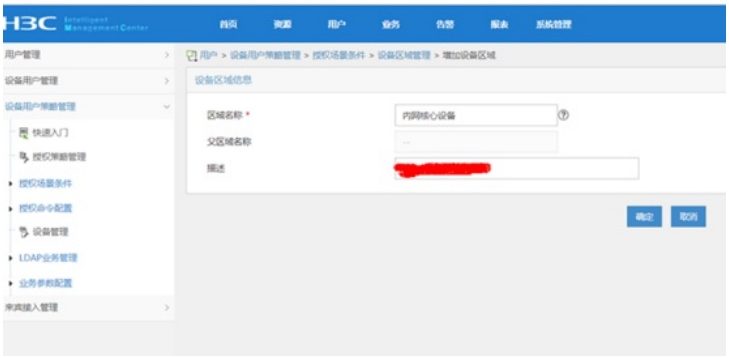
交换机部署hwtacacs

配置关键点

配置“授权场景条件”

添加“设备区域管理”

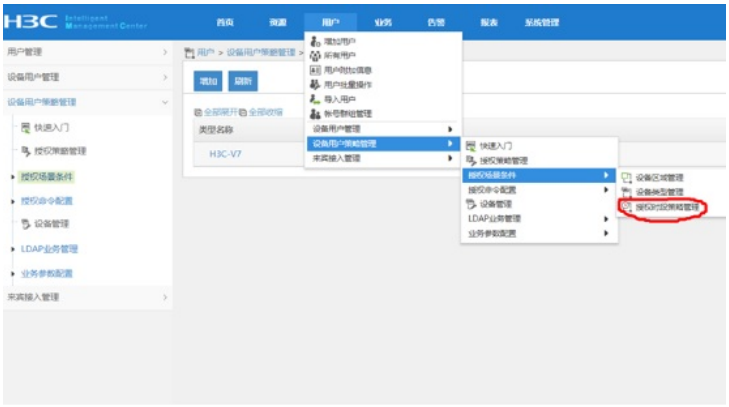
设置“区域名称”



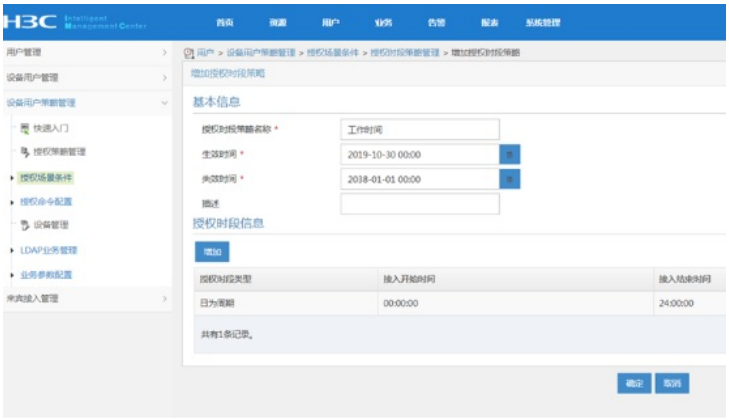
设置“设备类型管理”

增加

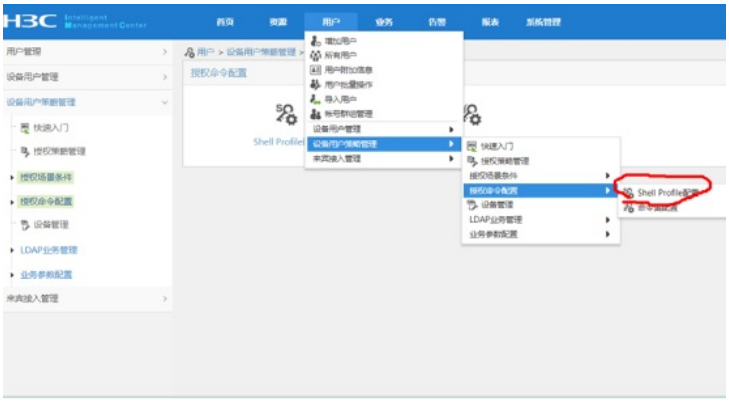
设置“授权时段策略管理”



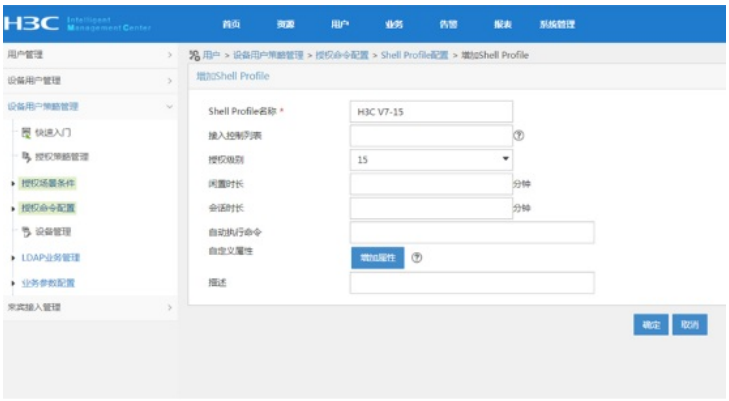
增加，设置“授权时段策略名称”、“生效时间”、“失效时间”



设置“授权命令配置”-“shell profile配置”

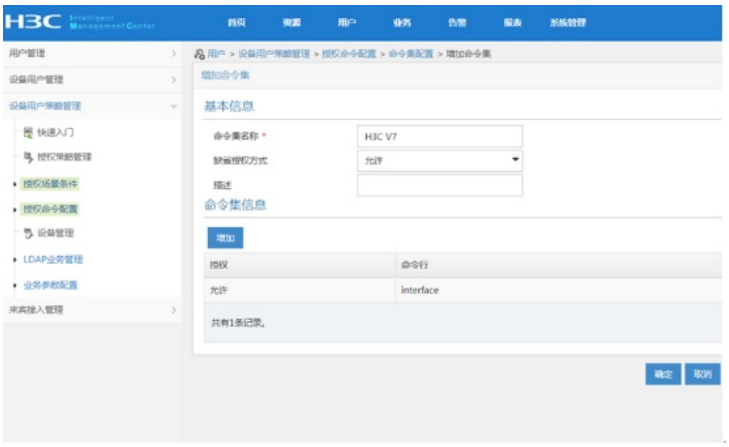


设置“shell profile名称”-“授权级别”

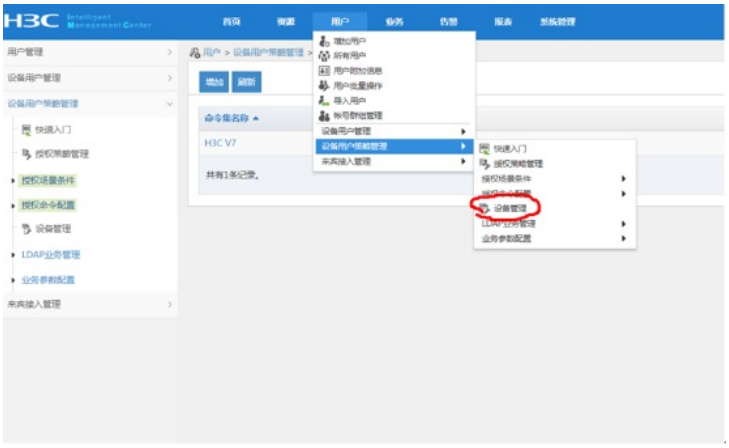


设置“命令集配置”

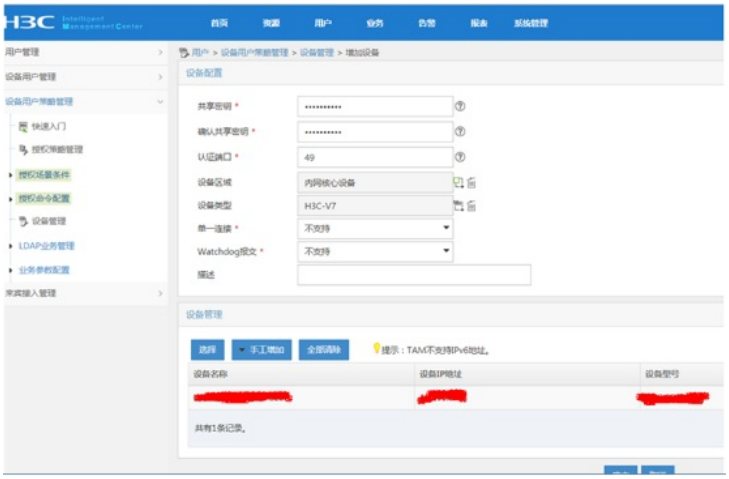
设置“命令集名称”、“缺省授权方式”



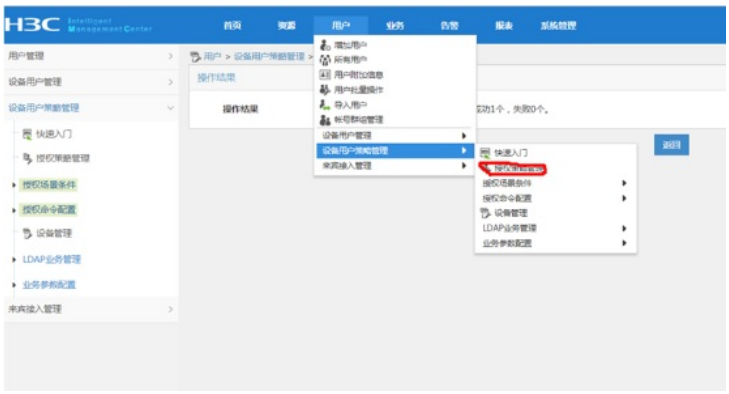
配置“设备管理”



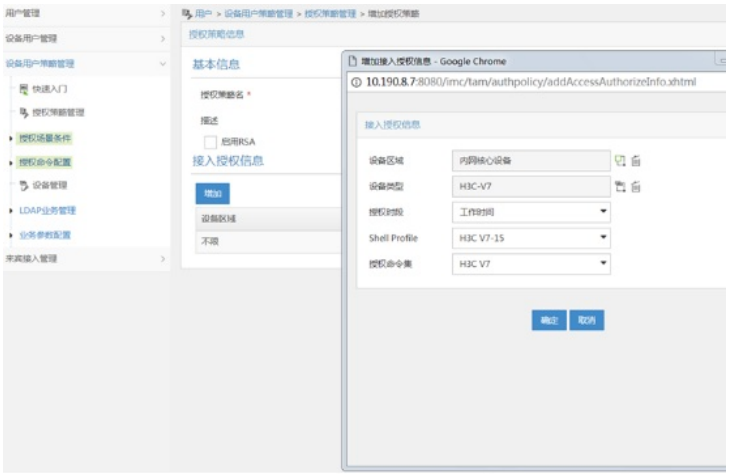
增加设备，设置“共享密钥”、“确认共享密钥”，绑定“设备区域”、“设备类型”



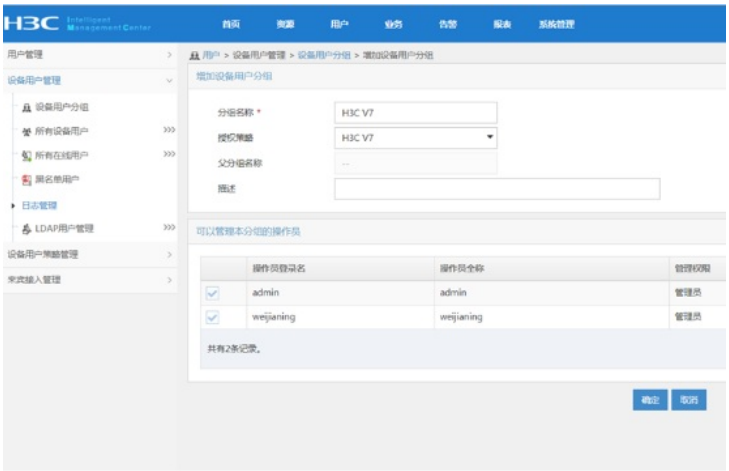
配置“授权管理”



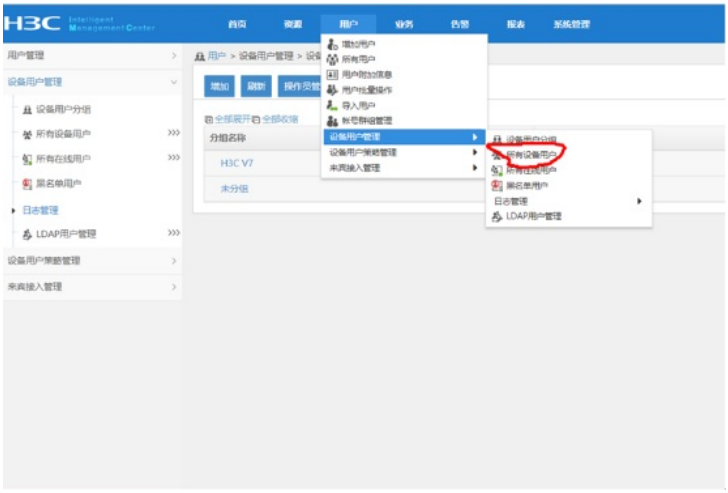
绑定“设备区域”-“设备类型”-“授权时段”-“shell profile”-“授权命令集”



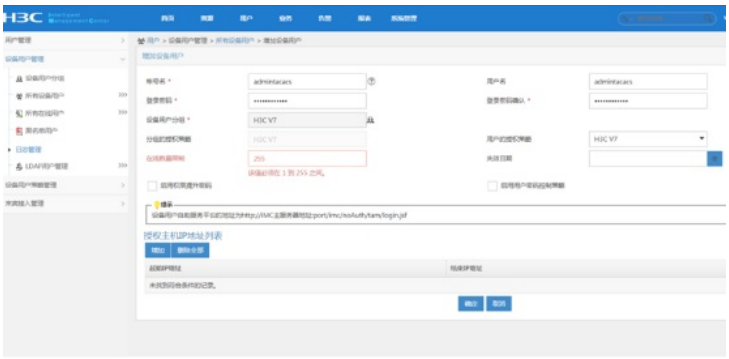
配置“用户设备分组”，设置“分组名称”-“授权策略”



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”



S3600 hwtacacs配置如下：

```
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 10.191.236.43



 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
```

domain default enable tamdm

查看hwtacacs状态：

```
dis hwtacacs
HWTACACS scheme name : shebeiguanli
  Primary Authen Server:
    IP: 10.190.8.7                Port: 49     State: Active
    VPN instance   : Not configured
    Encryption Key : Not configured
  Primary Author Server:
    IP: 10.190.8.7                Port: 49     State: Active
    VPN instance   : Not configured
    Encryption Key : Not configured
  Primary Account Server:
    IP: 10.190.8.7                Port: 49     State: Active
    VPN instance   : Not configured
    Encryption Key : Not configured
  NAS IP address                  : 10.191.236.43
  Authentication key              : ******
  Authorization key               : ******
  Accounting key                  : ******
  VPN instance                    : Not configured
  Quiet interval(min)             : 5
  Realtime accounting interval(min)       : 12
  Response timeout interval(sec)          : 5
  Retransmission times of stop-accounting packet : 100
  Username format                 : without-domain
  Data flow unit                  : Byte
  Packet unit                     : one
-------------------------------------------------------------------------------
  Total 1 HWTACACS scheme(s).
```

查看domain的状态：

```
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，S3600 hwtacacs典型组网配置案例已完成！