使用Restful查看/新增/删除V7防火墙安全策略配置

其他 域间策略/安全域 薛佳宇 2023-05-16 发表

组网及说明

测试防火墙环境：

F1000-AI-60 Version 7.1.064, Release 8660P33

客户端环境：

Postman for Windows Version 9.31.27

配置步骤

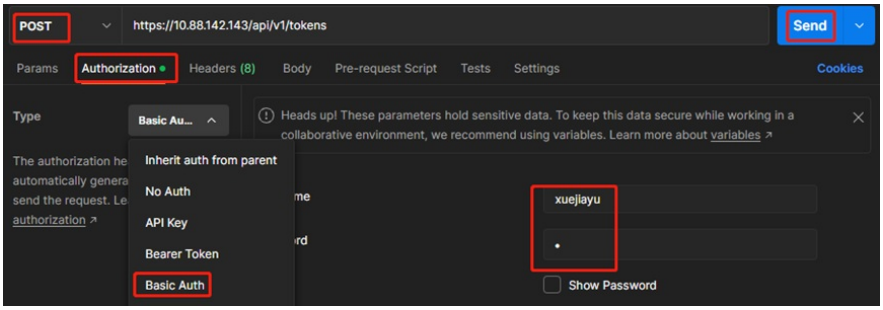
一、防火墙开启Restful，并配置用于登陆防火墙的用户

```
Sys
ip https enable
restful https enable
#
local-user xxxx
 password simple xxxx
 service-type  https
 authorization-attribute user-role network-admin
#
```

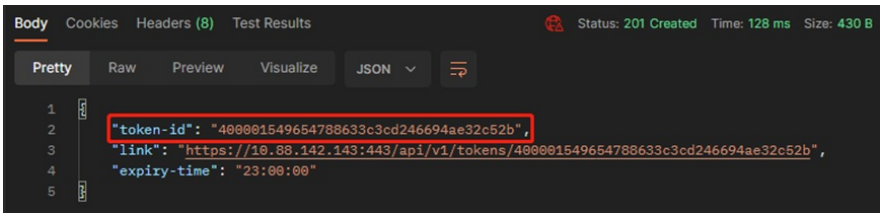
二、登陆防火墙

#方法使用POST，URL为：https://10.88.142.143/api/v1/tokens ip为防火墙地址

#选择Authorization，type更改为Basic Auth，右侧输入一个可以使用https方式登陆防火墙的账号及密码，最后点send



#记录返回的token-id，后续会使用这个字符串作为验证的凭据



三、查看安全策略配置

1、查看测试设备当前的安全策略规则配置

```
#
security-policy ip
 rule 0 name trust2untrust
  action pass
  logging enable
  counting enable
  source-zone Trust
  destination-zone Untrust
  source-ip-subnet 172.16.10.0 255.255.255.0
 rule 1 name untrust2trust
  action pass
  counting enable
  source-zone Untrust
  destination-zone Trust
  destination-ip-host 172.16.10.100
  service https
 rule 2 name local2untrust
  action pass
  source-zone Local
#
```

2、查看Restful API手册，可以看到读取安全策略rule规则的API为

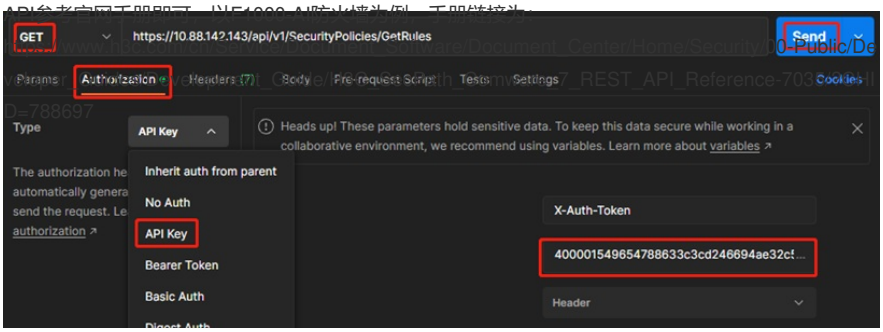
GET /api/v1/SecurityPolicies/GetRules

3、创建一个GET请求，完成读取操作

#新建GET请求，填入上述URL

配置关键点

#Authorization选择API key，红框处填入“一、登陆防火墙”中获取到的token-id,最后点击send



#得到如下输出


```
{
    "GetRules": [
        {
            "Type": 1
            "ID": 0
            "Name": "trust2untrust",
            "Action": 2
            "SrcZoneList": {
                "SrcZoneItem": [
                    "Trust"
                ]
            },
            "DestZoneList": {
                "DestZoneItem": [
                    "Untrust"
                ]
            },
            "SrcSimpleAddrList": {
                "SrcSimpleAddrItem": [
                    "172.16.10.0/24"
                ]
            },
            "Enable": true,
            "Log": true,
            "Counting": true,
            "CountingPeriod": 0
            "CountingTTL": 0
            "Count": 0
            "Byte": 0
            "SessAgingTimeSw": false,
            "SessPersistAgingTimeSw": false,
            "AllRulesCount": 3
            "Valid": true,
            "ValidStatus": 5
        },
        {
            "Type": 1
            "ID": 1
            "Name": "untrust2trust",
            "Action": 2
            "SrcZoneList": {
                "SrcZoneItem": [
                    "Untrust"
                ]
            },
            "DestZoneList": {
                "DestZoneItem": [
                    "Trust"
                ]
            },
            "ServGrpList": {
                "ServGrpItem": [
                    "https"
                ]
            },
            "DestSimpleAddrList": {
                "DestSimpleAddrItem": [
                    "172.16.10.100"
                ]
            },
            "Enable": true,
            "Log": false,
            "Counting": true,
            "CountingPeriod": 0
            "CountingTTL": 0
            "Count": 0
            "Byte": 0
```

```
        "SessAgingTimeSw": false,
        "SessPersistAgingTimeSw": false,
        "AllRulesCount": 3
        "Valid": true,
        "ValidStatus": 5
```