Supernova 测试仪 SSL 卸载用例说明

网测科技

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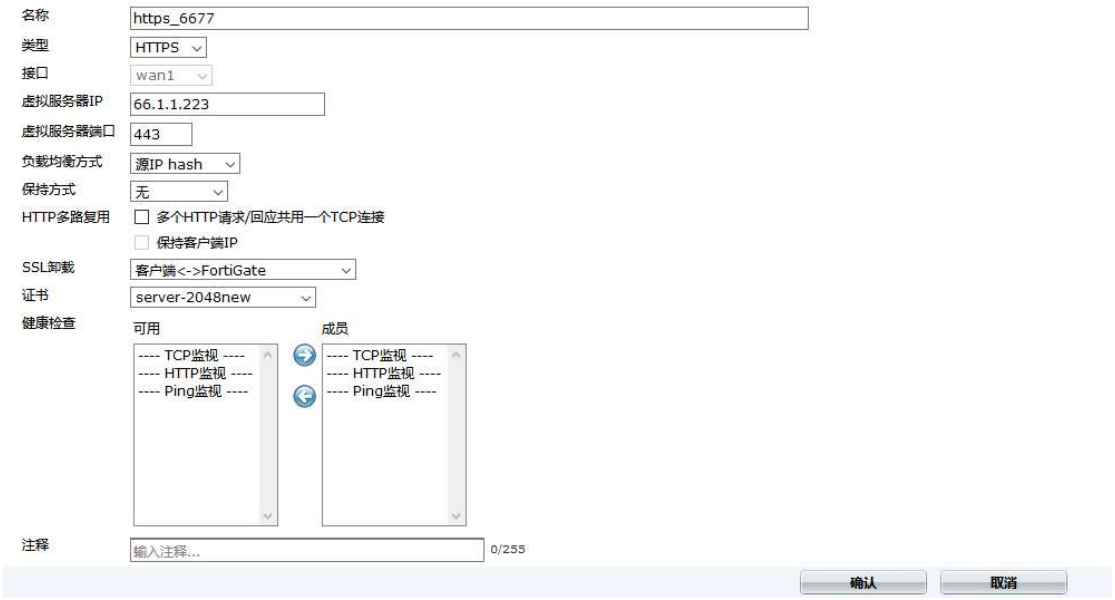
目录

引言

Supernova 测试仪支持 HTTPS 用例的 SSl 卸载功能，只需要在卸载 ssl 设备上配置好即可。除 https 并发用例外，测试仪上不需要做任何其它特殊配置，https 并发用例在“参数”中有启用 ssl 卸载功能按钮，打开后可使并发连接数量的范围*2。

此处以负载均衡设备举例说明:

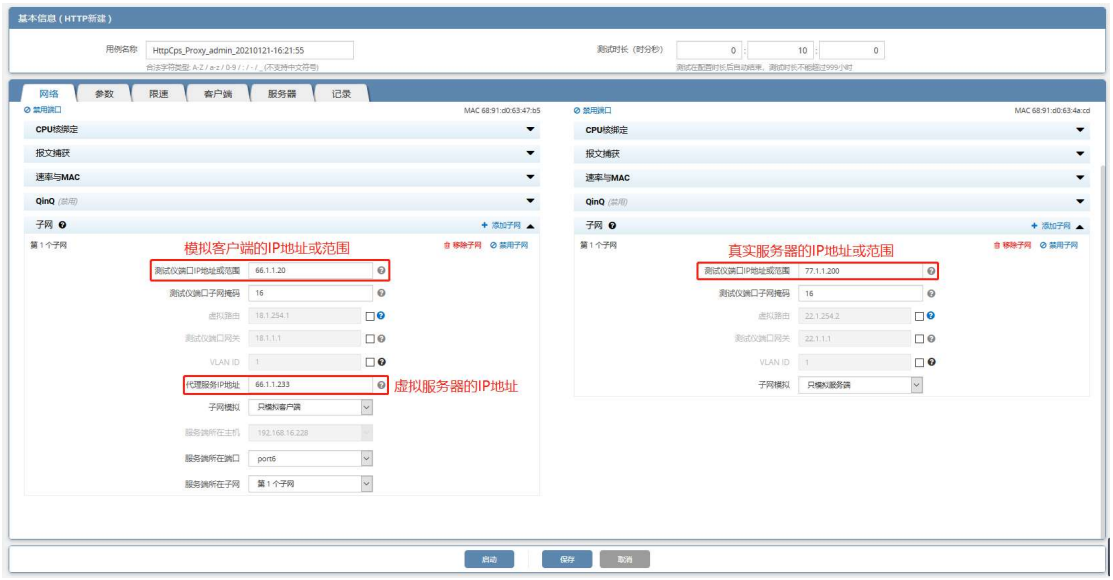
1.配置负载均衡，并启用 ssl 卸载功能



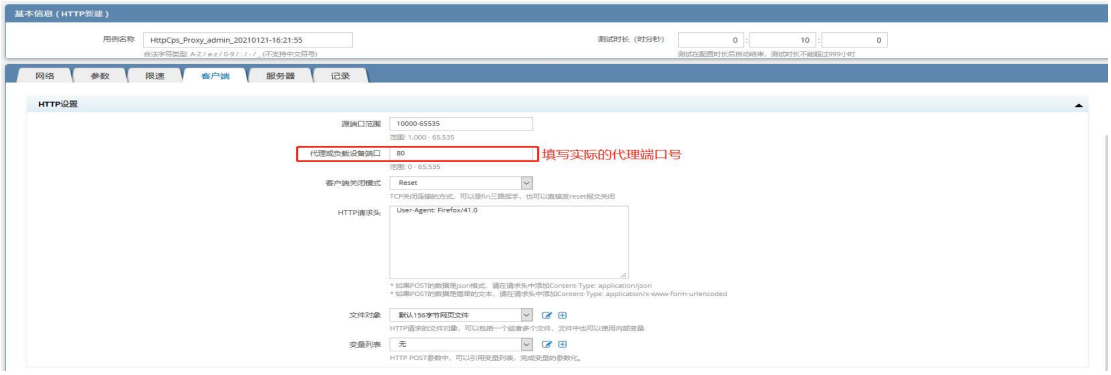
2.配置 Supernova 测试仪

1）登录系统，依次点击，用例->代理设备测试->HTTP->新建服务->增加，单击增加，在弹出的选择用例选项中，编辑用例网络选项，根据需要修改配置参数，然后点击确定，进入用例配置页面。

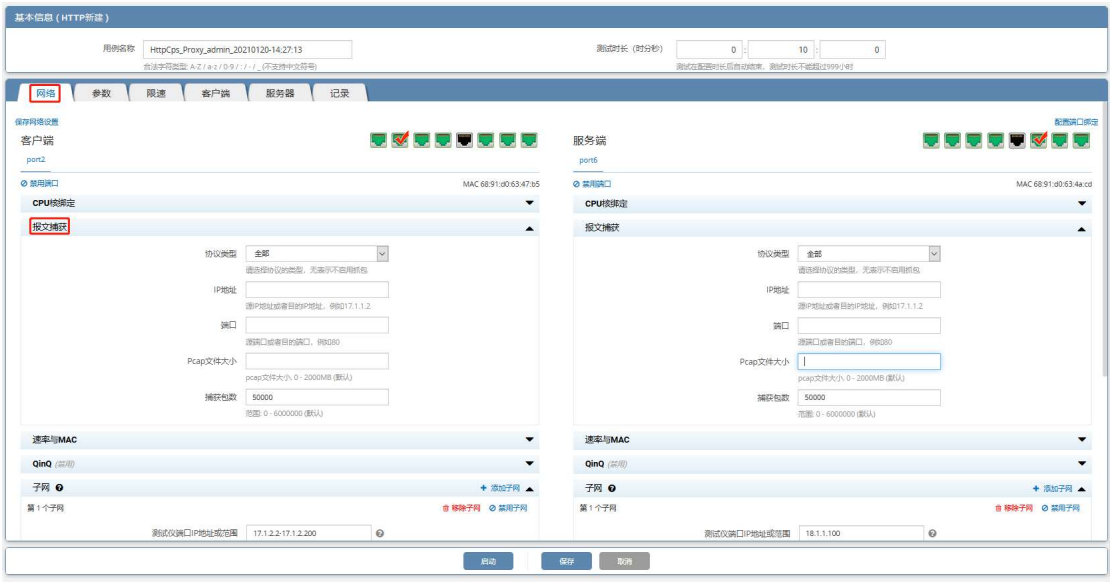
2）点击确定，进入用例配置界面，配置子网信息。



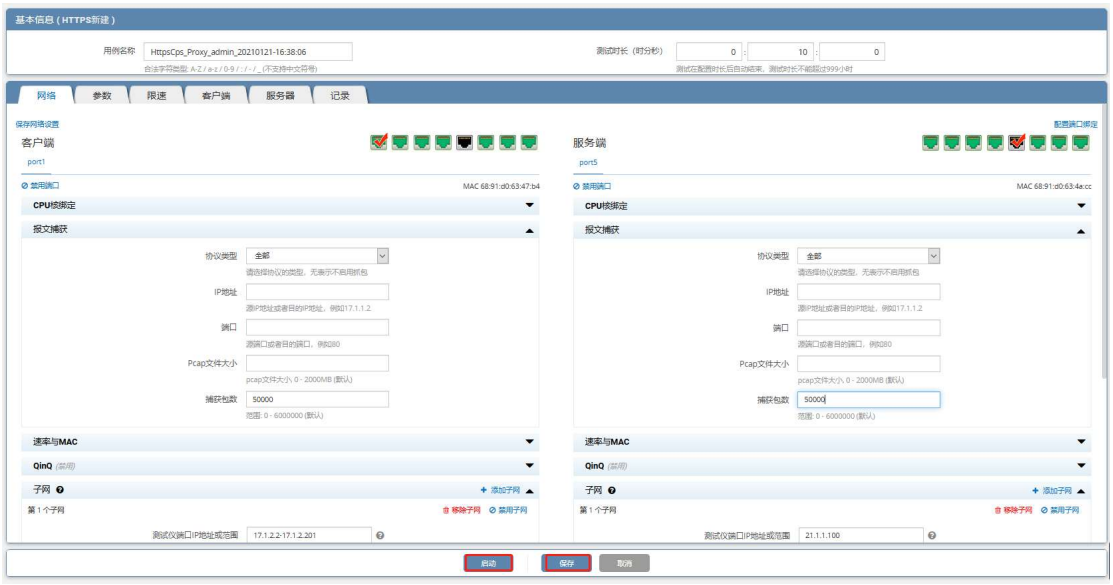
3）点击参数，配置用例参数。



4）配置报文捕获查看用例运行报文交互过程。



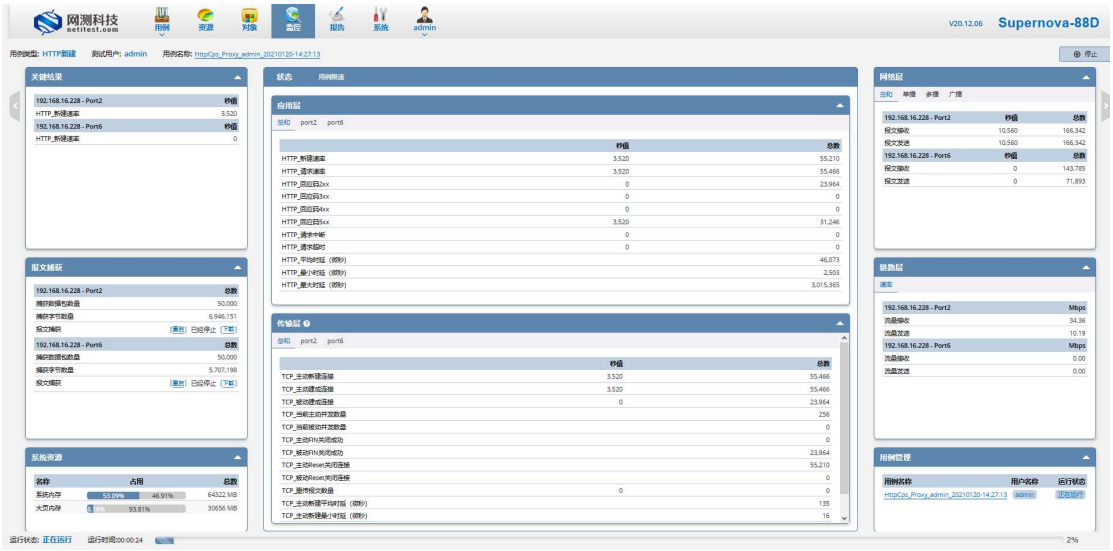
5）用例编辑完成后，可以点击启动直接运行用例，也可以点击保存，保存用例配置。



3.运行用例

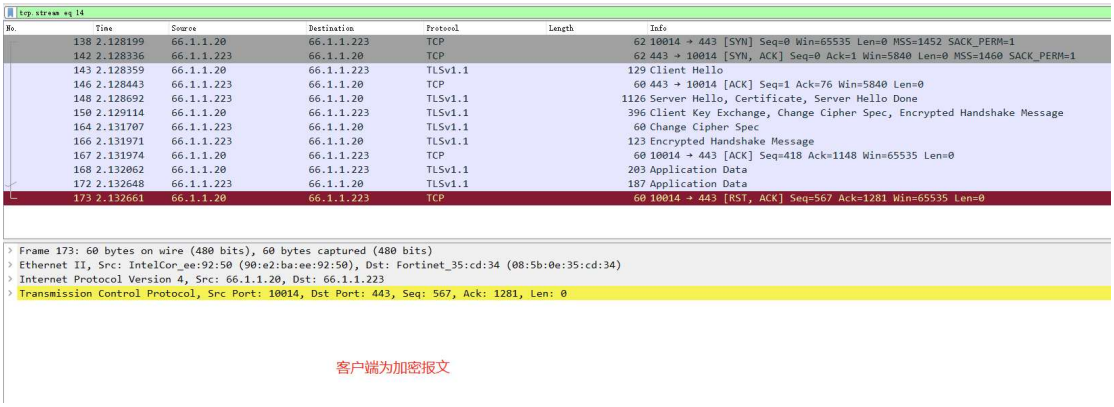
用例编辑保存后，点击运行按钮运行测试用例

用例运行监控数据页面：



用例运行结束，可以点击下载报文查看用例运行中报文交互

4.报文验证

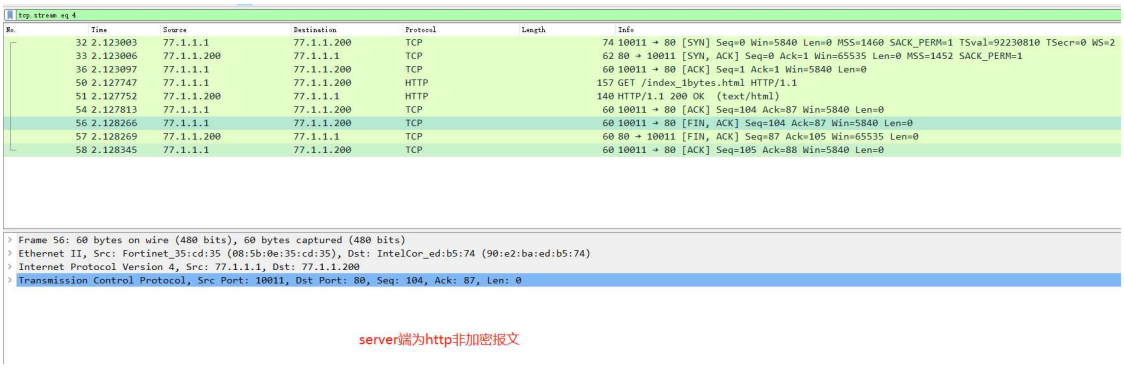


tcp.stream eq 14

No.	Time	Source	Destination	Protocol	Length	Info
138	2.128199	66.1.1.20	66.1.1.223	TCP	62	10014 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1452 SACK_PERM=1
142	2.128336	66.1.1.223	66.1.1.20	TCP	62	443 → 10014 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_PERM=1
143	2.128359	66.1.1.20	66.1.1.223	TLSv1.1	129	Client Hello
146	2.128443	66.1.1.223	66.1.1.20	TCP	60	443 → 10014 [ACK] Seq=1 Ack=76 Win=5840 Len=0
148	2.128692	66.1.1.223	66.1.1.20	TLSv1.1	1126	Server Hello, Certificate, Server Hello Done
150	2.129114	66.1.1.20	66.1.1.223	TLSv1.1	396	Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
164	2.131707	66.1.1.223	66.1.1.20	TLSv1.1	60	Change Cipher Spec
166	2.131971	66.1.1.223	66.1.1.20	TLSv1.1	123	Encrypted Handshake Message
167	2.131974	66.1.1.20	66.1.1.223	TCP	60	10014 → 443 [ACK] Seq=418 Ack=1148 Win=65535 Len=0
168	2.132062	66.1.1.20	66.1.1.223	TLSv1.1	203	Application Data
172	2.132648	66.1.1.223	66.1.1.20	TLSv1.1	187	Application Data
173	2.132661	66.1.1.20	66.1.1.223	TCP	60	10014 → 443 [RST, ACK] Seq=567 Ack=1281 Win=65535 Len=0

```
Frame 173: 60 bytes on wire (480 bits), 60 bytes captured (480 bits)
Ethernet II, Src: IntelCor_ee:92:50 (90:e2:ba:ee:92:50), Dst: Fortinet_35:cd:34 (08:5b:0e:35:cd:34)
Internet Protocol Version 4, Src: 66.1.1.20, Dst: 66.1.1.223
Transmission Control Protocol, Src Port: 10014, Dst Port: 443, Seq: 567, Ack: 1281, Len: 0
```

客户端为加密报文



tcp.stream eq 4

No.	Time	Source	Destination	Protocol	Length	Info
32	2.123003	77.1.1.1	77.1.1.200	TCP	74	10011 → 80 [SYN] Seq=0 Win=5840 Len=0 MSS=1460 SACK_PERM=1 TSval=92230810 TSecr=0 WS=2
33	2.123006	77.1.1.200	77.1.1.1	TCP	62	80 → 10011 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1452 SACK_PERM=1
36	2.123097	77.1.1.1	77.1.1.200	TCP	60	10011 → 80 [ACK] Seq=1 Ack=1 Win=5840 Len=0
50	2.127747	77.1.1.1	77.1.1.200	HTTP	157	GET /index_1bytes.html HTTP/1.1
51	2.127752	77.1.1.200	77.1.1.1	HTTP	140	HTTP/1.1 200 OK (text/html)
54	2.127813	77.1.1.1	77.1.1.200	TCP	60	10011 → 80 [ACK] Seq=104 Ack=87 Win=5840 Len=0
56	2.128266	77.1.1.1	77.1.1.200	TCP	60	10011 → 80 [FIN, ACK] Seq=104 Ack=87 Win=5840 Len=0
57	2.128269	77.1.1.200	77.1.1.1	TCP	60	80 → 10011 [FIN, ACK] Seq=87 Ack=105 Win=65535 Len=0
58	2.128345	77.1.1.1	77.1.1.200	TCP	60	10011 → 80 [ACK] Seq=105 Ack=88 Win=5840 Len=0

```
Frame 56: 60 bytes on wire (480 bits), 60 bytes captured (480 bits)
Ethernet II, Src: Fortinet_35:cd:35 (08:5b:0e:35:cd:35), Dst: IntelCor_ed:b5:74 (90:e2:ba:ed:b5:74)
Internet Protocol Version 4, Src: 77.1.1.1, Dst: 77.1.1.200
Transmission Control Protocol, Src Port: 10011, Dst Port: 80, Seq: 104, Ack: 87, Len: 0
```

server端为http非加密报文

5.https 并发用例特殊配置

https 并发用例在“参数”中有启用 ssl 卸载功能按钮，打开后可使并发连接数量的范围*2。