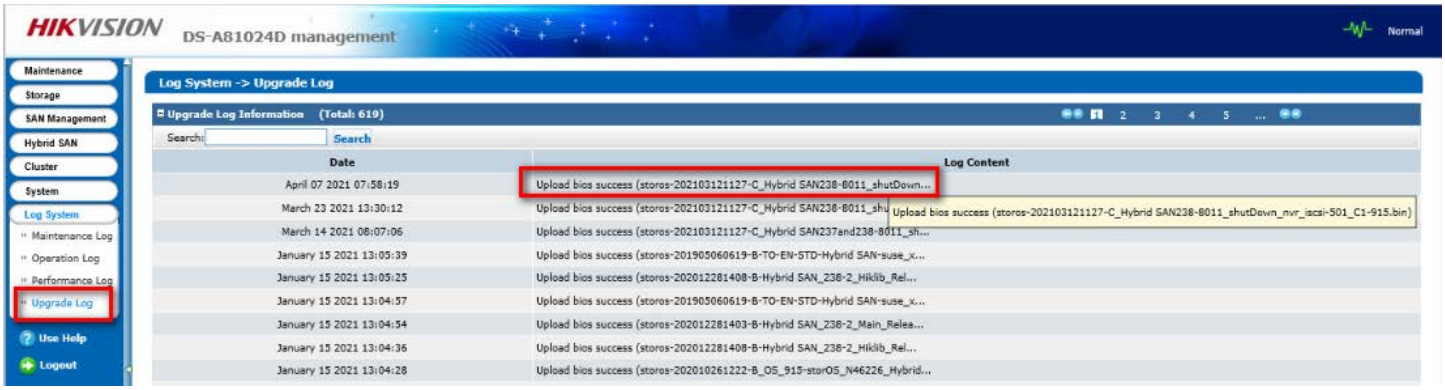
NAS storage safe shutdown using Smart-UPS

As per new rule, we need to shut down the device safely when the UPS battery low when online power cut.

We have customize the FW, which can support shutdown by Script (same like NVR).

FW – Support 2.3.8 Hybrid SAN version. Support Single Controller Device only (DS-A81016S DS-A80624S).

storos-202103121127-C_CVR238-8011_batchShutDown-501_C1-915



Script:

```
function Cgi_Request()
    CGI_CMD =  "shutDown"
    Rem NVR-CGI-URL
    NVR_CGI_URL ="http://ipaddress:8011/wps-cgi/RemoteControl.cgi?action=" + CGI_CMD
    Dim http_request
    Set http_request = CreateObject("Msxml2.ServerXMLHTTP")
    http_request.open "GET", NVR_CGI_URL, False
    http_request.send
End function

function Cgi_Request1()
    Rem Request NVR name first, make sure net status is ok
    CGI_CMD =  "shutDown"
    Rem NVR-CGI-URL
    NVR_CGI_URL ="http://ipaddress:8011/wps-cgi/RemoteControl.cgi?action=" + CGI_CMD
    Dim http_request
    Set http_request = CreateObject("Msxml2.ServerXMLHTTP")
    http_request.open "GET", NVR_CGI_URL, False
    http_request.send
End function

function Cgi_Request2()
    Rem Request NVR name first, make sure net status is ok
    CGI_CMD =  "shutDown"
    Rem NVR-CGI-URL
    NVR_CGI_URL ="http://ipaddress:8011/wps-cgi/RemoteControl.cgi?action=" + CGI_CMD
    Dim http_request
    Set http_request = CreateObject("Msxml2.ServerXMLHTTP")
    http_request.open "GET", NVR_CGI_URL, False
    http_request.send
End function

Cgi_Request()
Cgi_Request1()
Cgi_Request2()
```

Storage 1 IP

Storage 2 and 3 IP

After Config the device IP in the script, we need to convert the script to EXE. So we can attach to UPS management software.

Step to Convert the VB Script to EXE.

Use the Visual basic or Use Online or conversion tool.

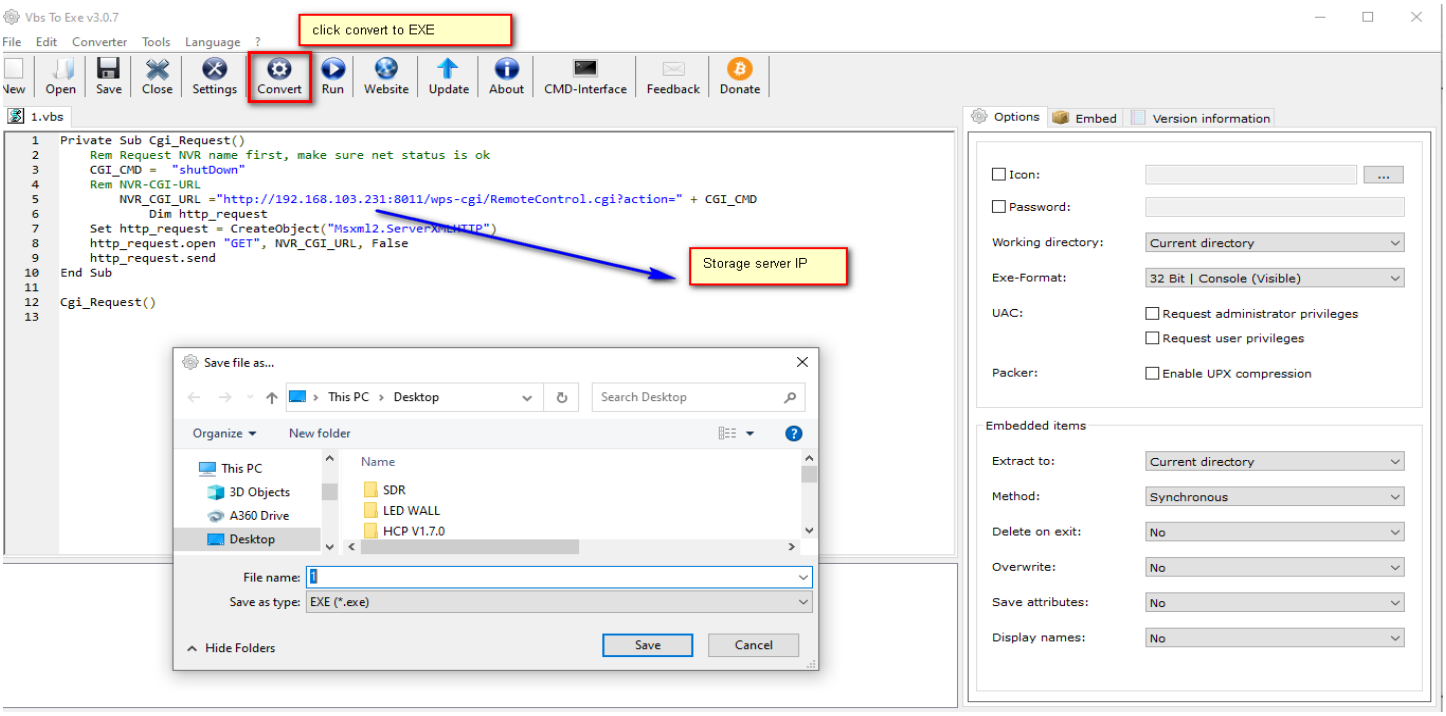
e.g.

1, VB Script, edit in Notepad++

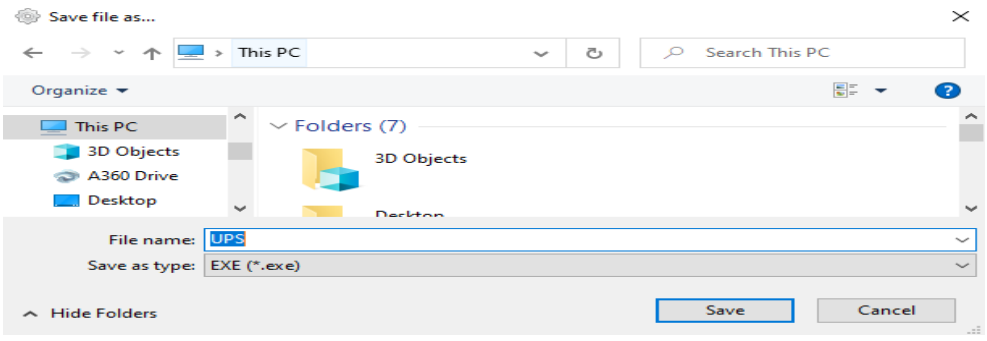
cgi_demo.vbs | cgi_demo(New Multi).vbs

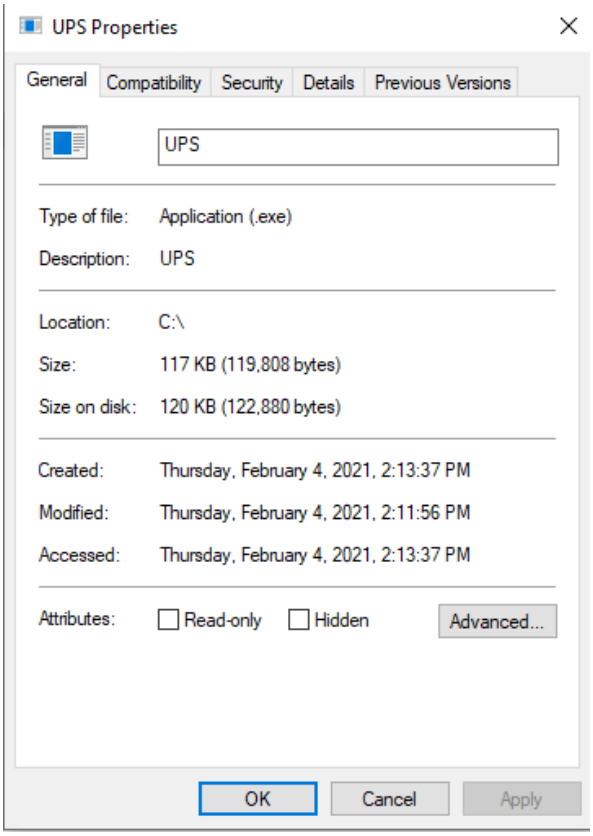
```
Private Sub Cgi_Request()
    Rem Request NVR name first, make sure net status is ok
    CGI_CMD =  "shutDown"
    Rem NVR-CGI-URL
        NVR_CGI_URL ="http://192.168.103.231:8011/wps-cgi/RemoteControl.cgi?action=" + CGI_CMD
    Dim http_request
    Set http_request = CreateObject("Msxml2.ServerXMLHTTP")
    http_request.open "GET", NVR_CGI_URL, False
    http_request.send
End Sub

Cgi_Request()
```

2, Run the converter



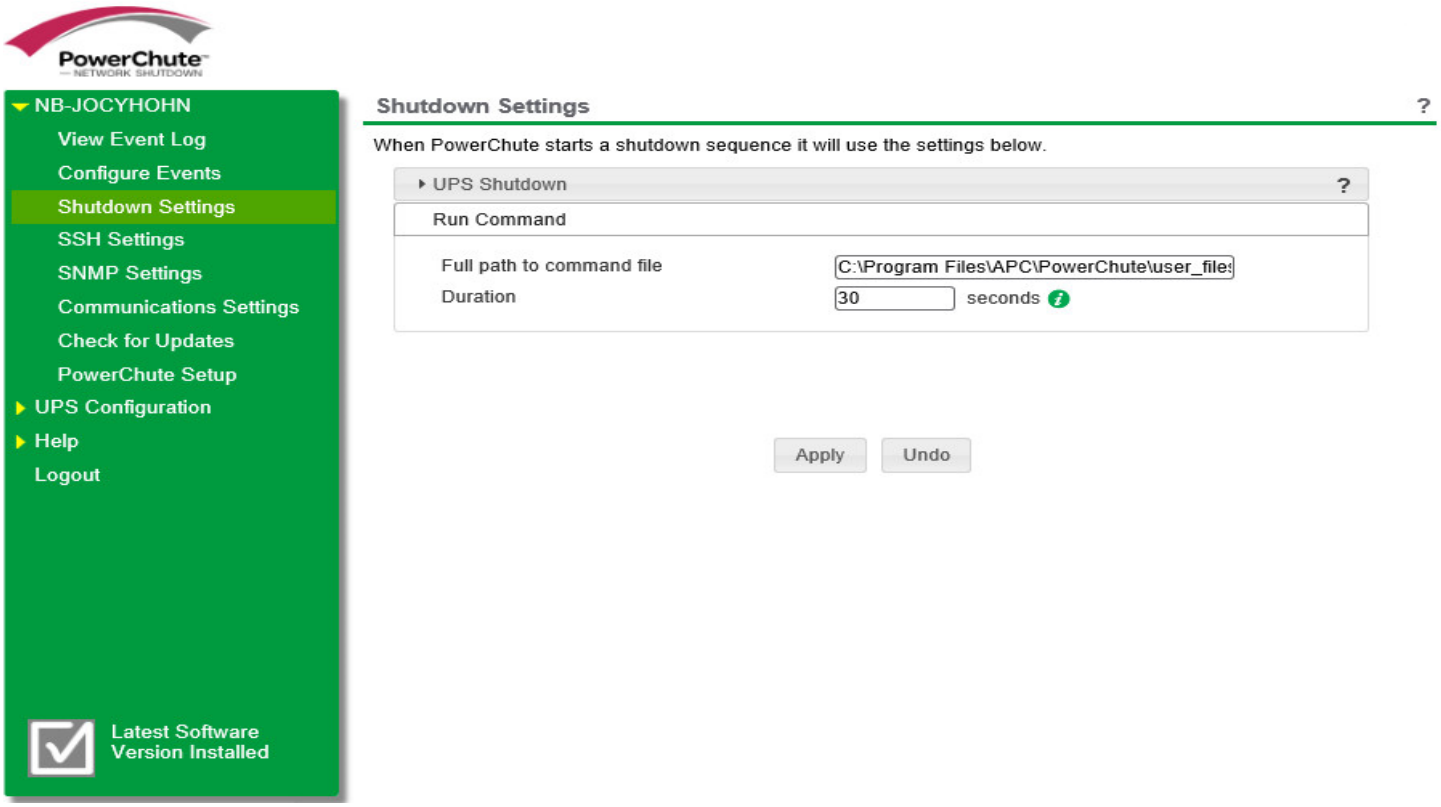
3, Save as exe.

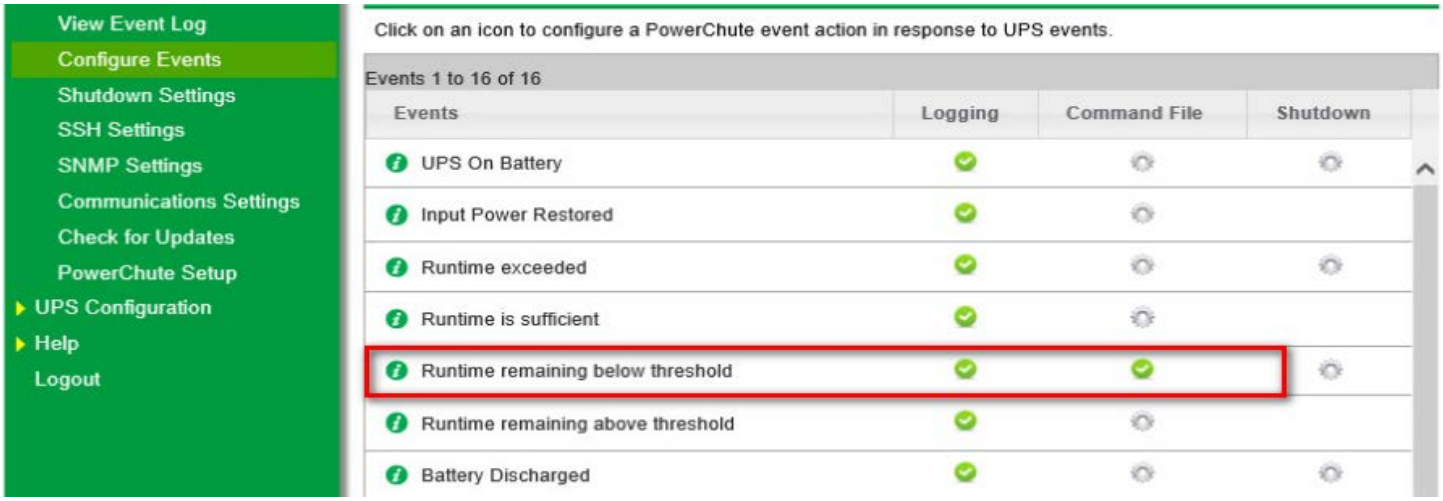




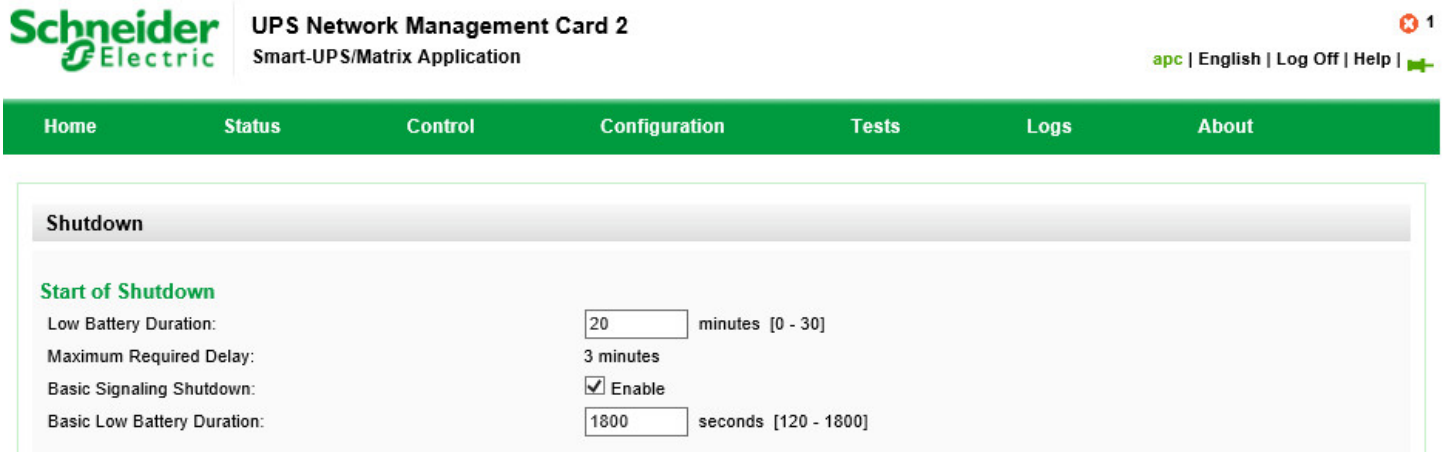
Step to config Smart-UPS software

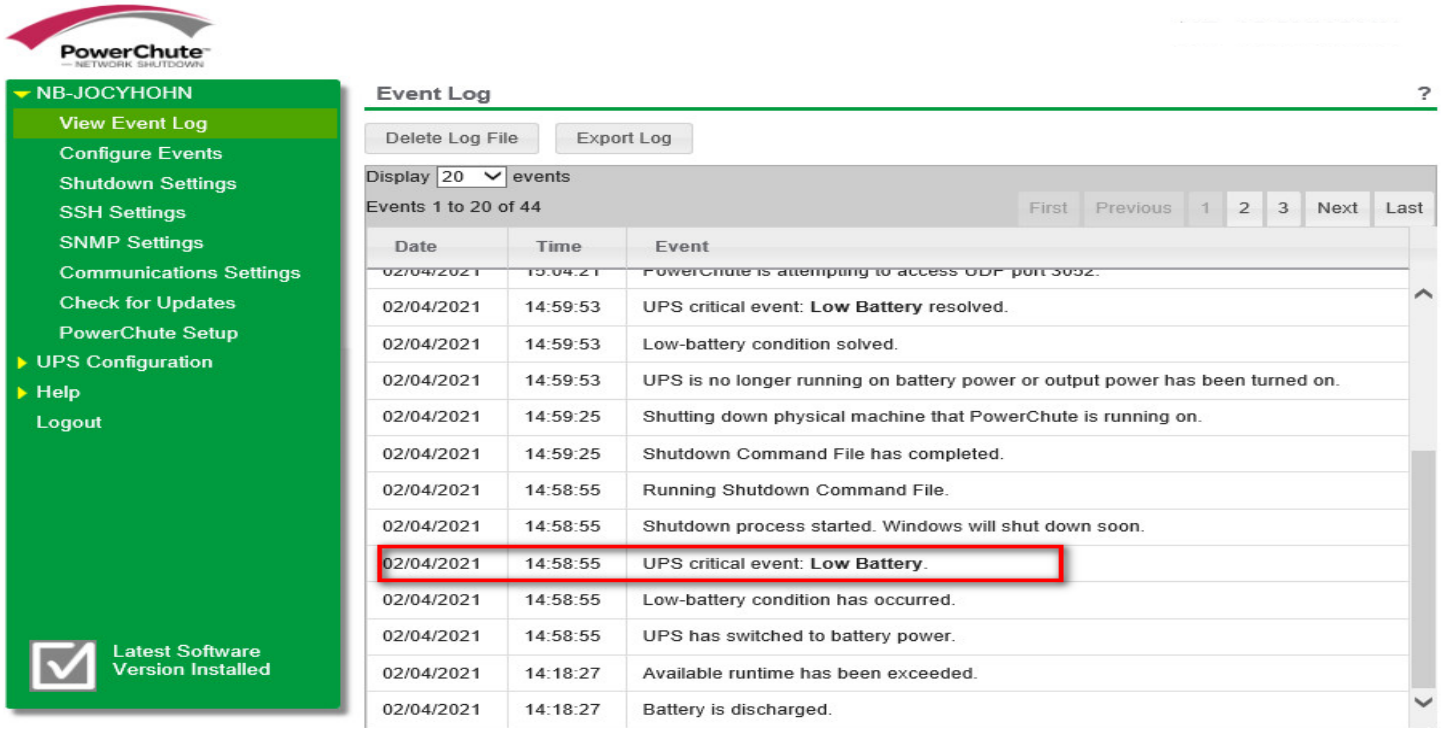
E.g. APC –Schneider (Power Chute)





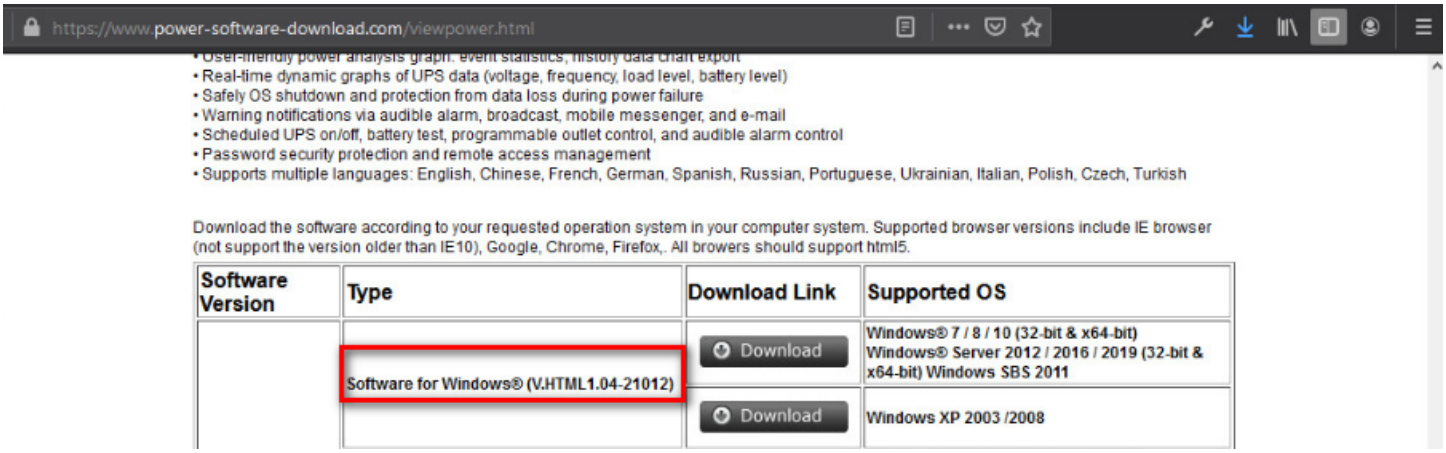
Low battery Trigger need to configure as per the site UPS battery Size and the LOAD.

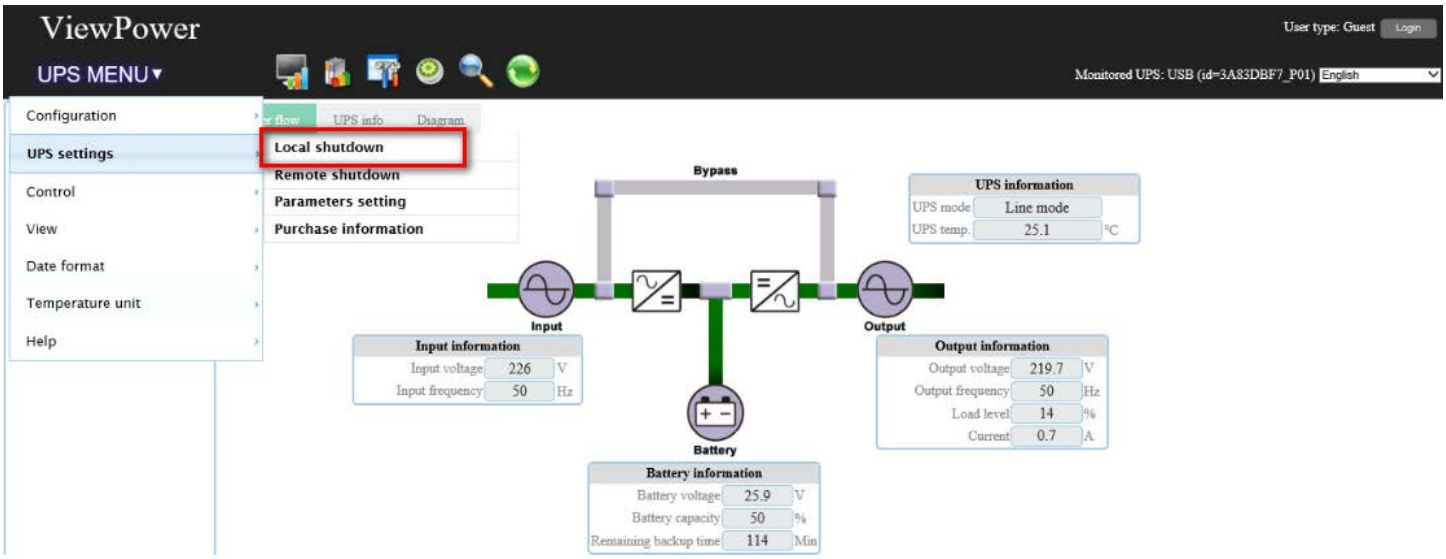


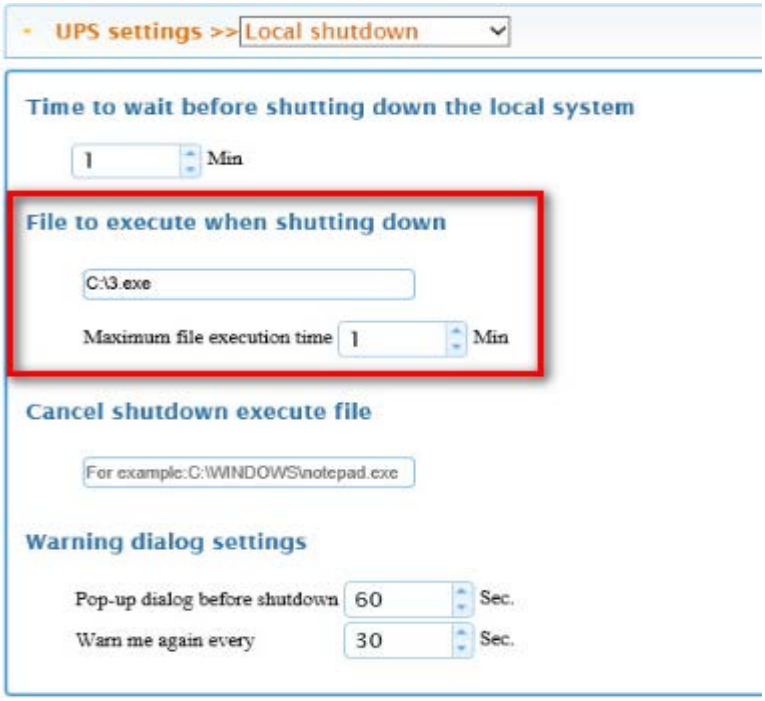


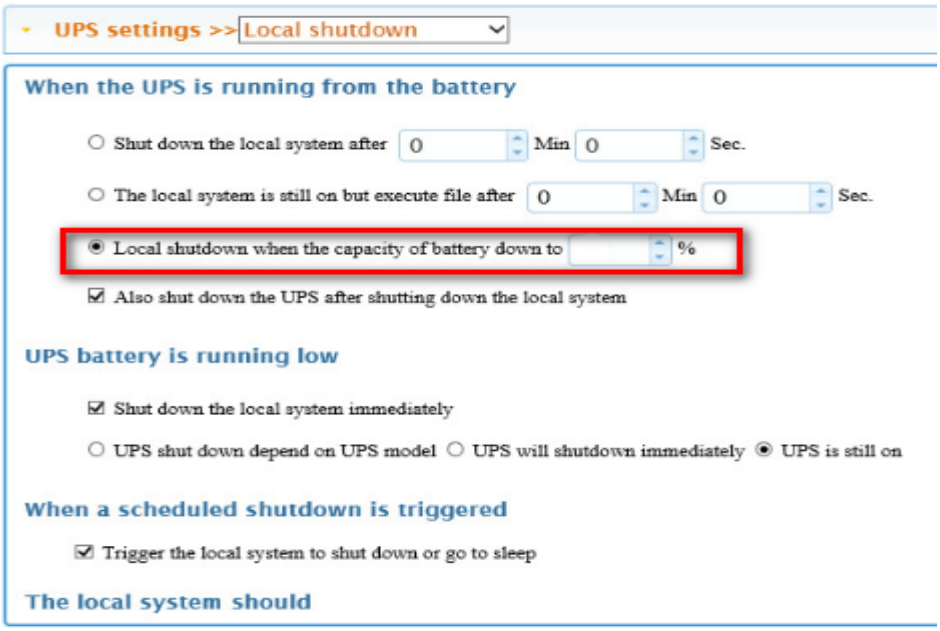
SNAPPY UPS

View Power pro



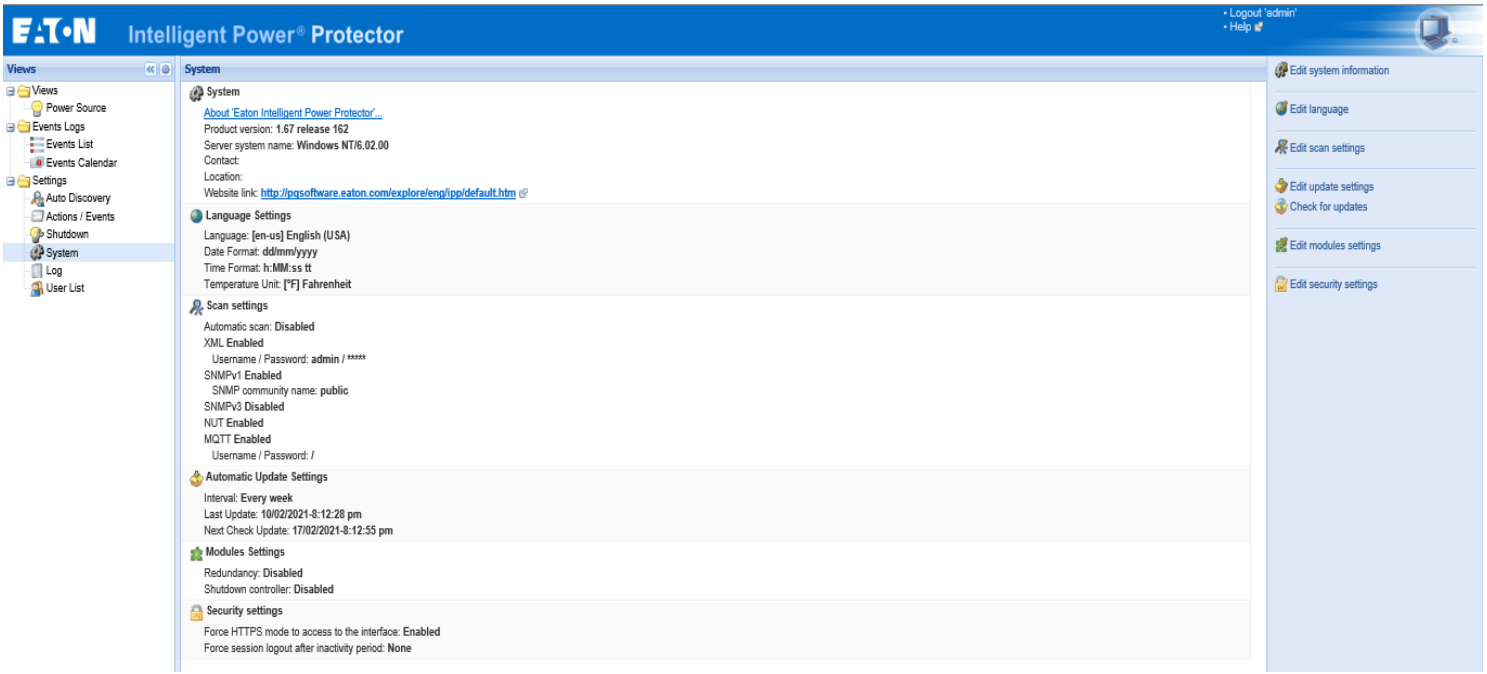


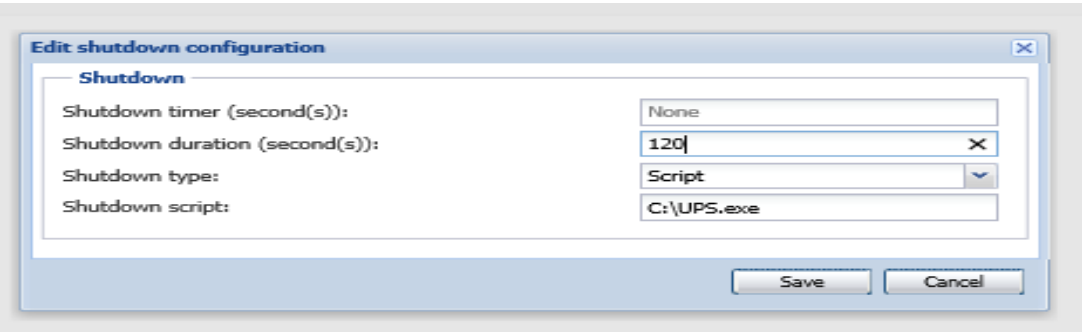


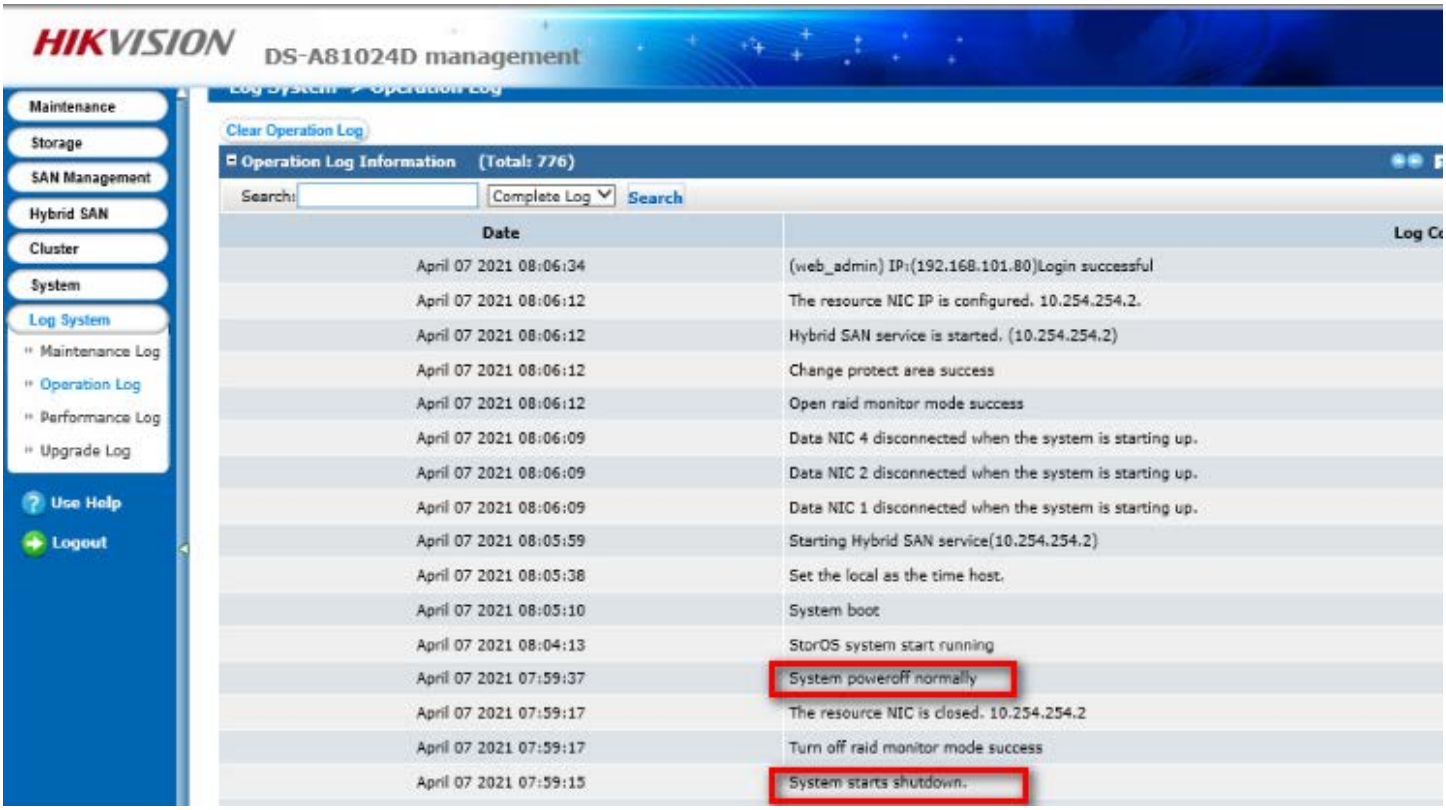


EATON UPS

Eaton IPP






HIKVISION
DS-A81024D management
Maintenance
Storage
SAN Management
Hybrid SAN
Cluster
System
Log System
Maintenance Log
Operation Log
Performance Log
Upgrade Log
Use Help
Logout
Clear Operation Log
Operation Log Information (Total: 776)
Search:
Complete Log
Search
Date
Log Co
April 07 2021 08:06:34 (web_admin) IP:(192.168.101.80)Login successful
April 07 2021 08:06:12 The resource NIC IP is configured. 10.254.254.2.
April 07 2021 08:06:12 Hybrid SAN service is started. (10.254.254.2)
April 07 2021 08:06:12 Change protect area success
April 07 2021 08:06:12 Open raid monitor mode success
April 07 2021 08:06:09 Data NIC 4 disconnected when the system is starting up.
April 07 2021 08:06:09 Data NIC 2 disconnected when the system is starting up.
April 07 2021 08:06:09 Data NIC 1 disconnected when the system is starting up.
April 07 2021 08:05:59 Starting Hybrid SAN service(10.254.254.2)
April 07 2021 08:05:38 Set the local as the time host.
April 07 2021 08:05:10 System boot
April 07 2021 08:04:13 StorOS system start running
April 07 2021 07:59:37 System poweroff normally
April 07 2021 07:59:17 The resource NIC is closed. 10.254.254.2
April 07 2021 07:59:17 Turn off raid monitor mode success
April 07 2021 07:59:15 System starts shutdown.