Example of how to use the BVMS 13.0 REST API for Virtual Input + text data transfer:

Curl =! cURL => A suitable test-client is required: For example curl.se (command line tool and library for transferring data with URLs).
Note: The windows onboard Alias Curl = Invoke-WebRequest does not work for the BVMS REST API

⇨ Download: https://curl.se/windows/

Query configured Virtual Inputs using REST API (GET):

curl.exe -u **<USER>**:**<PW>** -k https://**<IP>**:5399/serverapi/virtualinputs

Used parameters:

-u or –user	Server user and password
-k or –insecure	Allow insecure server connection (is required when the server certificate is not available on the client PC)

Set state of dedicated Virtual Input using REST API (POST):

a) Use Windows Powershell to start and execute the curl.exe client.

curl.exe - u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '\"**On**\"'
https://**<IP>**:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/state

curl.exe - u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '\"**Off**\"'
https://**<IP>**:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/state

b) Windows CMD:

curl.exe - u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '"**On**"'
https://**<IP>**:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/state

curl.exe - u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '"**Off**"'
https://**<IP>**:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/state

Used parameters:

-u or –user	Server user and password
-k or –insecure	Allow insecure server connection (is required when the server certificate is not available on the client PC)
-X or --request <method>	Specify request method to use
-H or --header <header>	Pass custom header(s) to server
-d or --data <data>	HTTP Post data

Write text data to dedicated Virtual Input using REST API (POST)

a) Use Windows Powershell to start and execute the curl.exe client:

curl.exe -u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '{\"data\":[\"**<TEXTDATA>**\"]}' https://192.168.4.64:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/textData

curl.exe -u **<USER>**:**<PW>** -k -X POST -H "Content-Type: application/json" -d '{\"externalAlarmId\":**<ALARM_ID>**,\"data\":[\"**<TEXTDATA>**\"]}' https://192.168.4.64:5399/serverapi/virtualinputs/**<VI_NR_or_VI_ID>**/textData

Used parameters:

-u or –user	Server user and password
-k or –insecure	Allow insecure server connection
-X or --request <method>	Specify request method to use
-H or --header <header>	Pass custom header(s) to server
-d or --data <data>	HTTP Post data