Flowchart: Control PrismaPro via API (FW ≥ 1.9.0)

PFEIFFER VACUUM

See: PrismaPro_API.xlsm, Makro: Login_Force
See: PrismaPro_API.xlsm, Makro: Login_Release

/mmsp/communication/controlInfo/get
Check for:
ipAddres =""

PFEIFFER VACUUM

1. /mmsp/communication/clientName/set?PfeifferVacuum
2. /mmsp/communication/control/set?force
3. /mmsp/communication/controlLock/set?Session

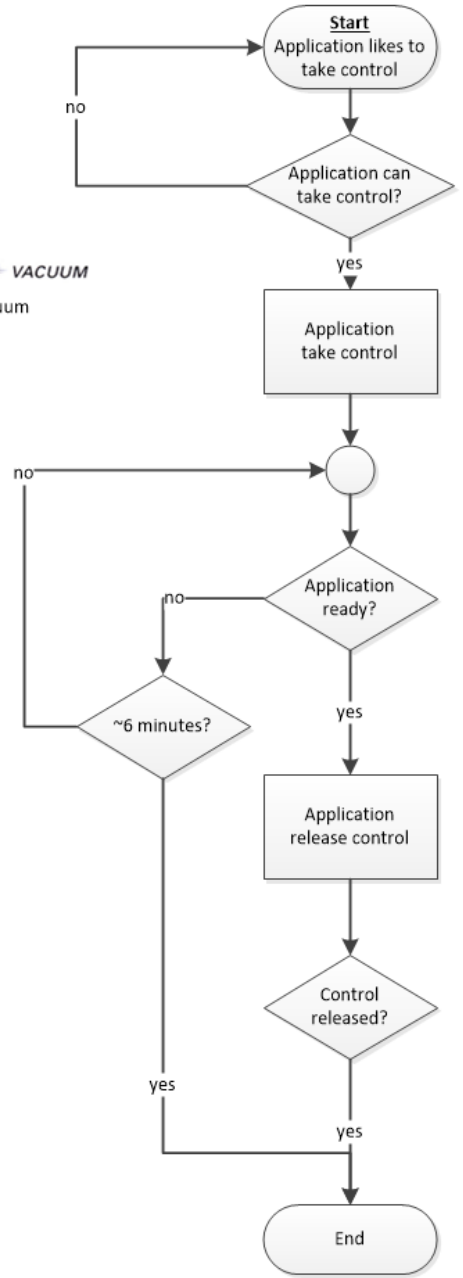
.....

~ 6 minutes without any request?!?
(controlled by PrismaPro and not by Application)

1. /mmsp/communication/controlLock/set?Unlocked
2. /mmsp/communication/control/set?release

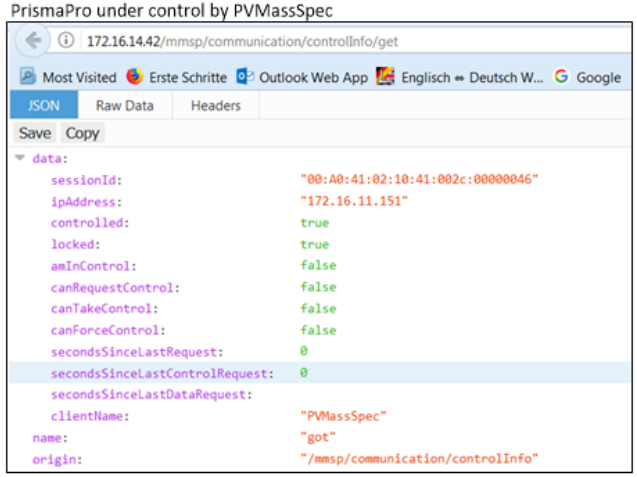
See: PrismaPro_API.xlsm, Makro: Login_Release

/mmsp/communication/controlInfo/get
Check for:
ipAddres =”” and controlled=false and locked=false and
clientName=”” and canTakeControl=false = canForceControl

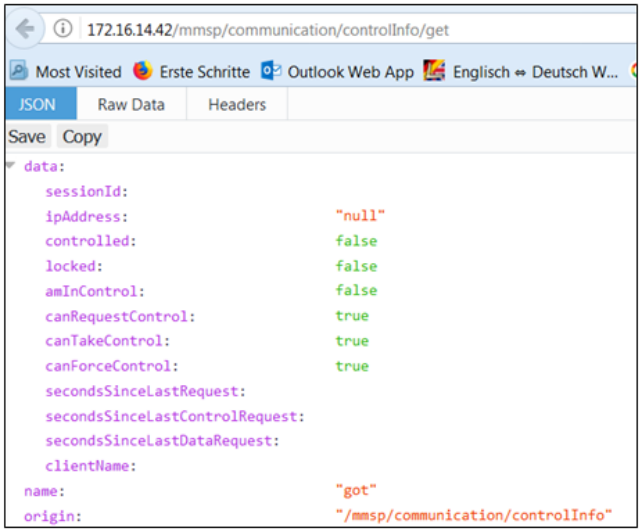


If „no“: Send Error-code to e.g. PLC

PrismaPro under control by PVMassSpec



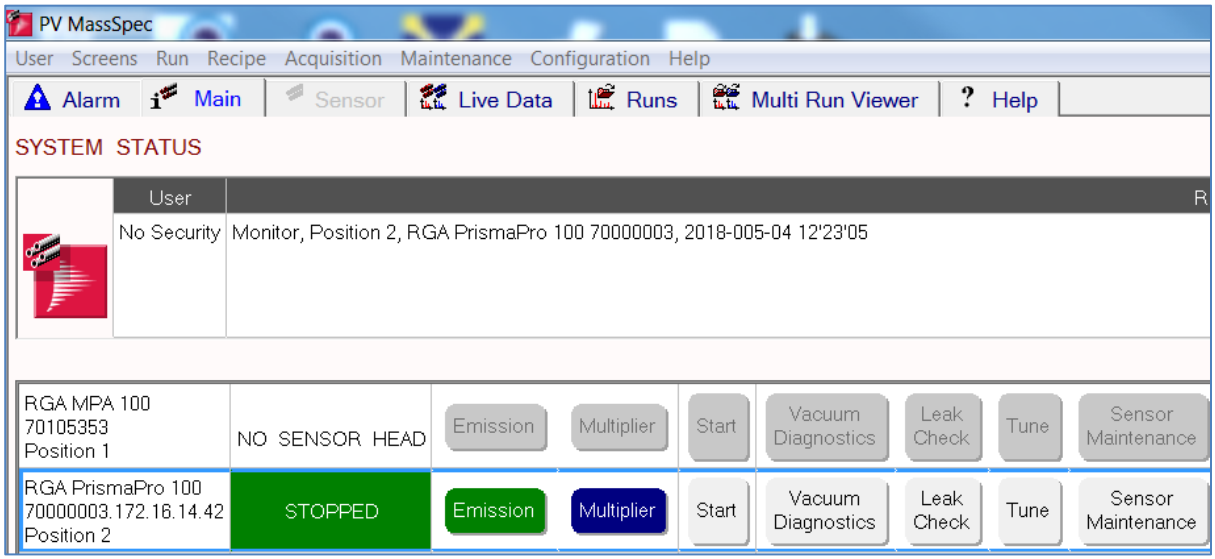
PrismaPro under no control



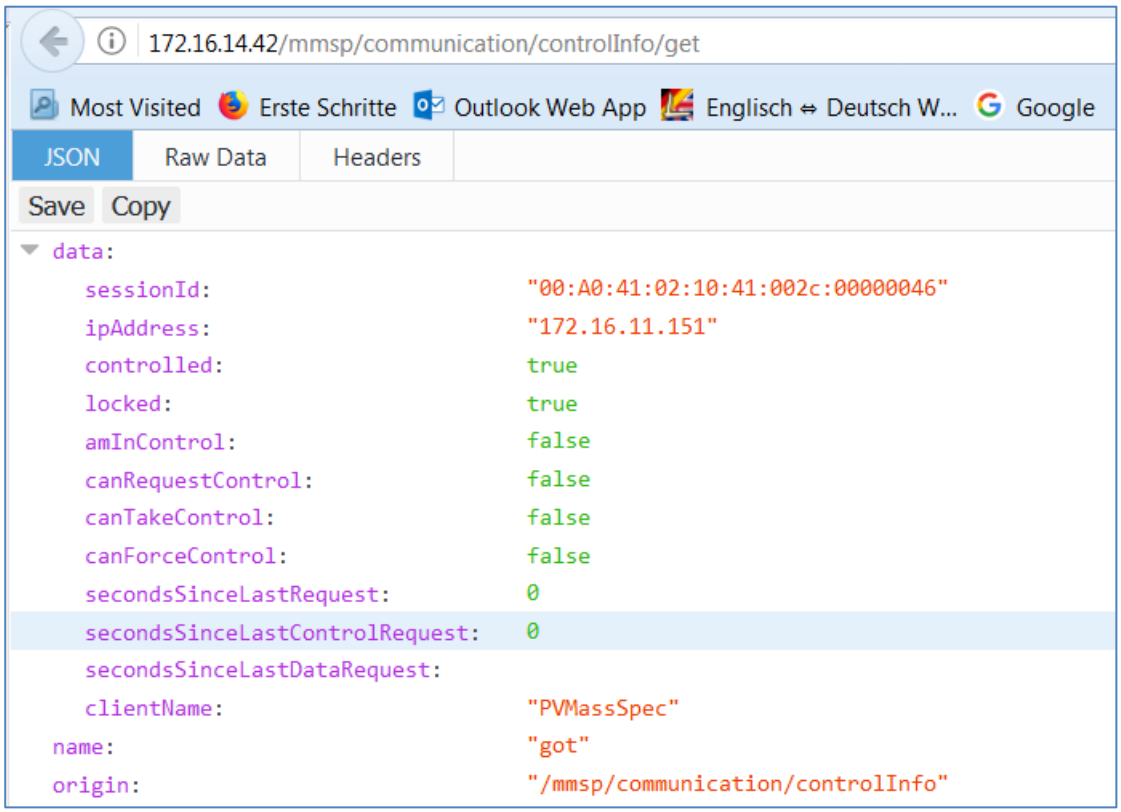
PrismaPro via API

(see also Flowchart_ControlPrismaPro):

e.g. PVMassSpec is open:

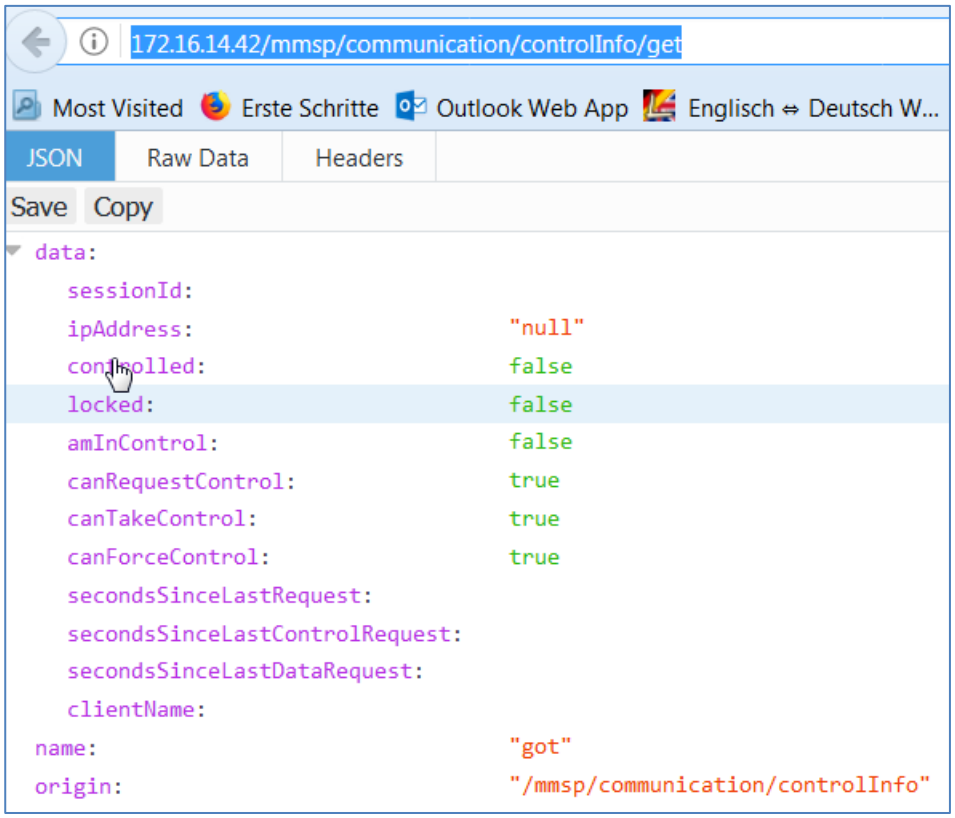


If Scan-Monitor is running, PVMassSpec has full control and locked the PrismaPro:



We can use this API to know if PrismaPro is locked and ask the clientName and can send an error-code to the PLC!

After PVMassSpec has stopped the “Acquisition” or the PCMassSpec is closed, everybody can take the control:

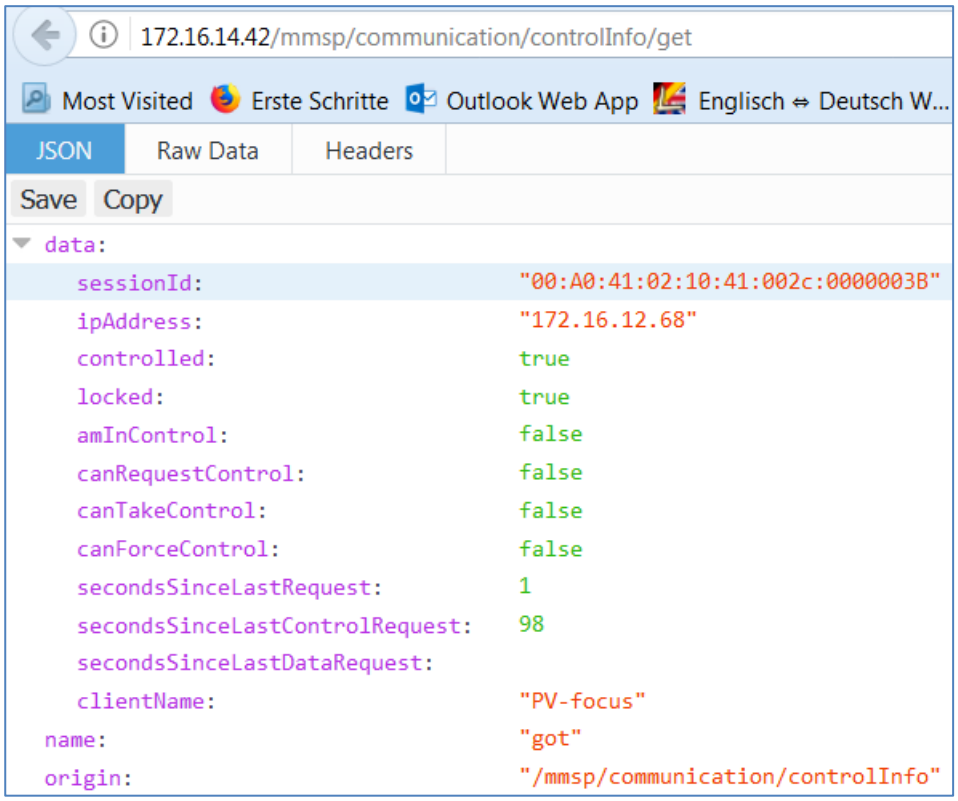


Now we can take the control via API:

1. **Set Clientname**
   http://172.16.14.42/mmsp/communication/clientName/set?PfeifferVacuum

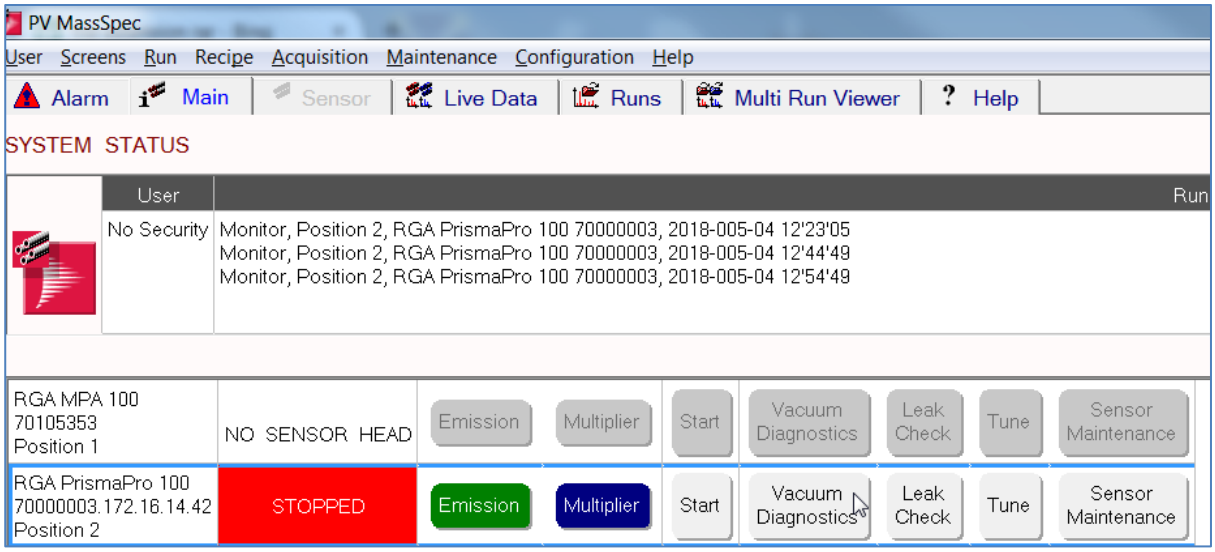
2. **Set Control**
   http://172.16.14.42/mmsp/communication/control/set?force

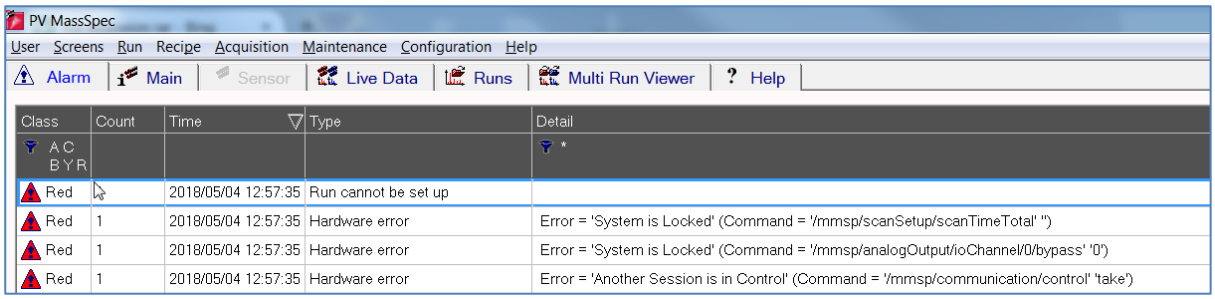
3. **Set ControlLock**
   http://172.16.14.42/mmsp/communication/controlLock/set?Session



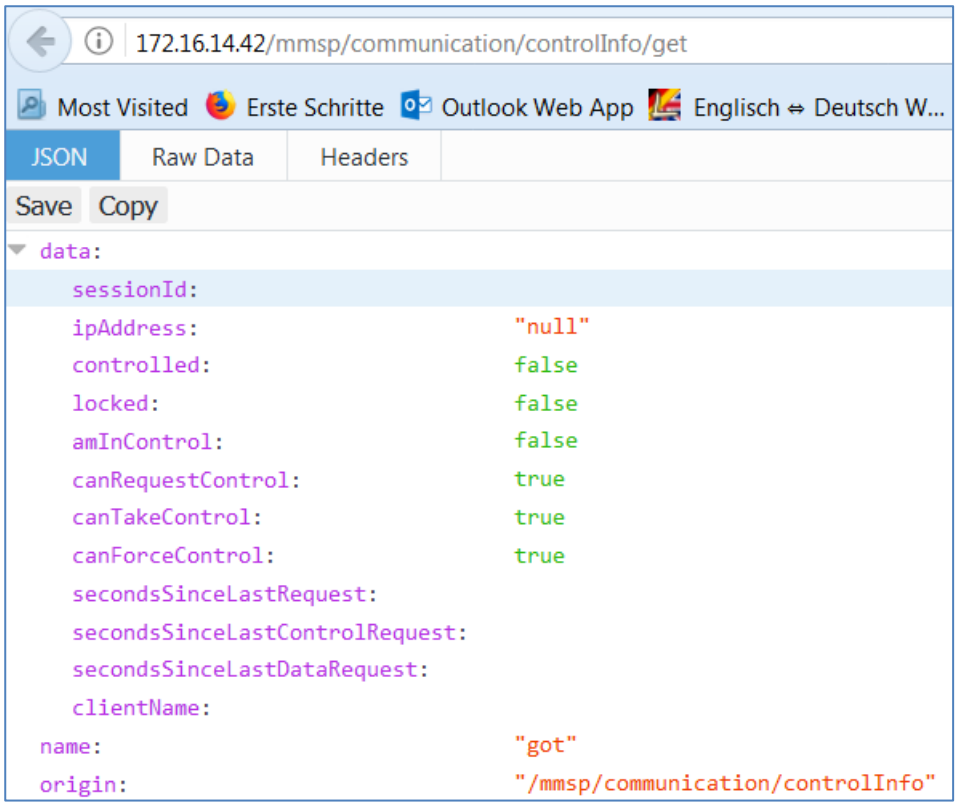
The PrismasPro is locked now for other applications!

If PVMassSpec try to start the Acquisition, this Error will appear:





After 6 minutes without any request the control will change back to “*everybody*”:



If we don't need the PrismaPro, we can switch back the API's "control " to "release" and the API "controlLocked" to "Unlocked", so PVMassSpec or anybody else can take the control again, if necessary.

Release the control via API:

1. **Set ControlLock**
   http://172.16.14.42/mmsp/communication/controlLock/set?Unlocked

2. **Set Control**
   http://172.16.14.42/mmsp/communication/control/set?release