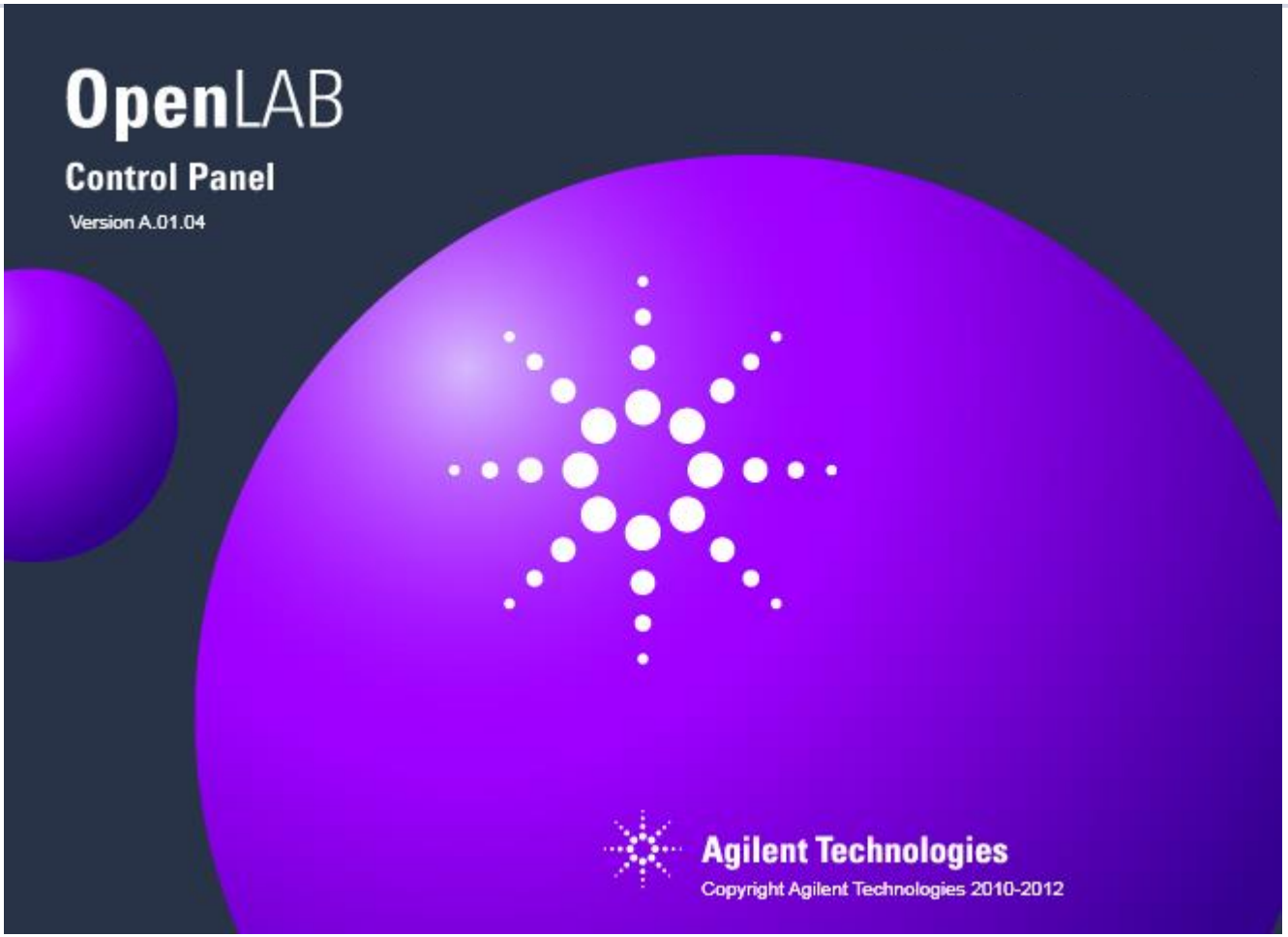
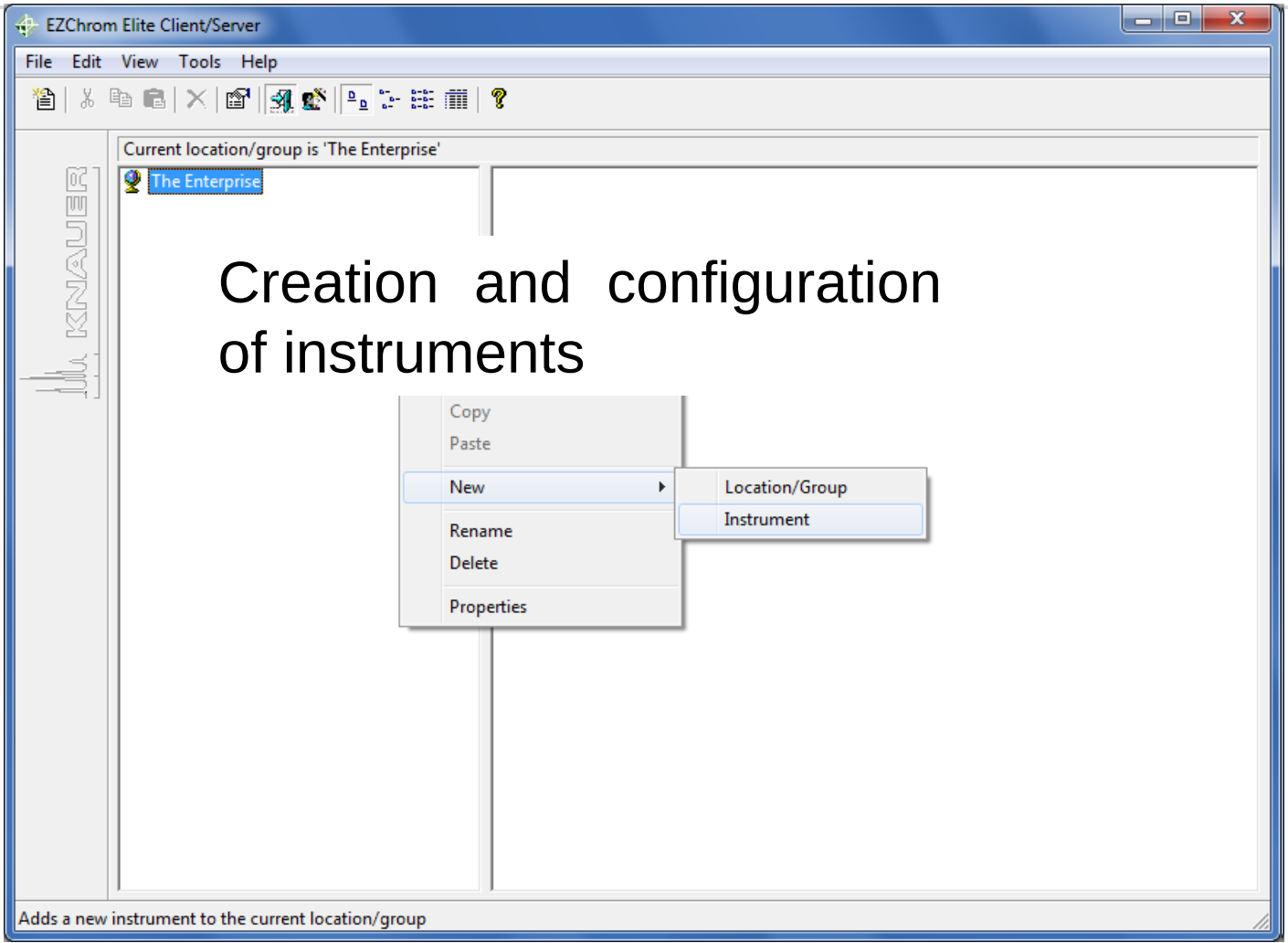
Introduction OpenLAB – Control Panel



This is how it works with ChromGate

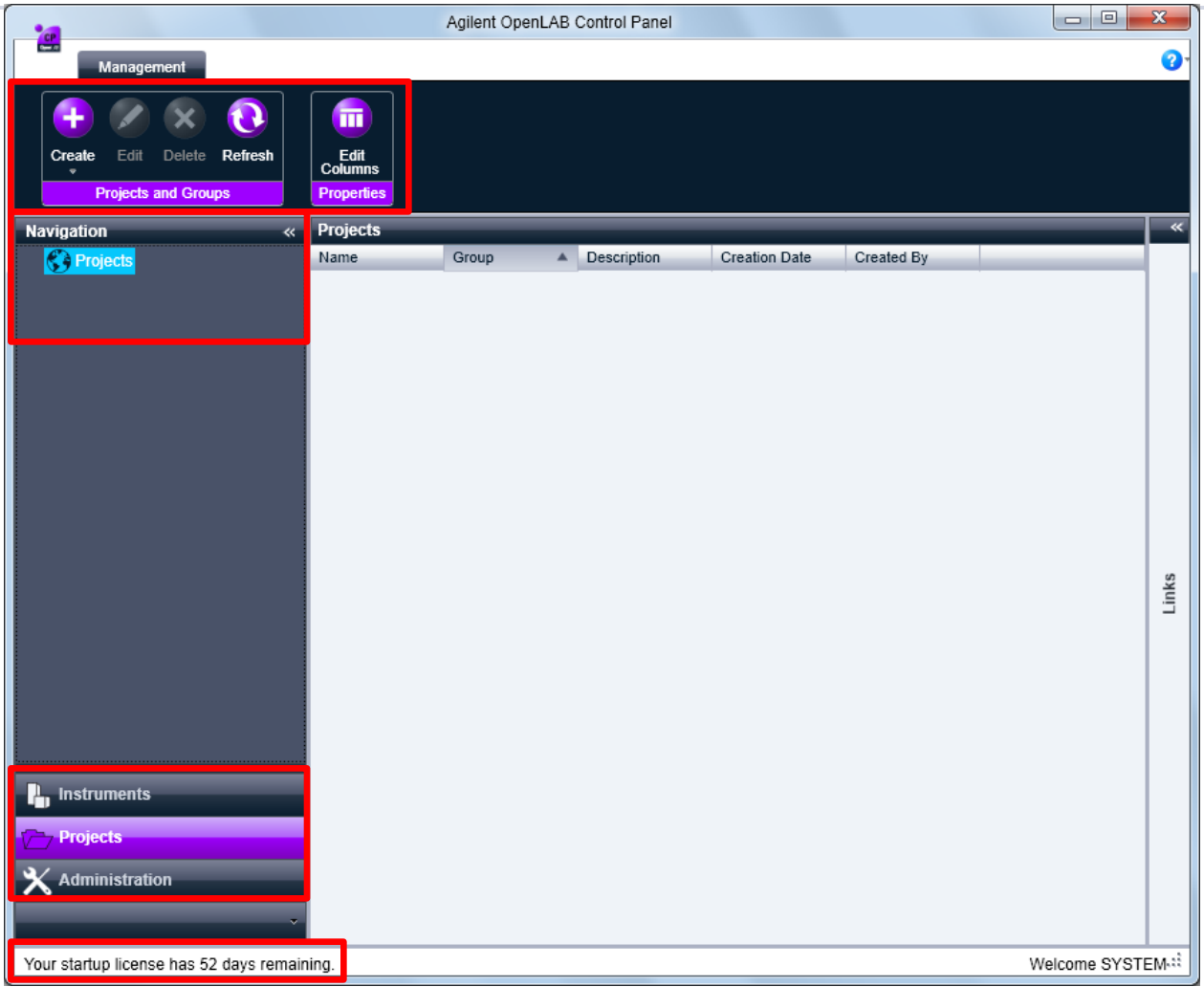


KNAUER

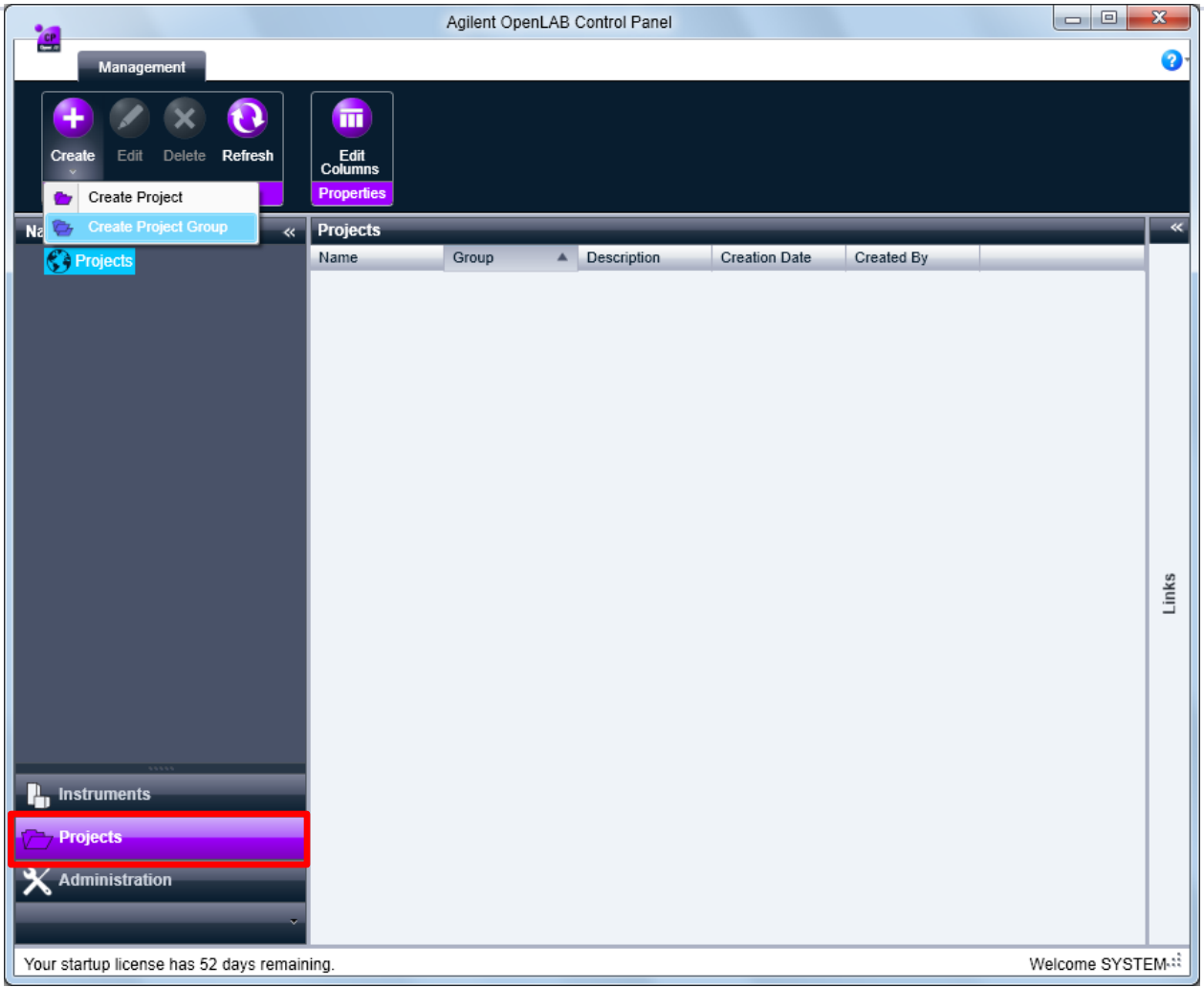
OpenLAB Control Panel (1)

- The control panel displaces the EZChrom Main Window as the administration surface
  - Creation of projects, users, instruments
  - Configuration of instruments
  - Integration of licenses
  - Integration of printers
  - Display of System Activity Log

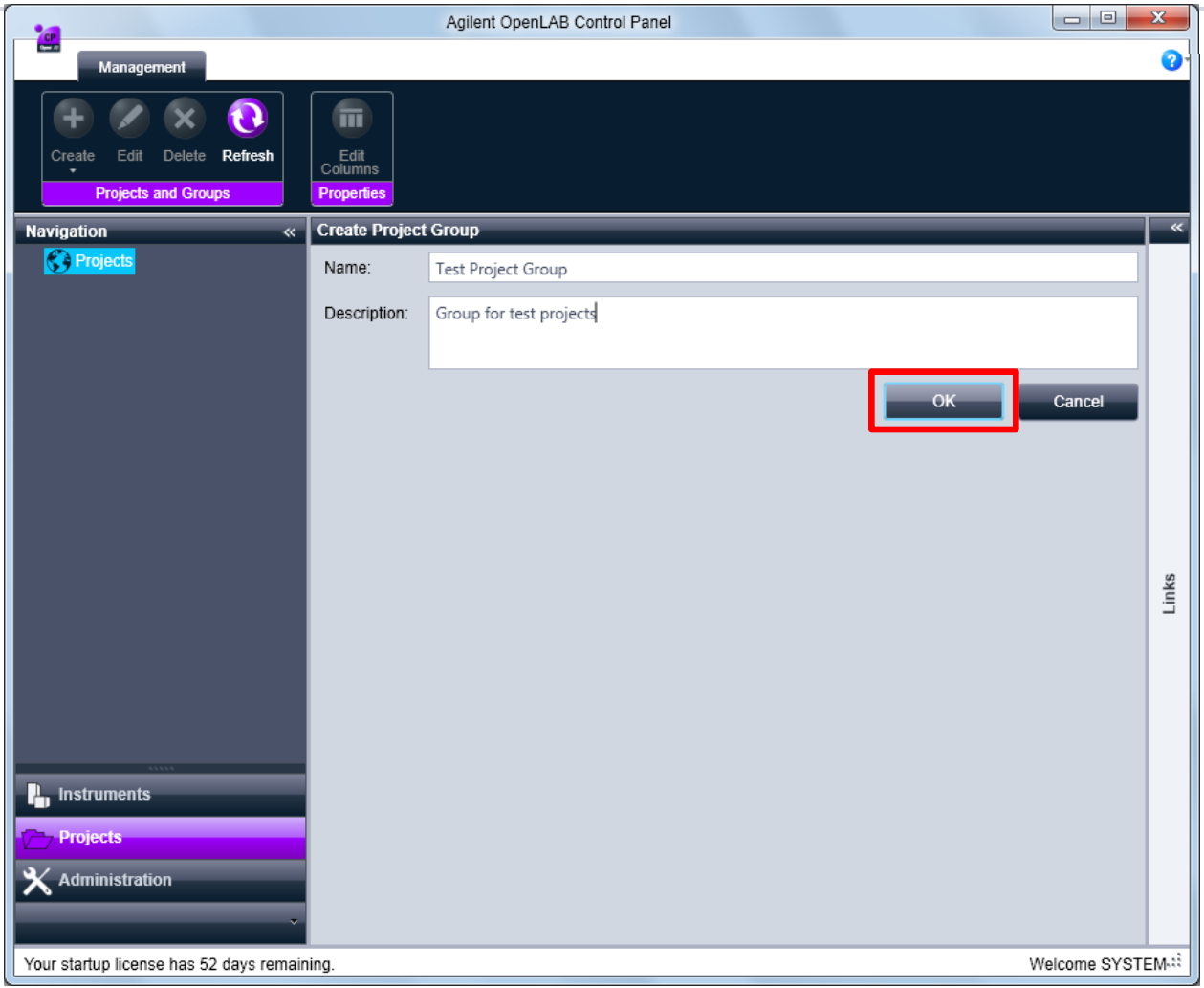
OpenLAB Control Panel (2)



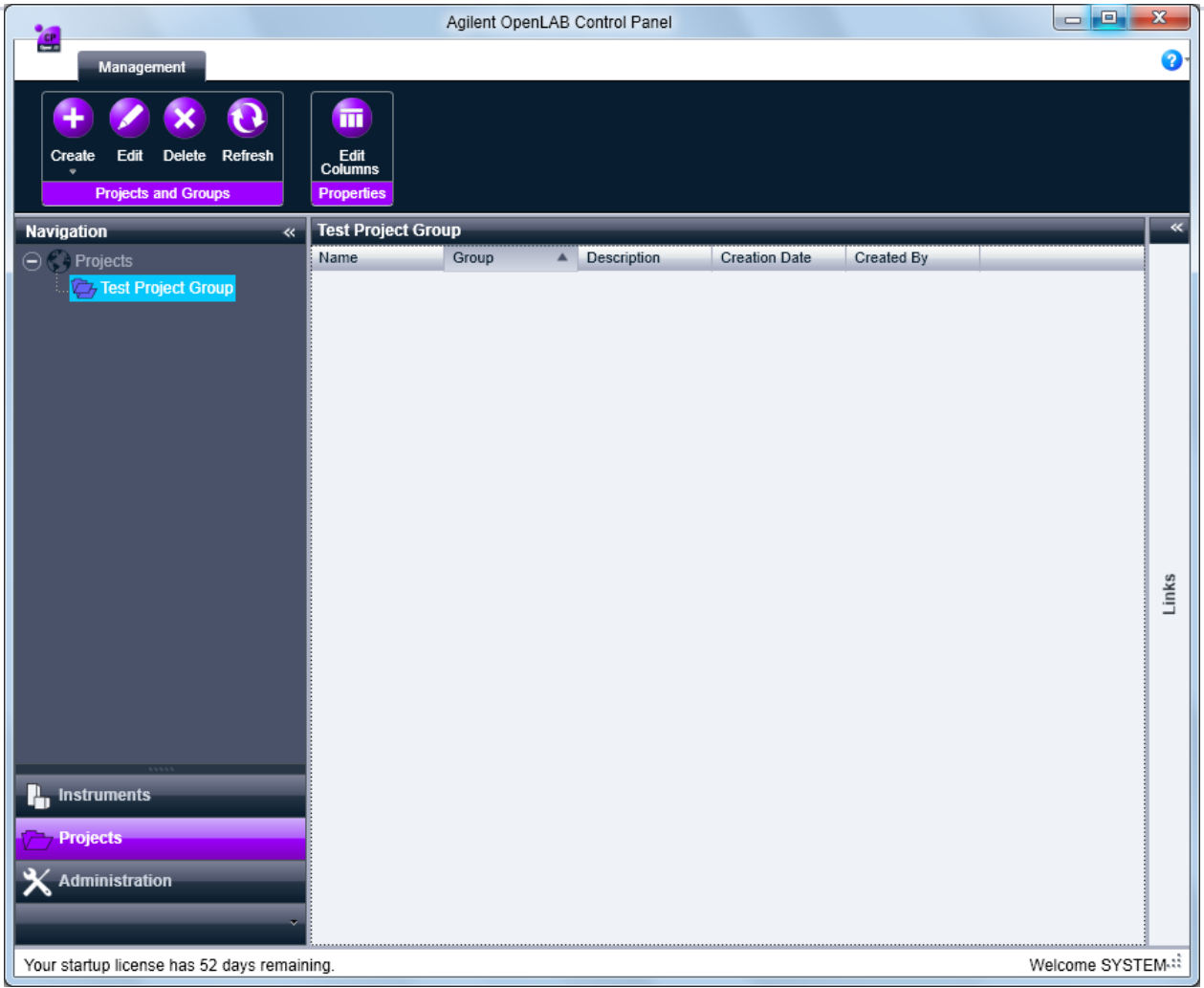
Creation of a project group (1)



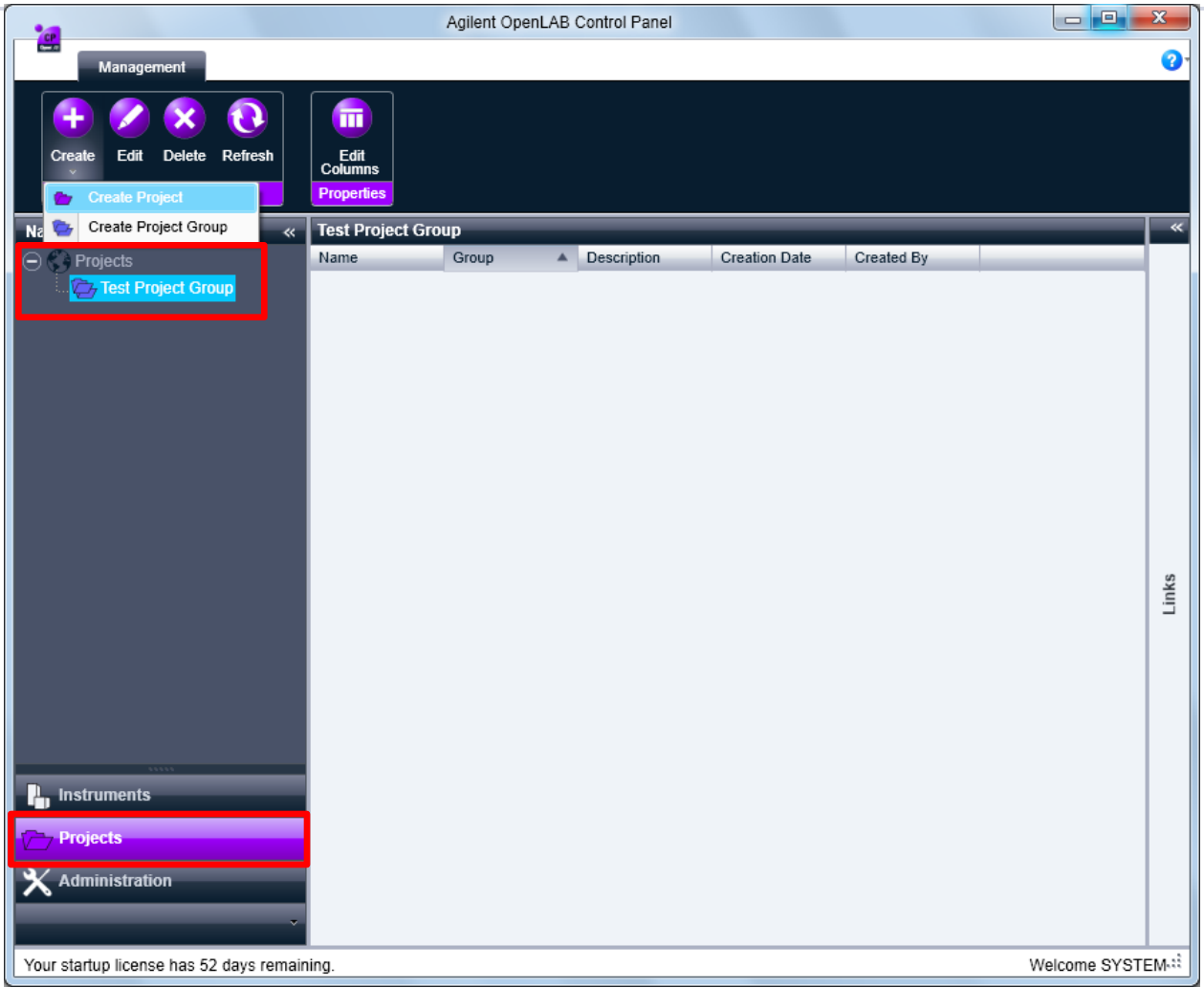
Creation of a project group (2)



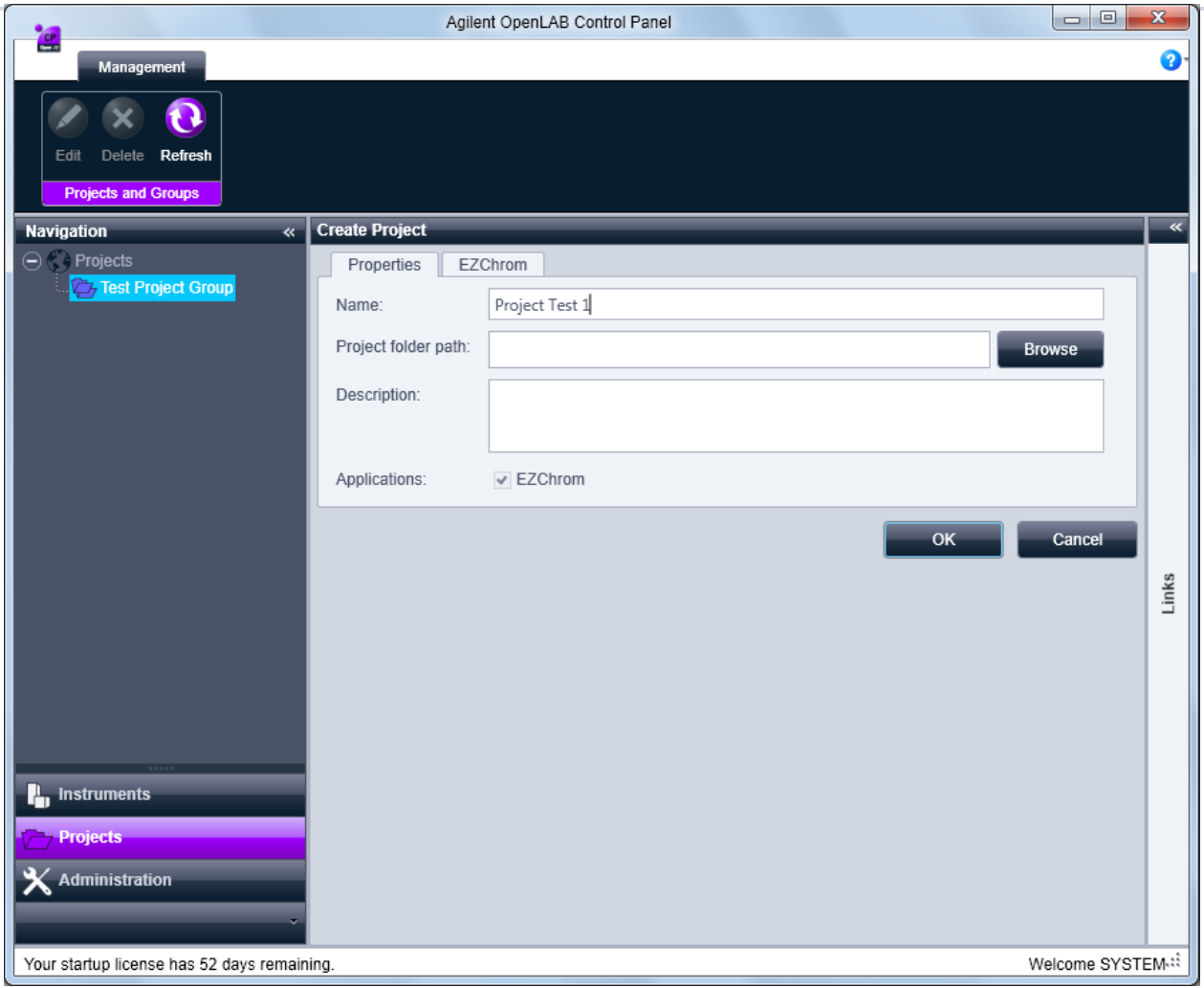
Creation of a project group (3)



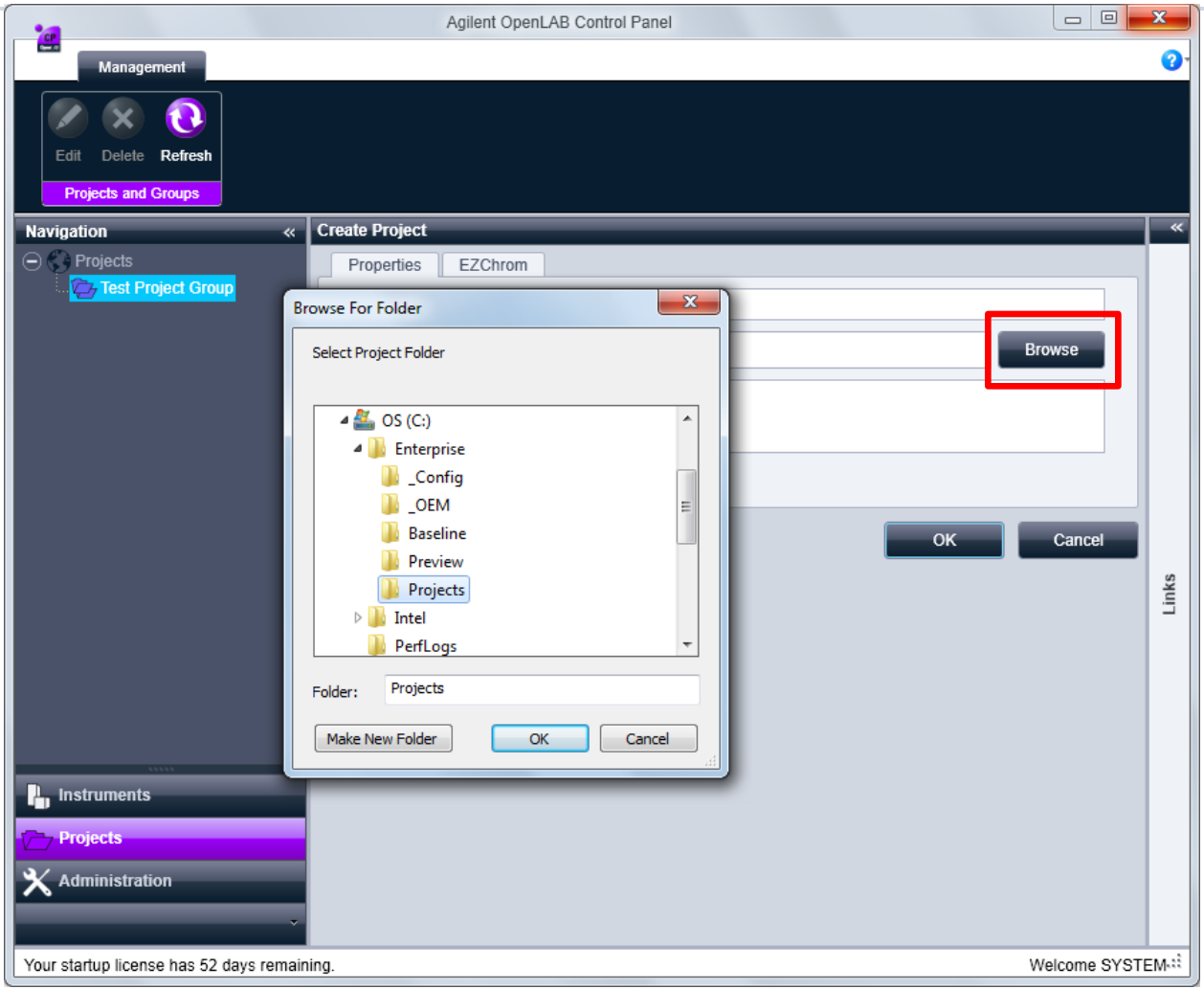
Creation of a project group (1)



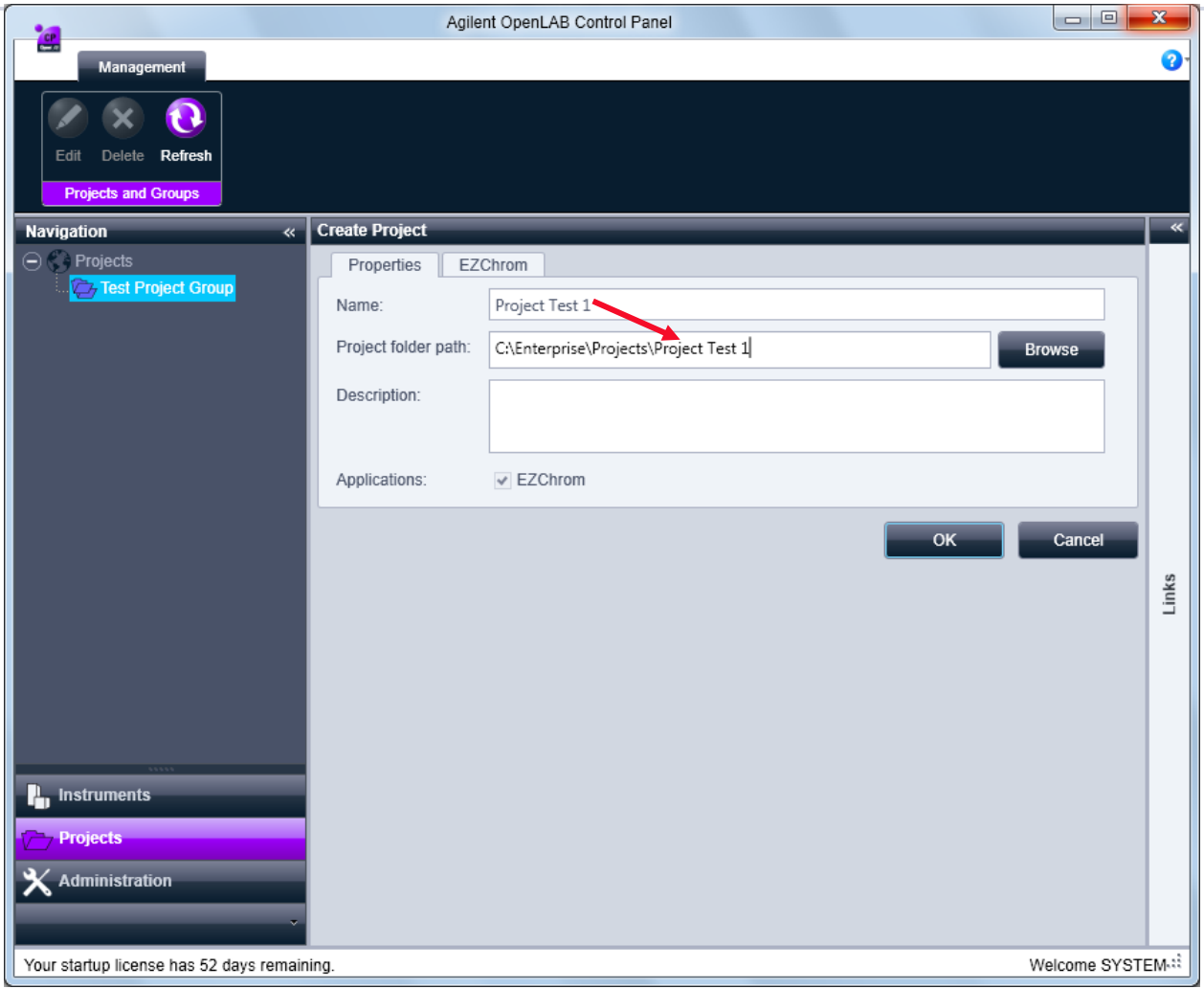
Creation of a project group (2)



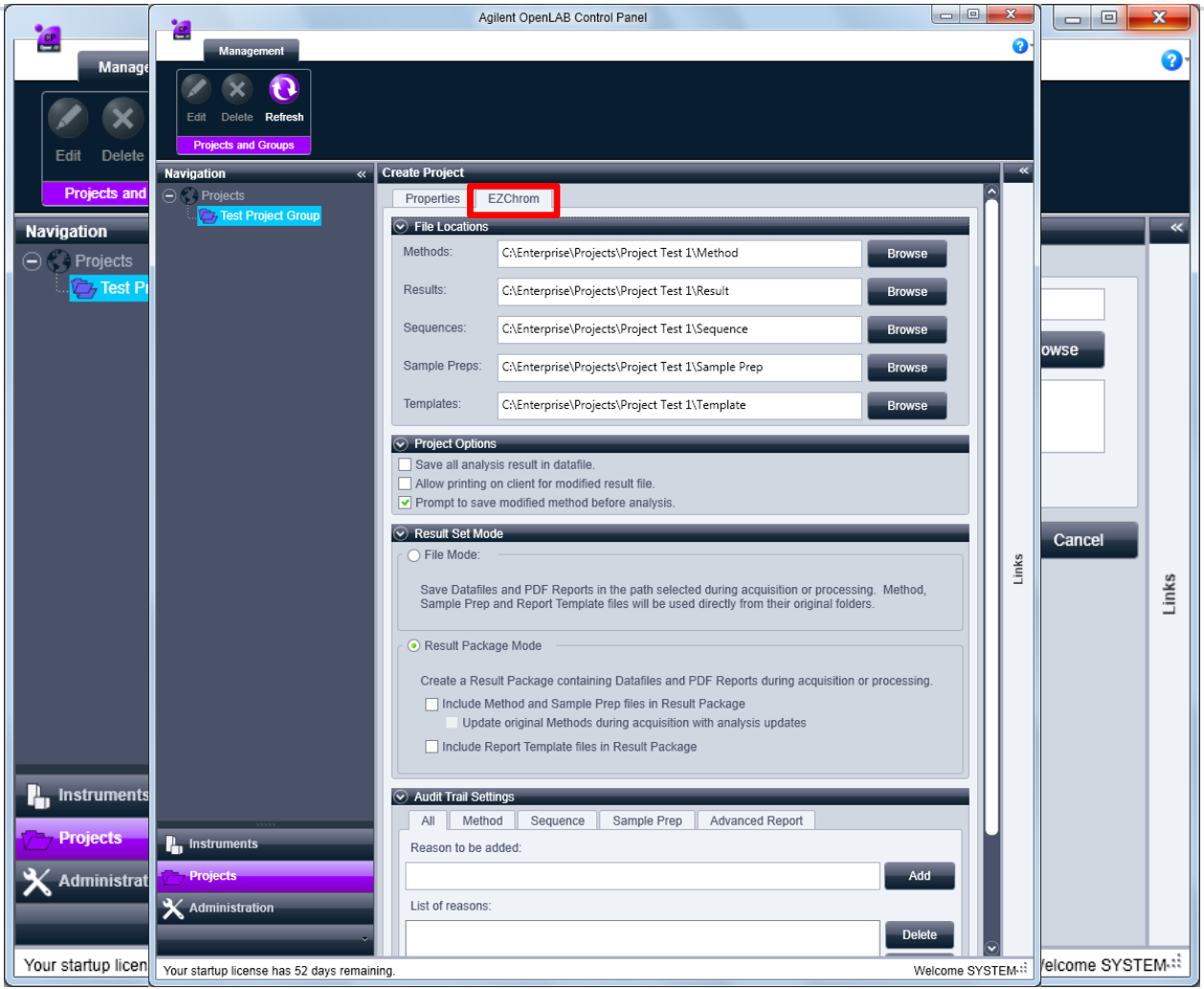
Creation of a project group (3)



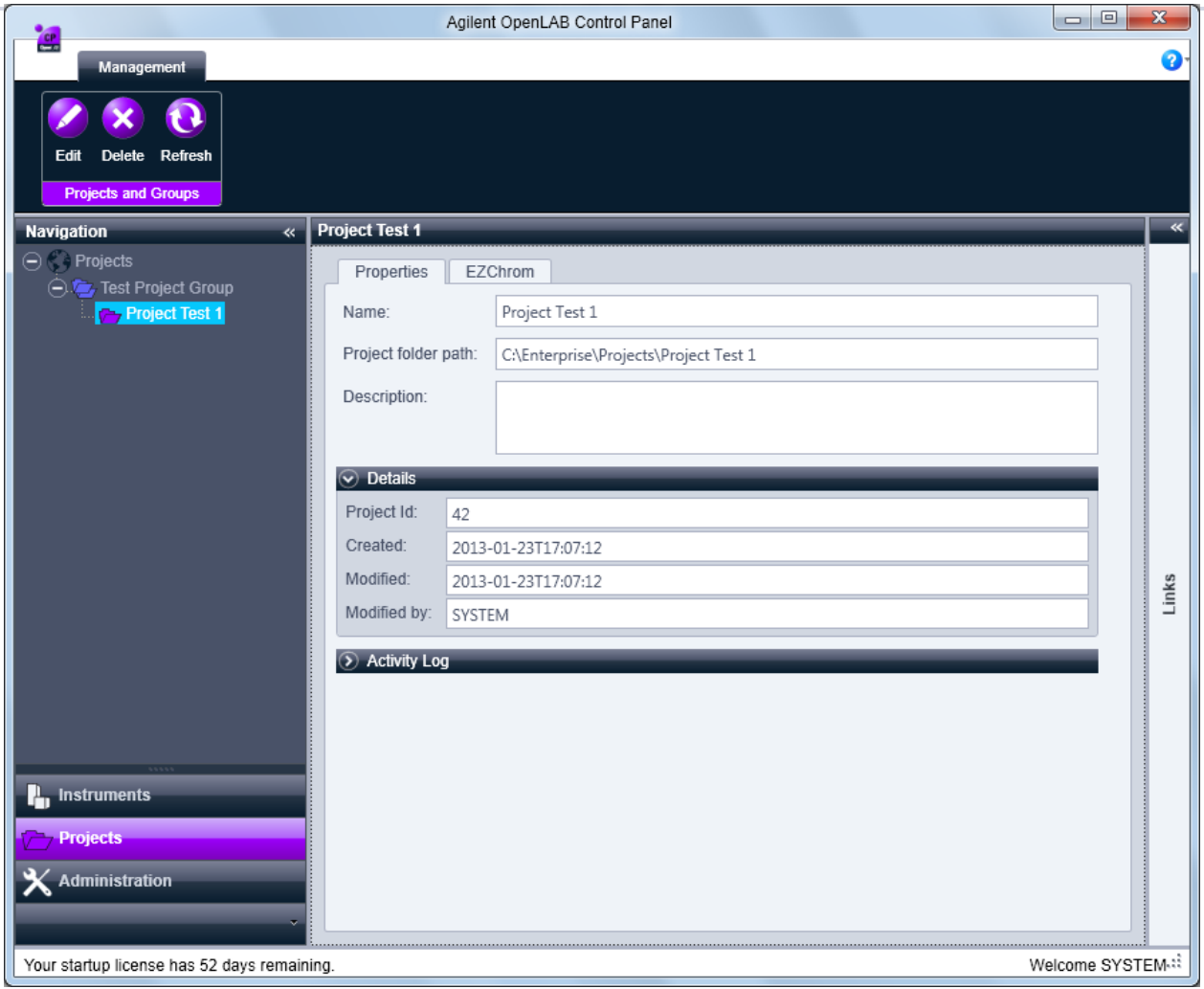
Creation of a project group (4)



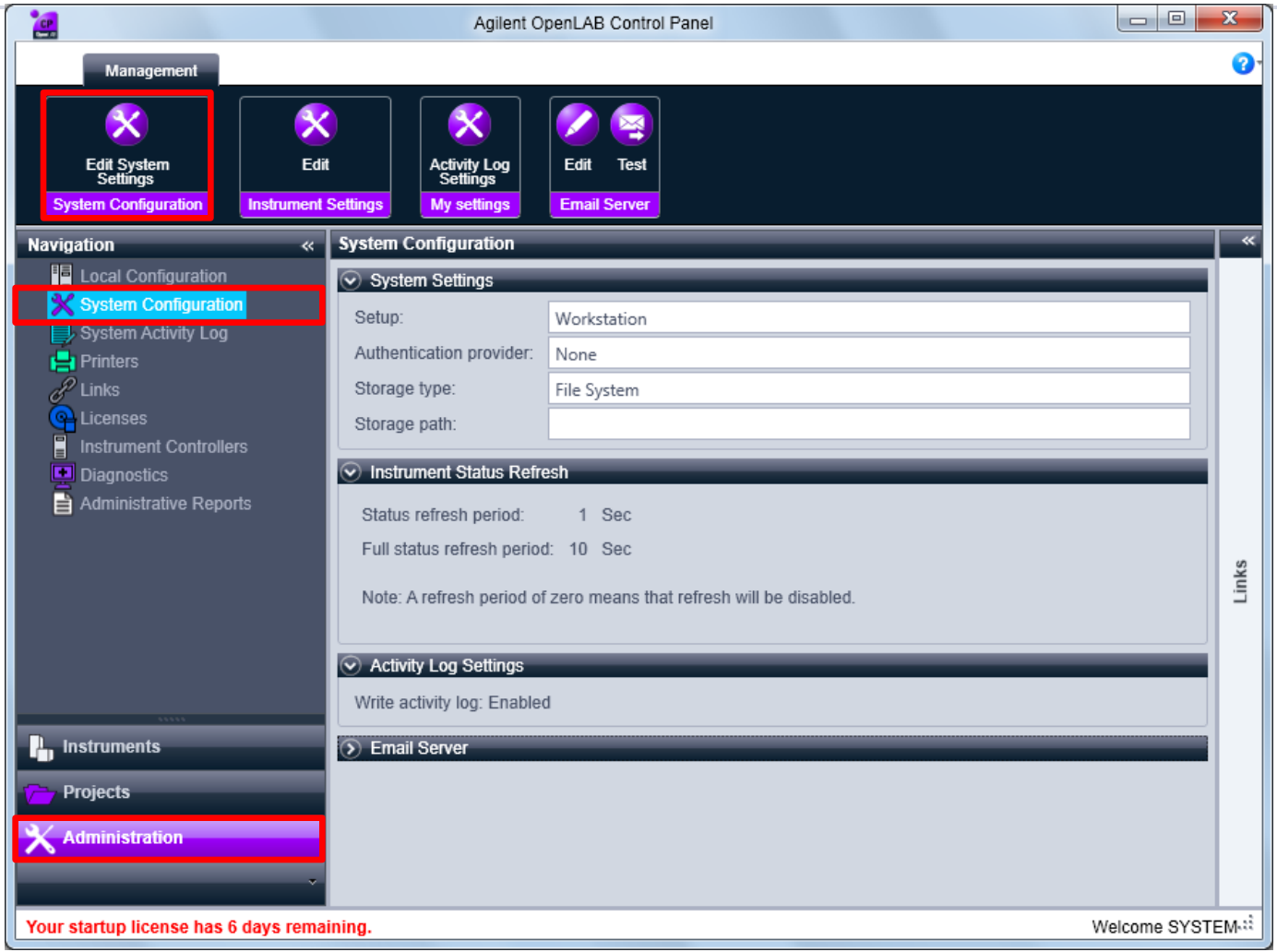
Creation of a project group (5)



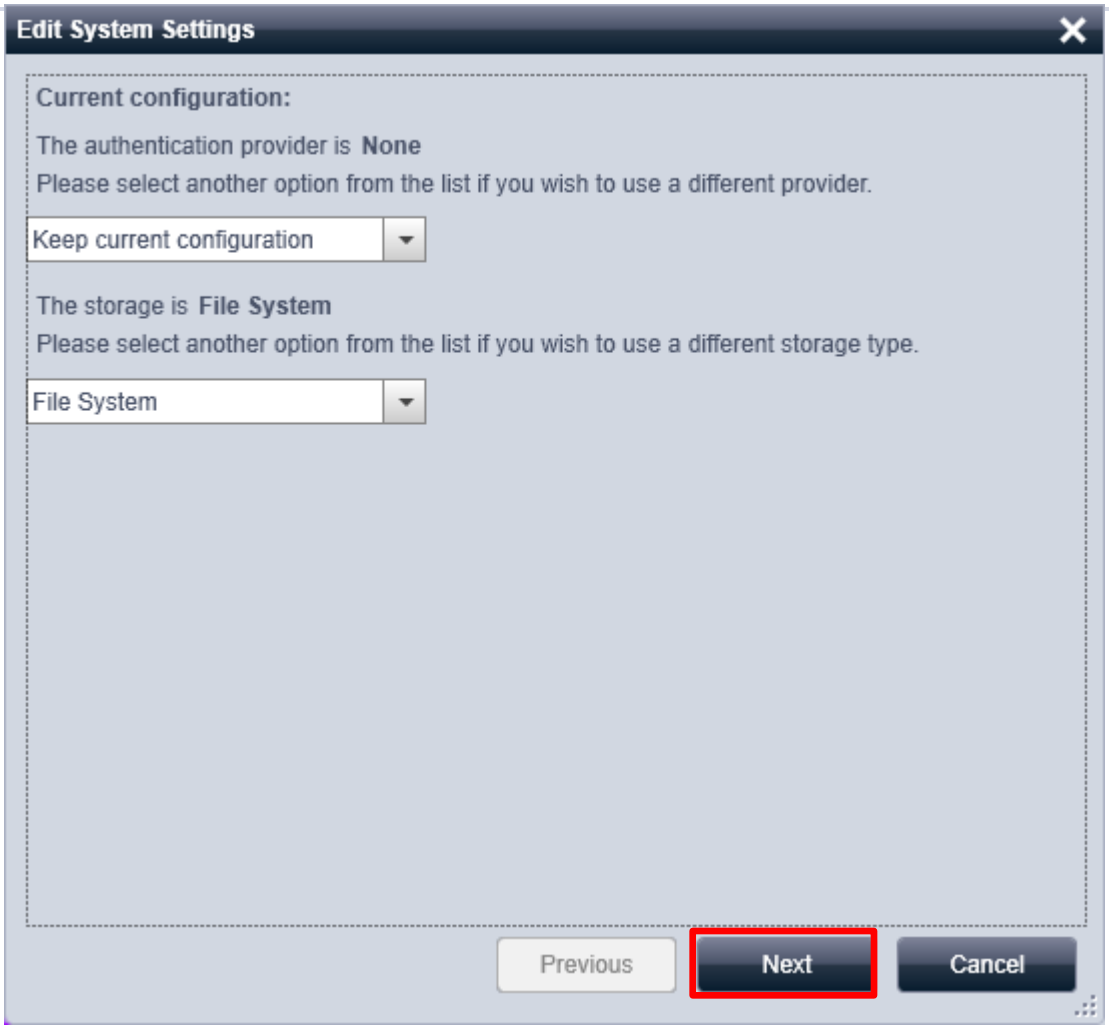
Creation of a project group (6)



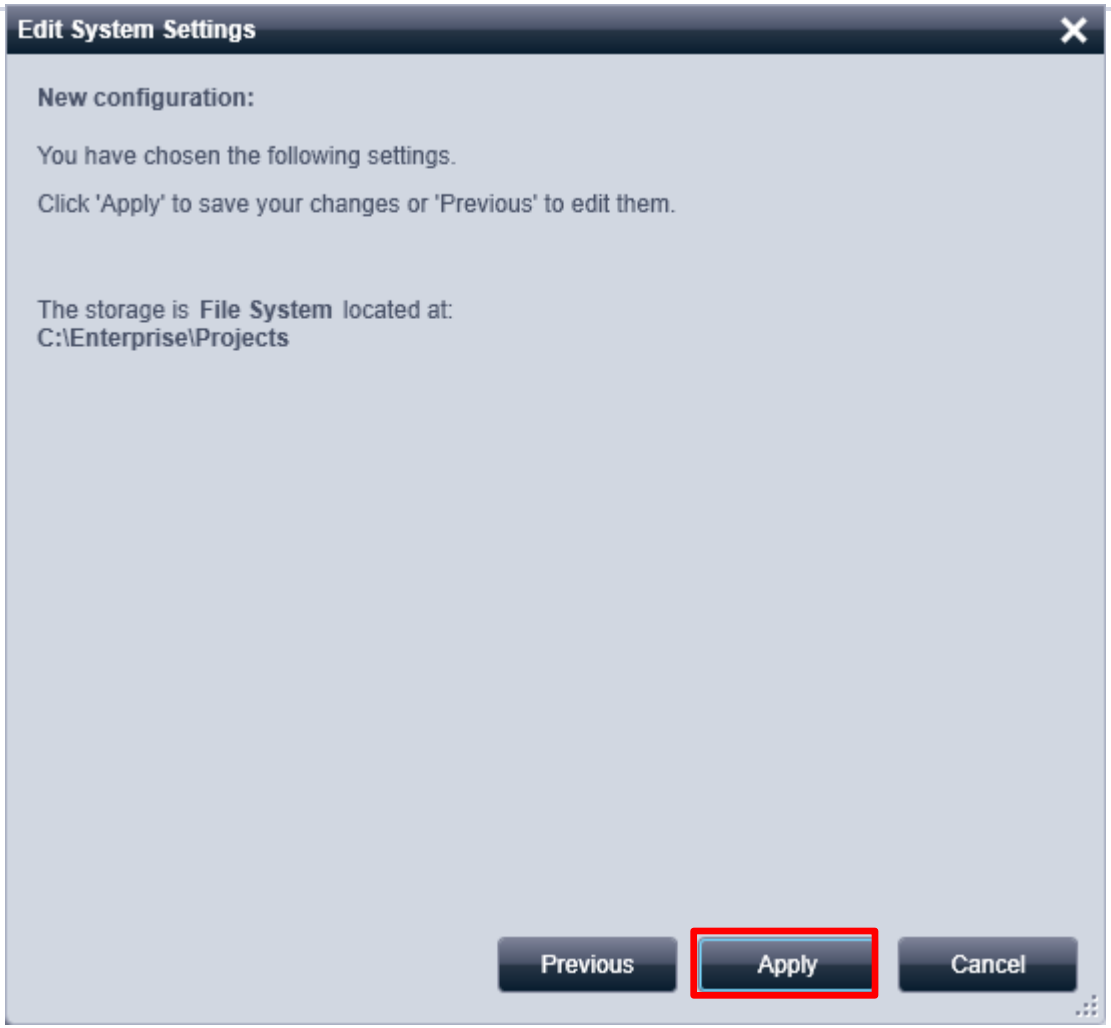
Creation of the storage path (1)



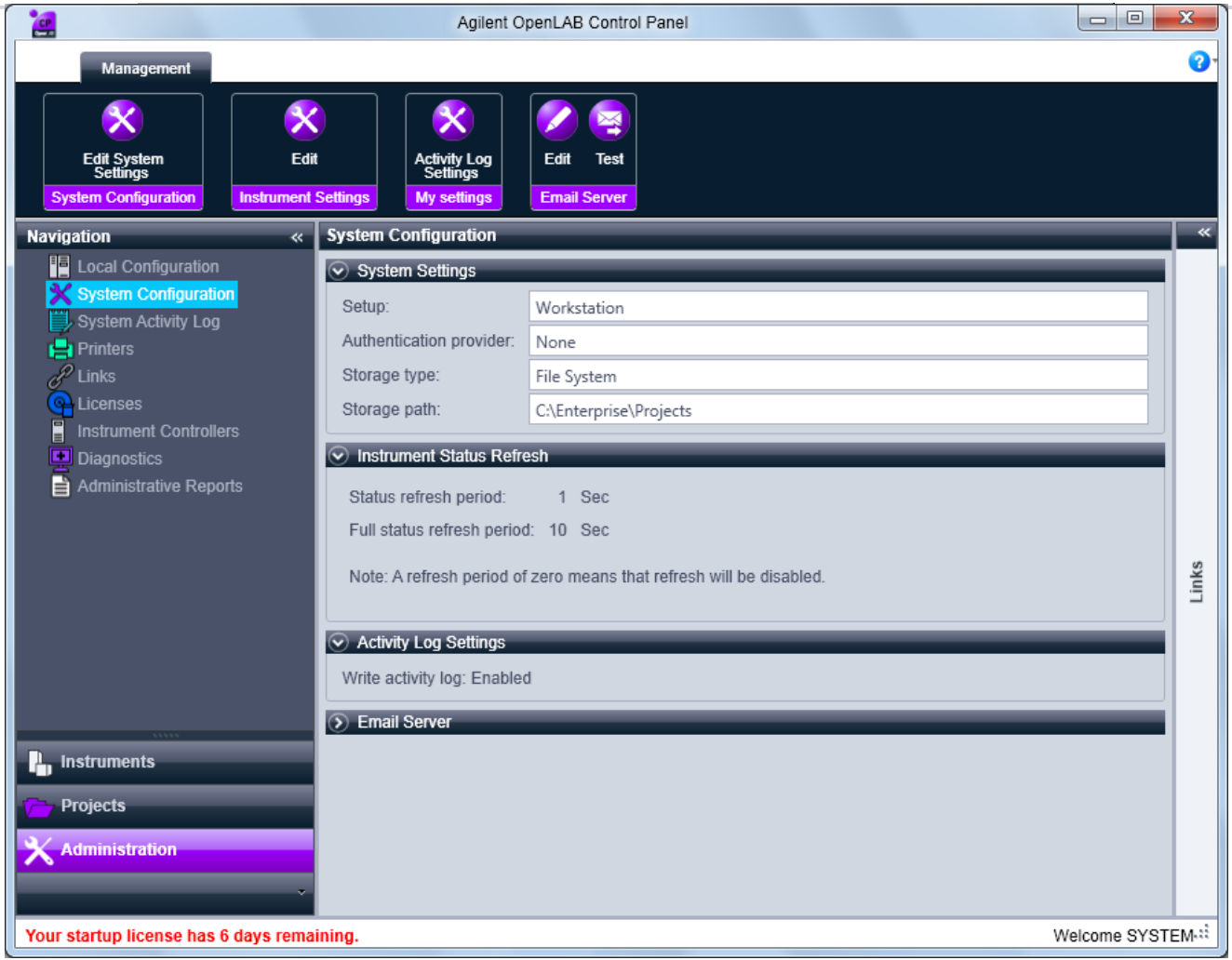
Creation of the storage path (2)



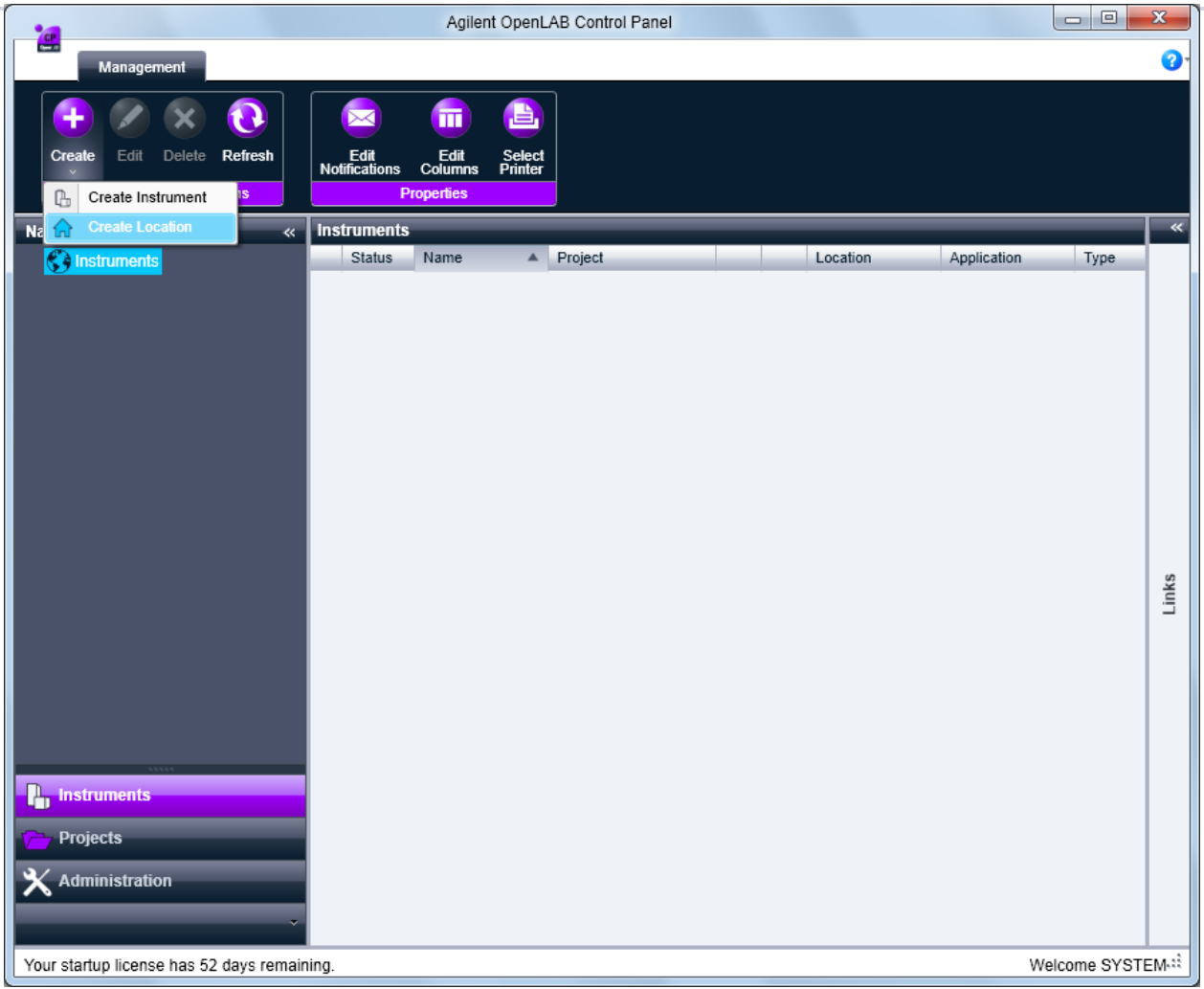
Creation of the storage path (3)



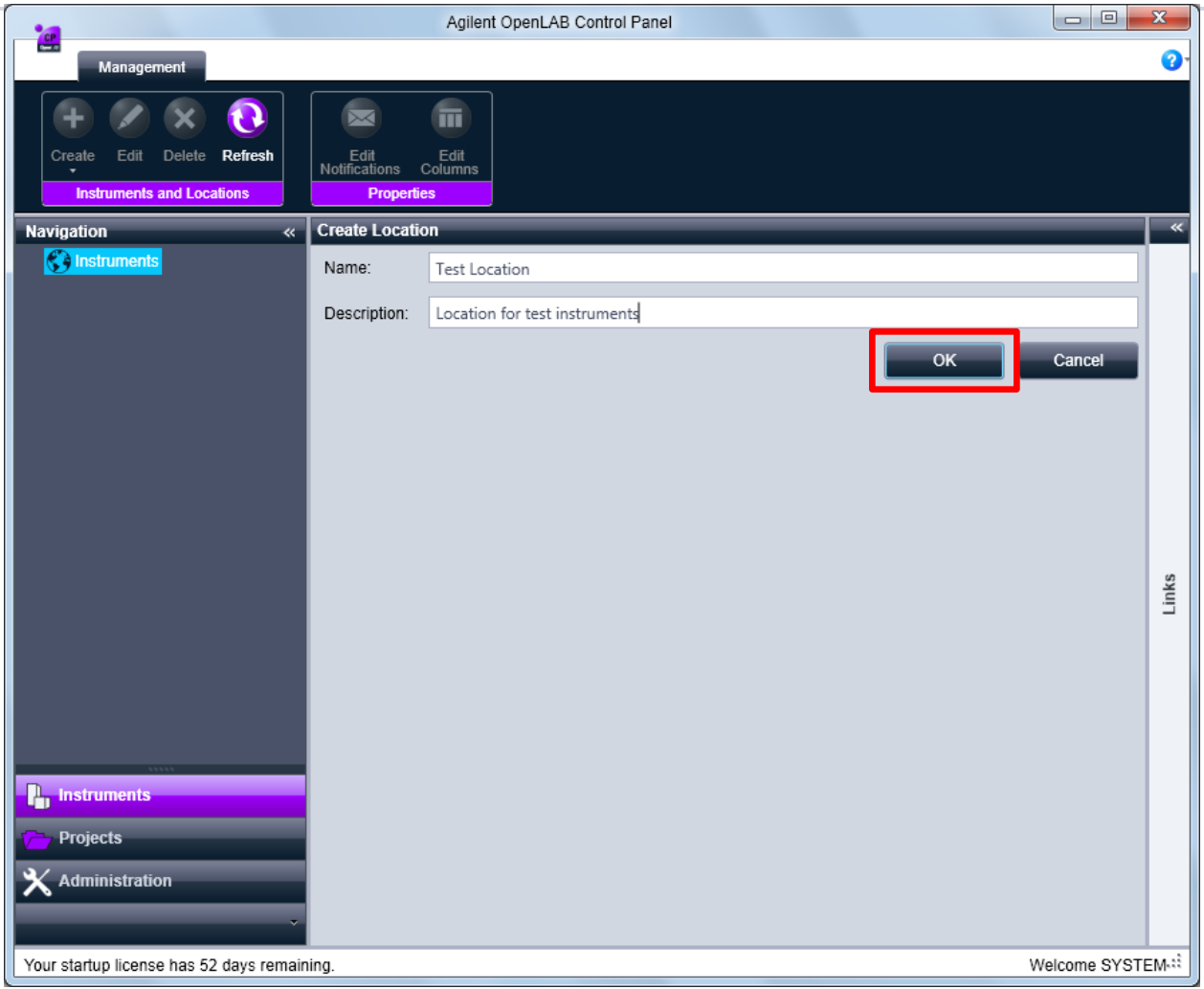
Creation of the storage path (4)



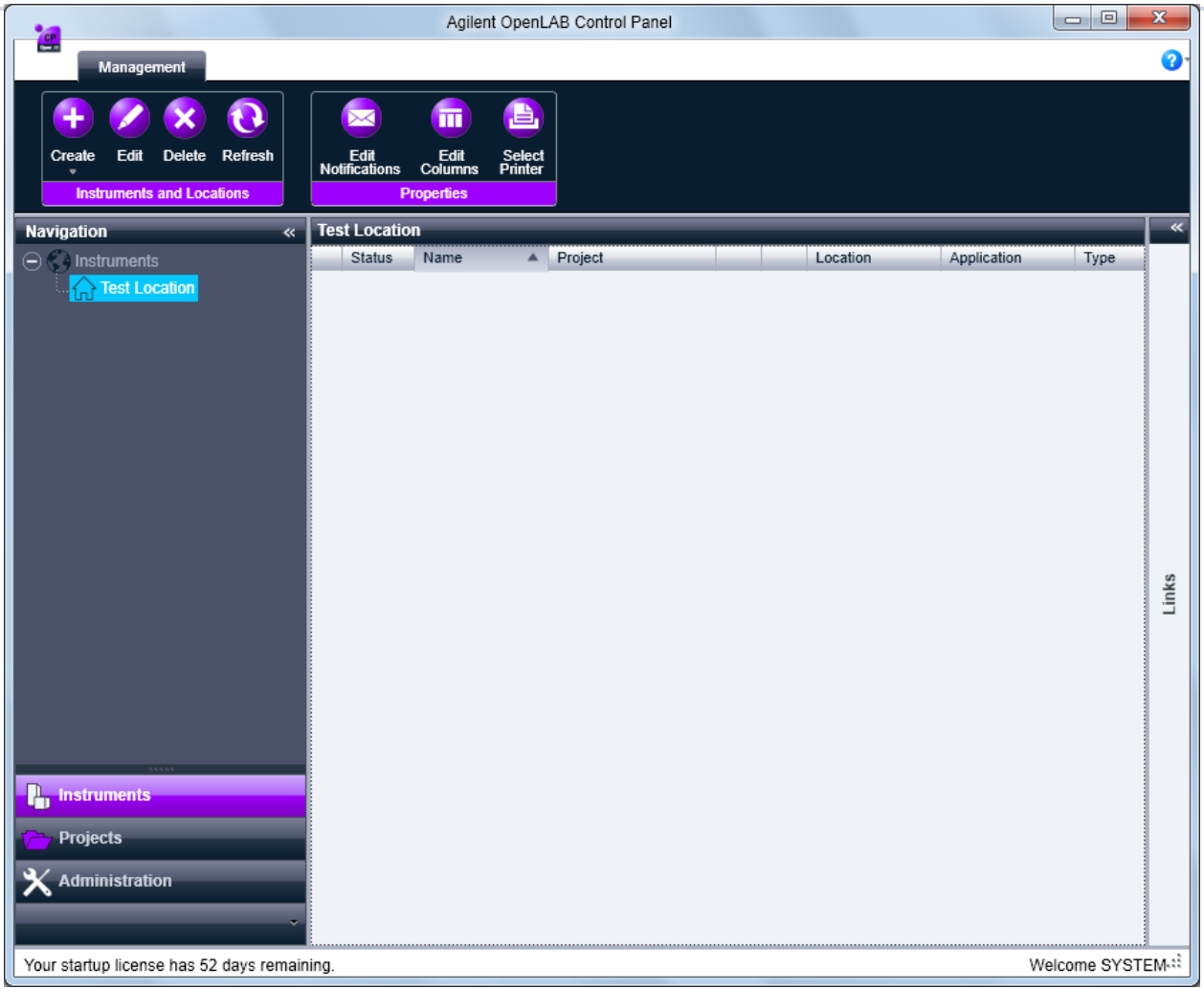
Creation of a location (1)



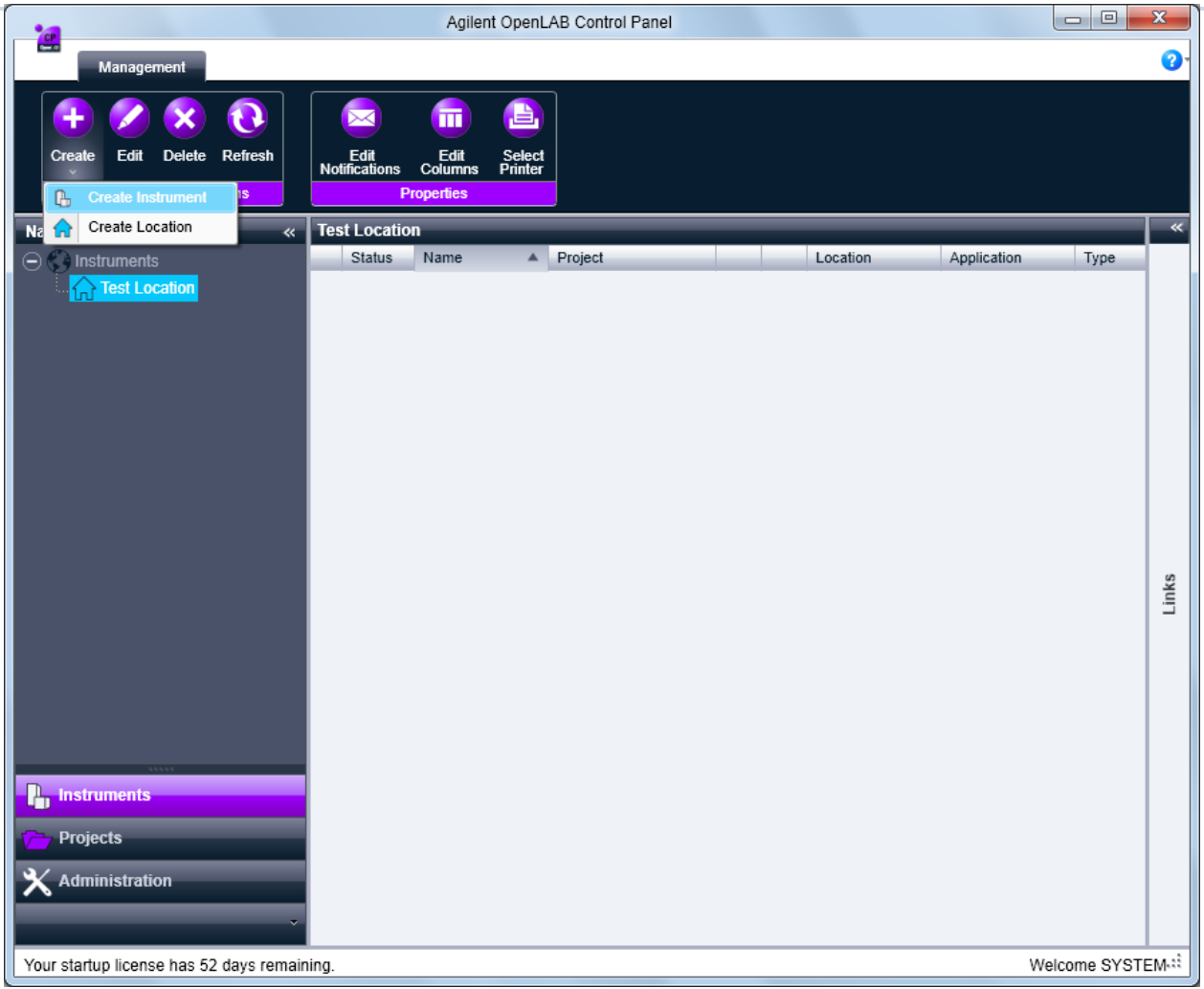
Creation of a location (2)



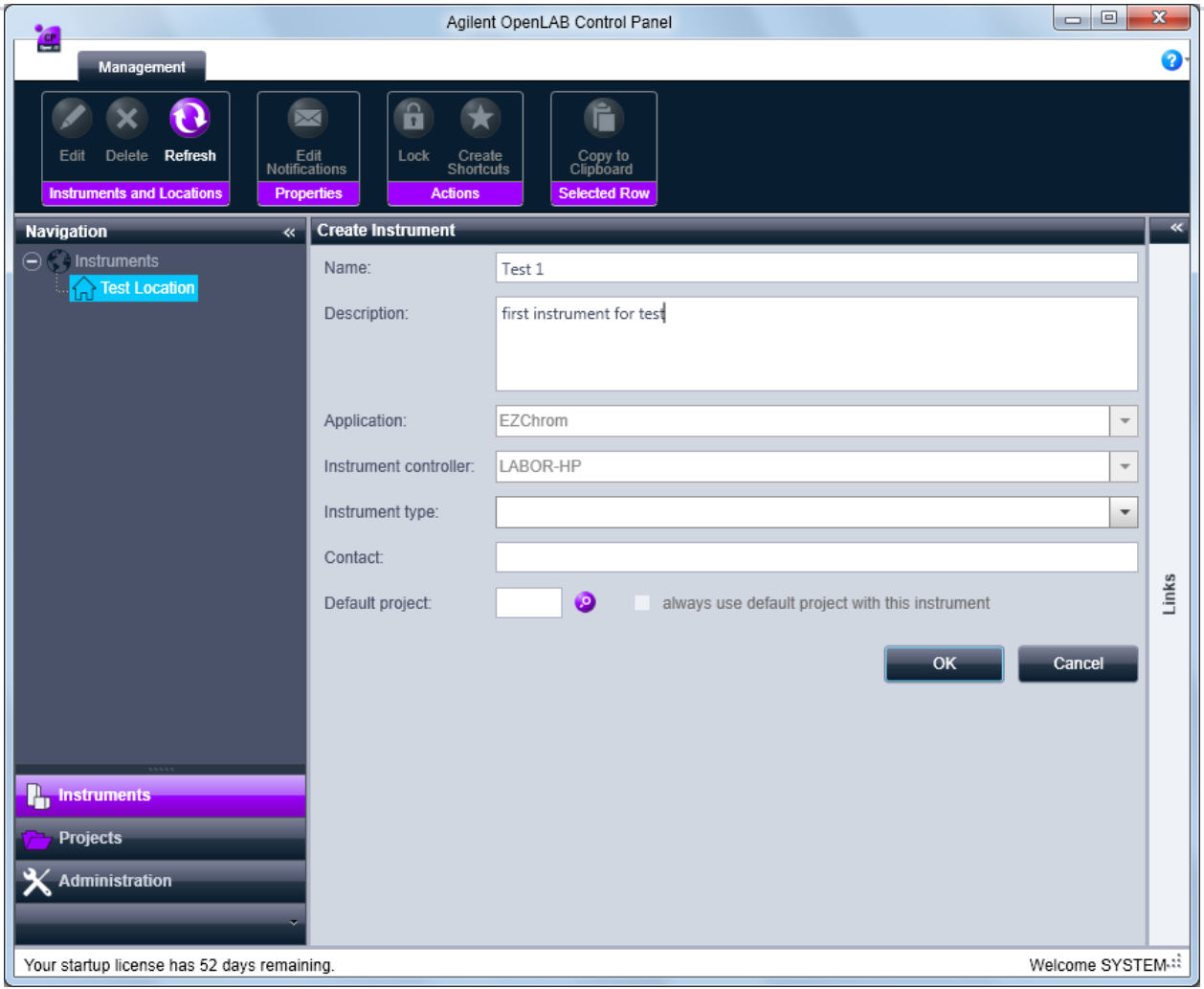
Creation of a location (3)



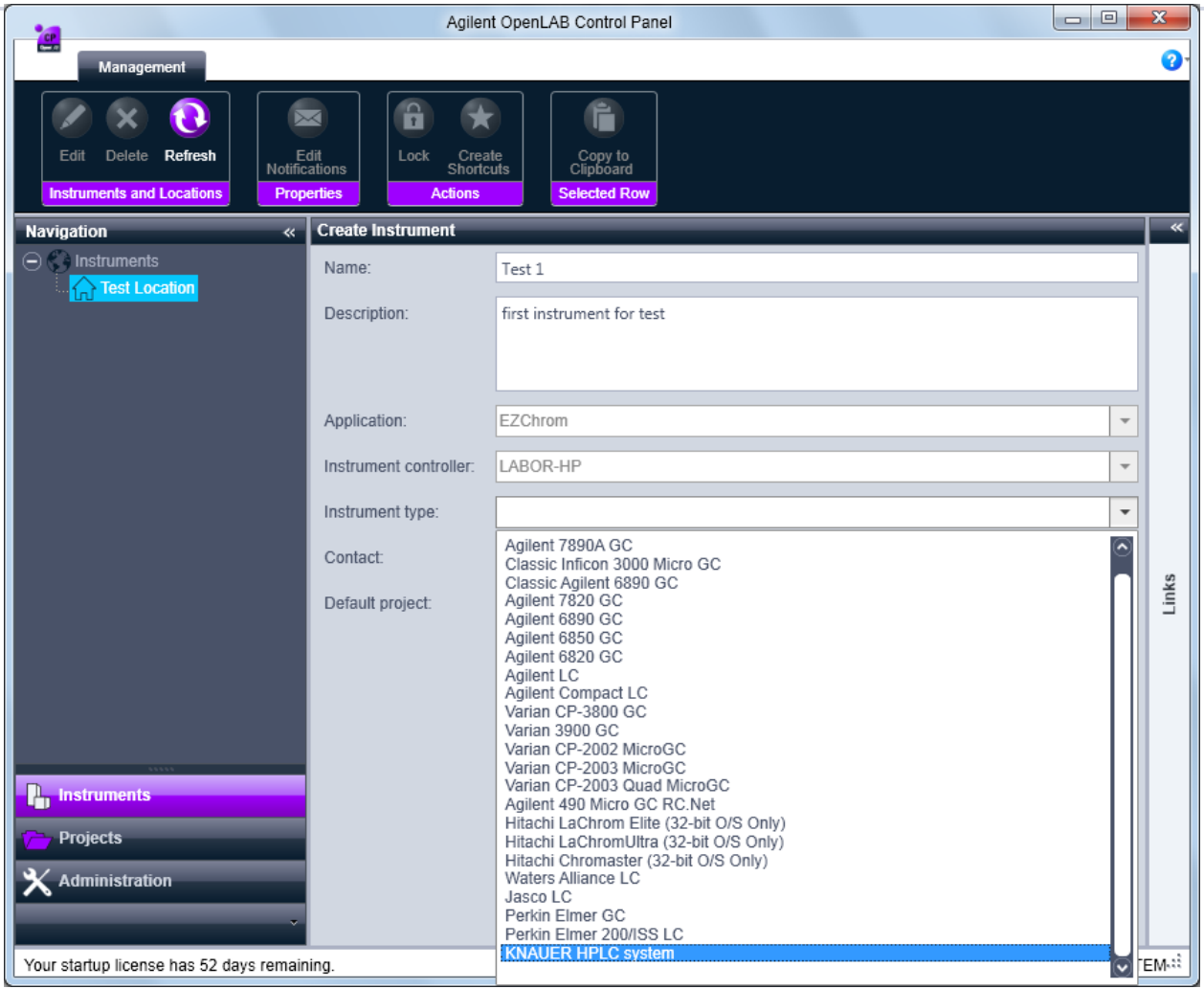
Creation of an instrument (1)



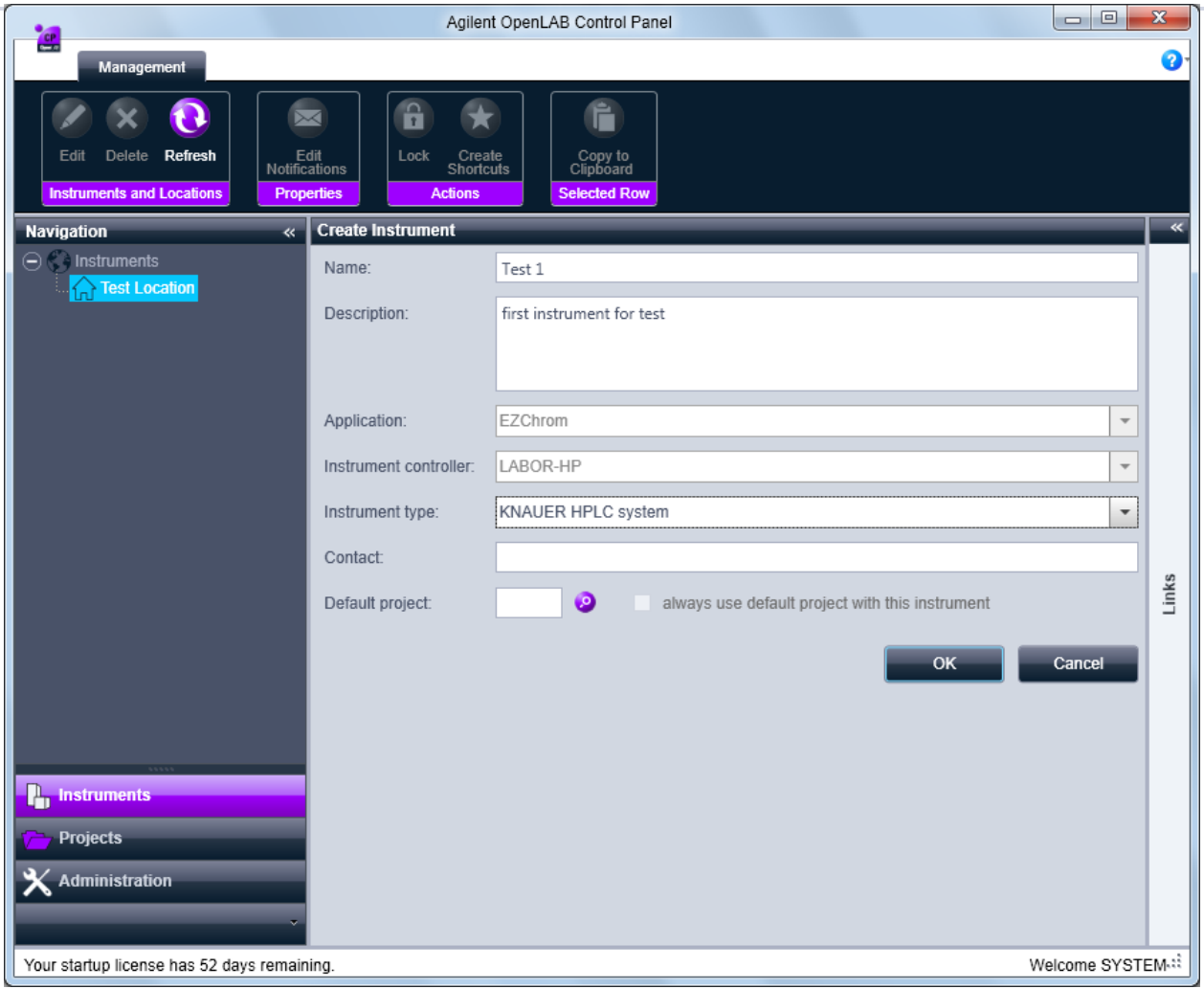
Creation of an instrument (2)



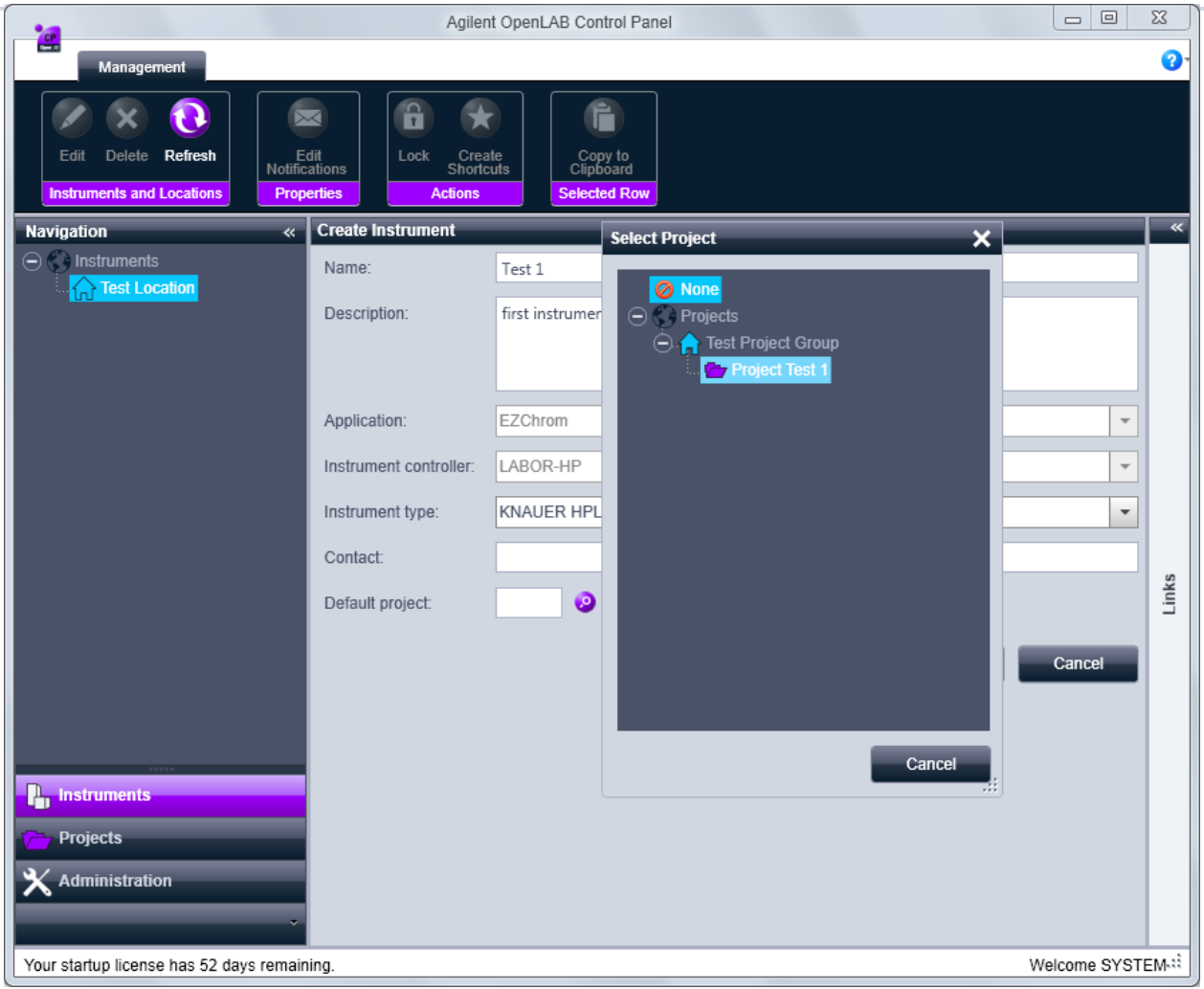
Creation of an instrument (3)



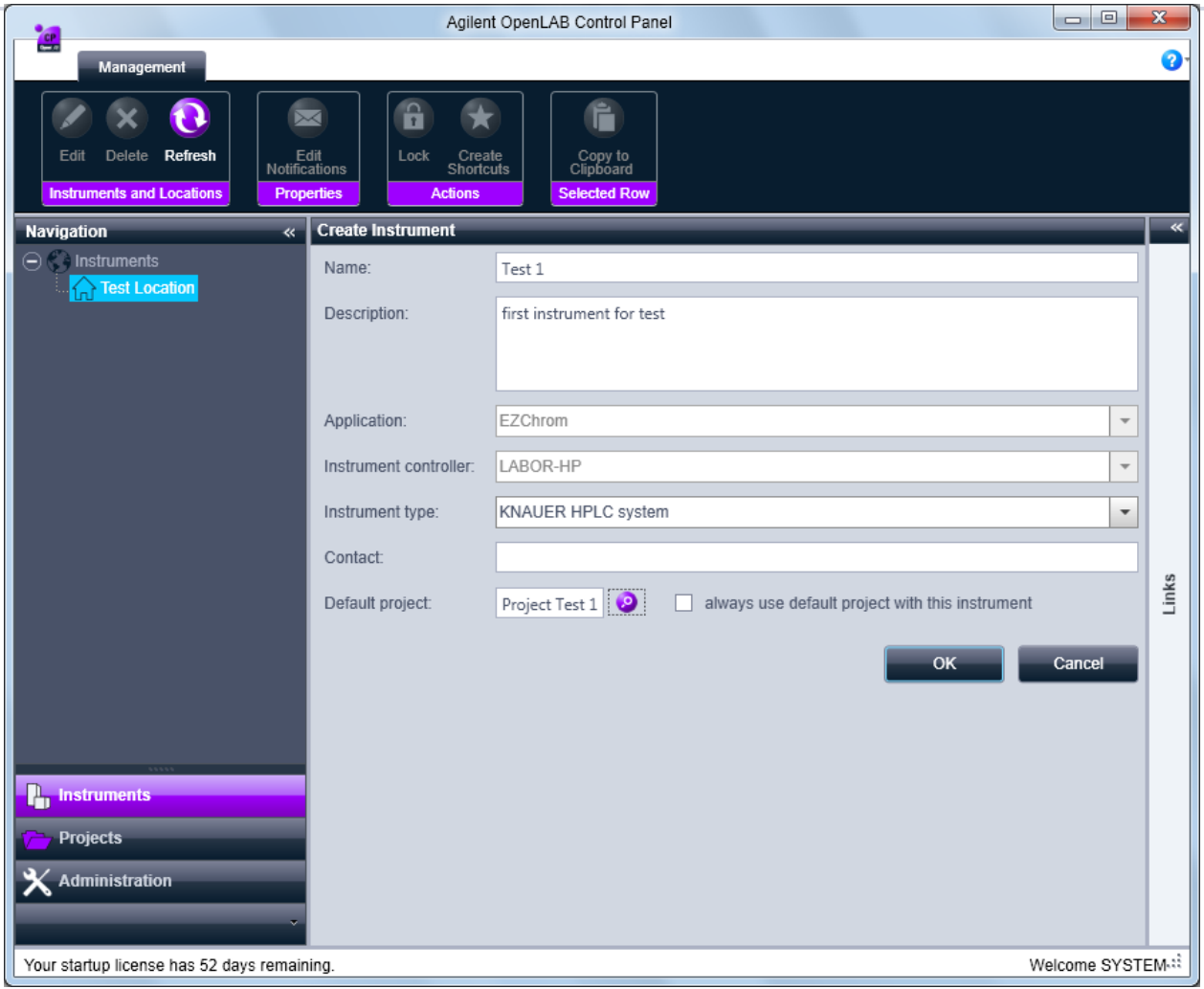
Creation of an instrument (4)



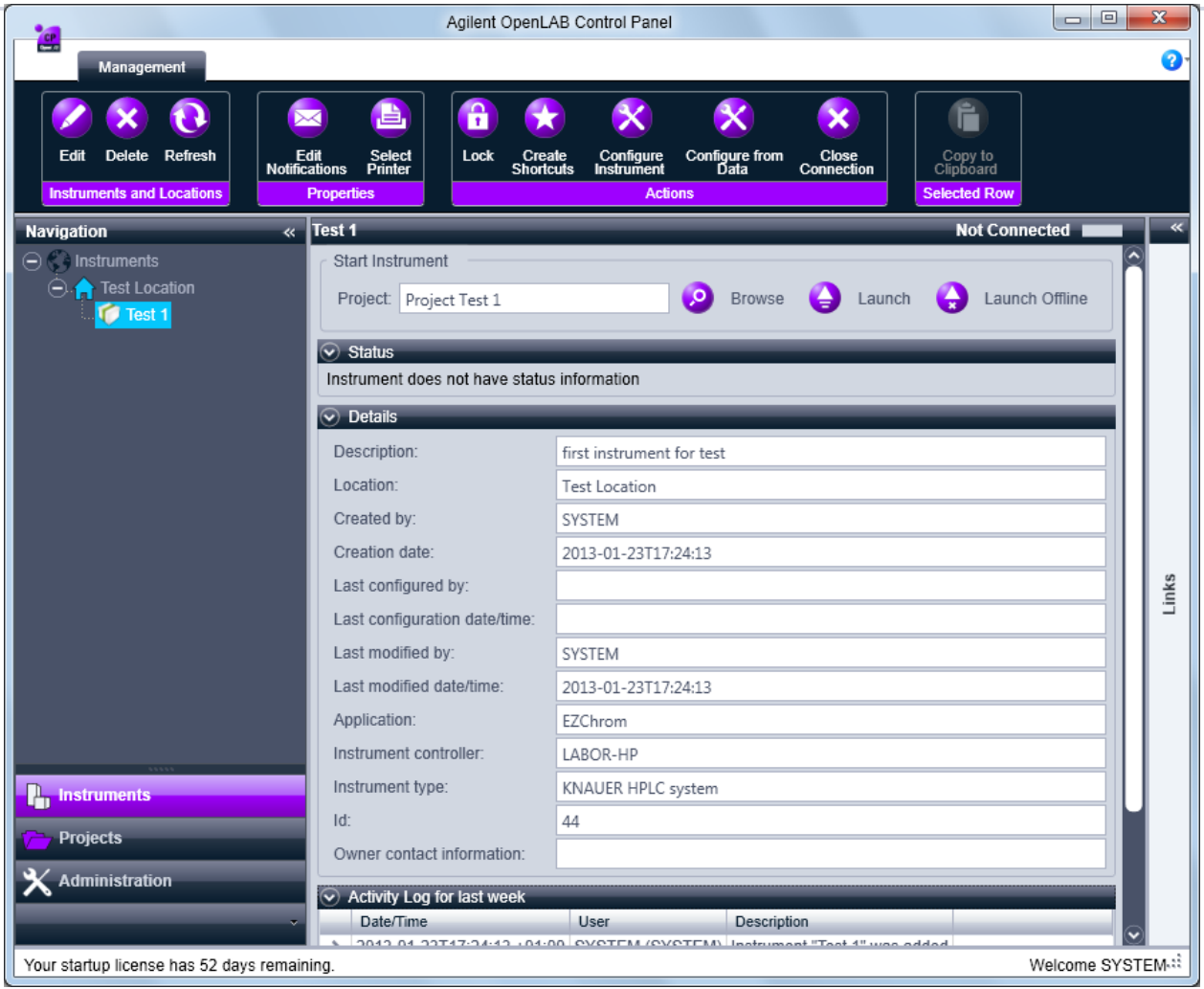
Creation of an instrument (5)



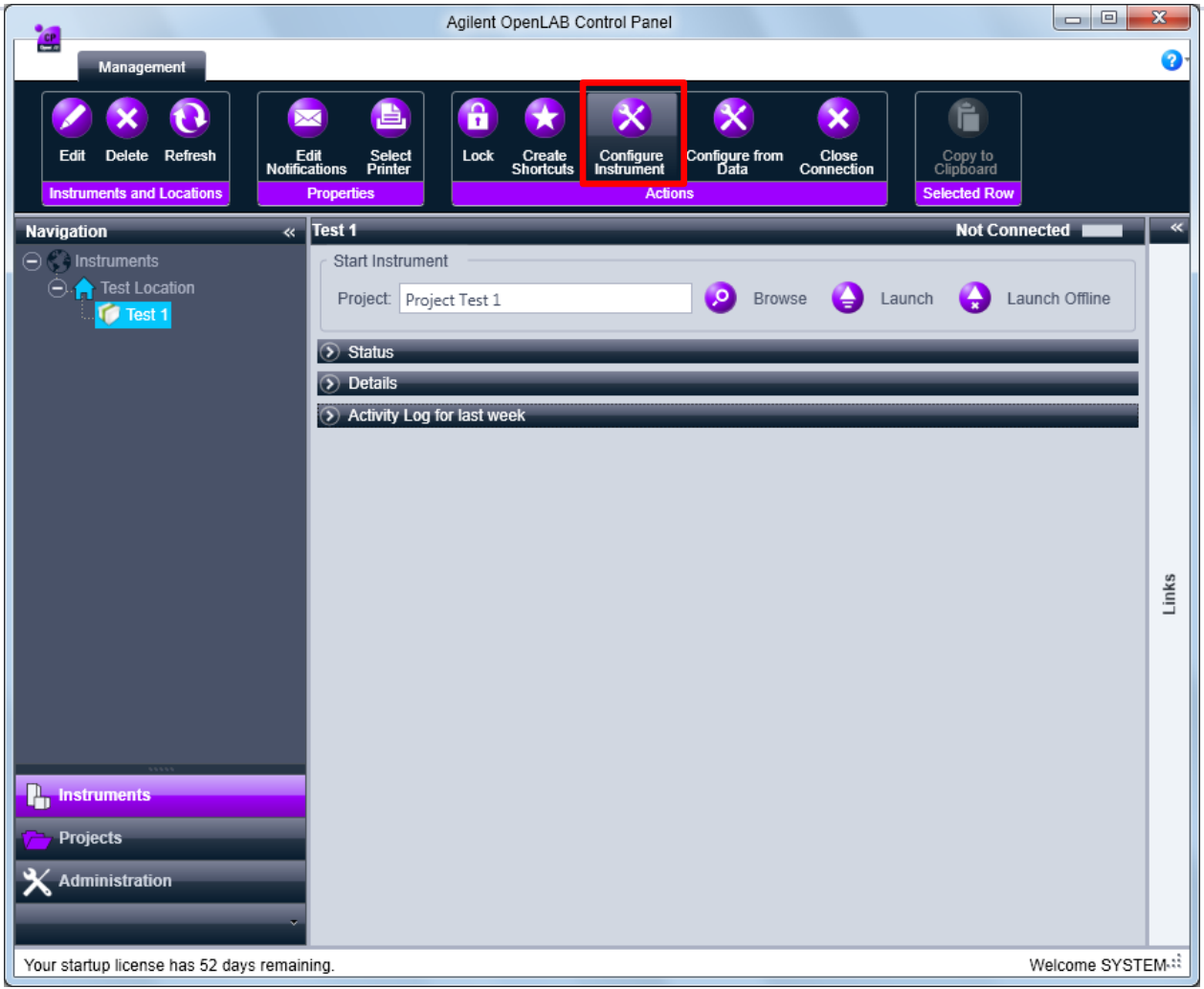
Creation of an instrument (6)



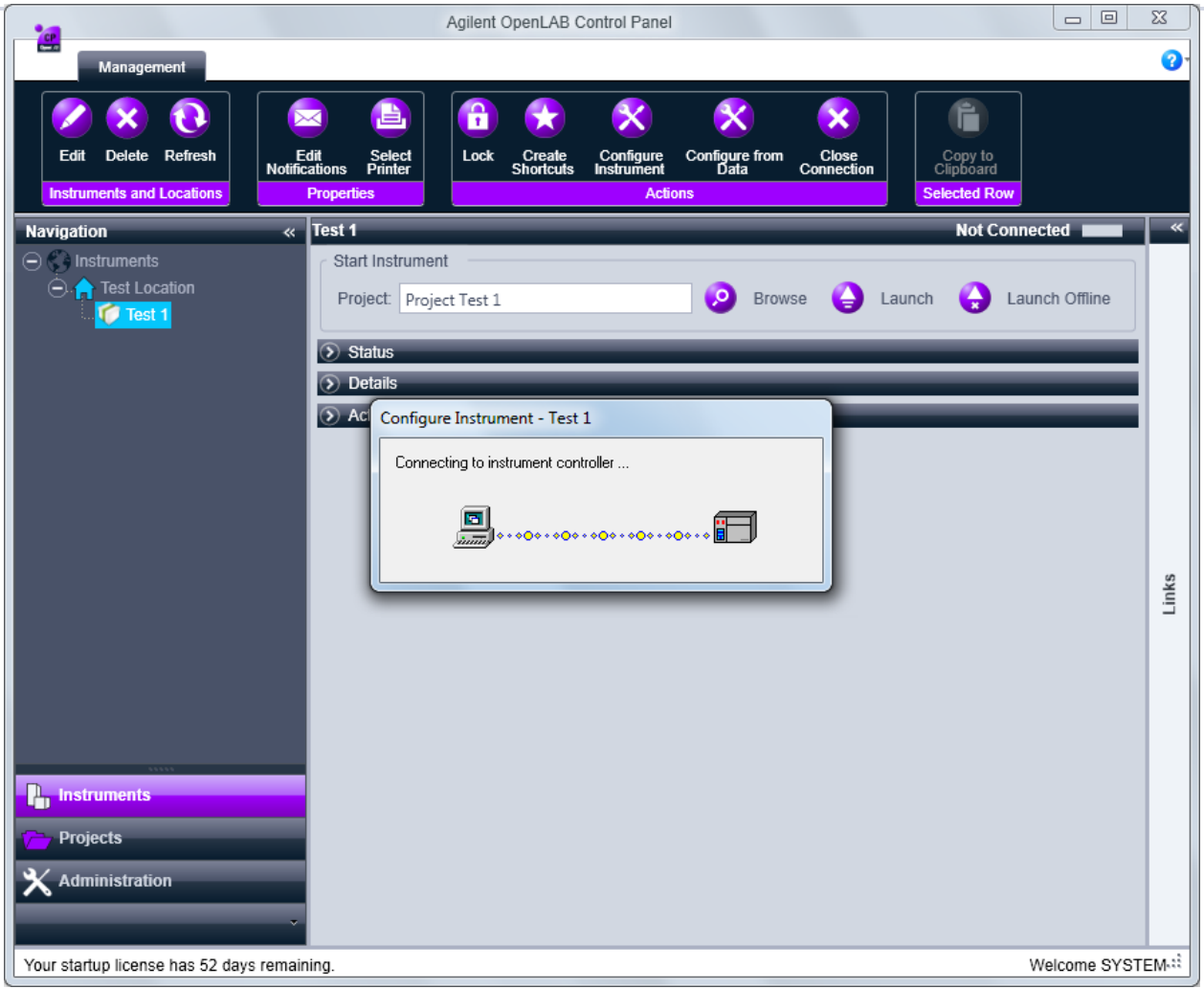
Creation of an instrument (7)



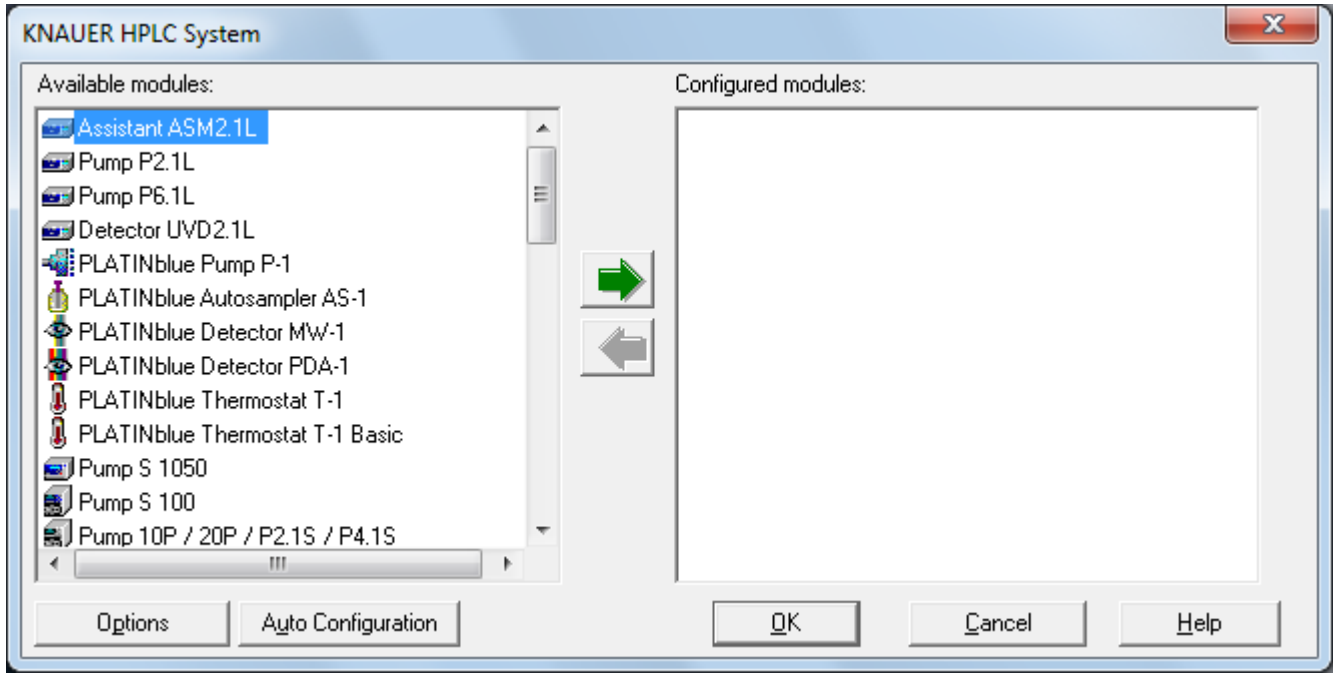
Configuration of an instrument (1)



Configuration of an instrument (2)

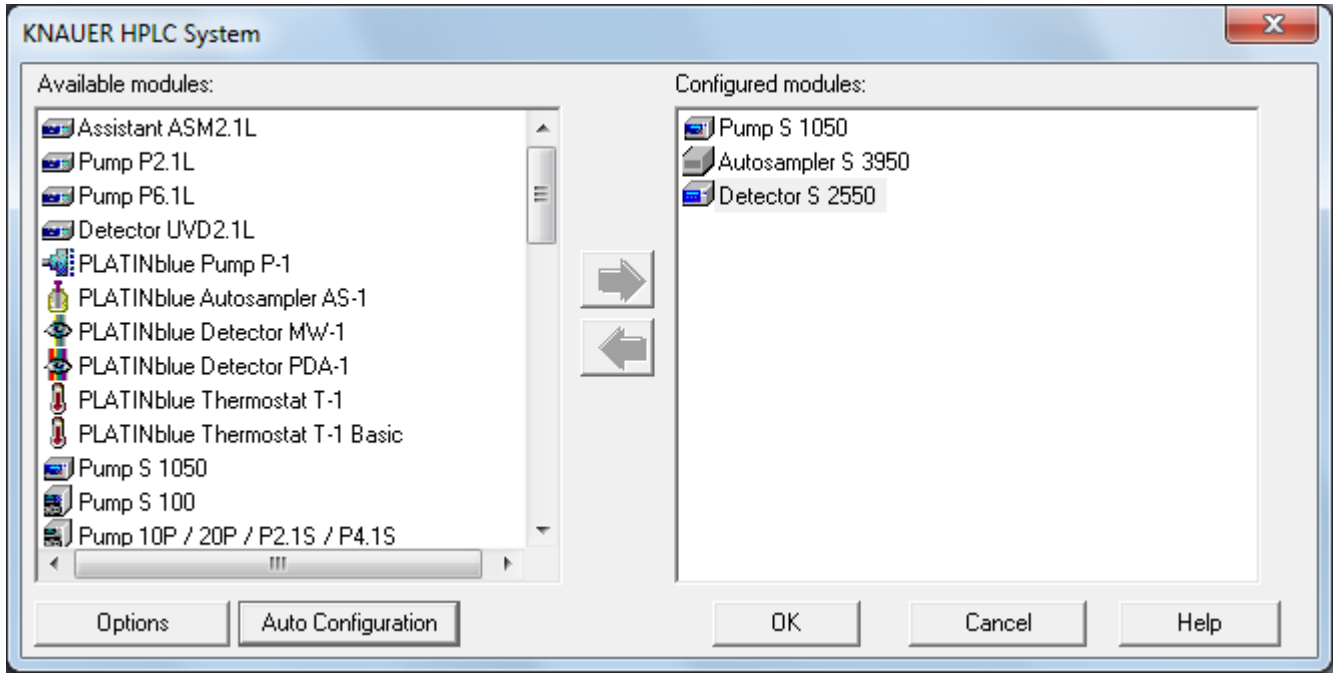


Configuration of an instrument (3)

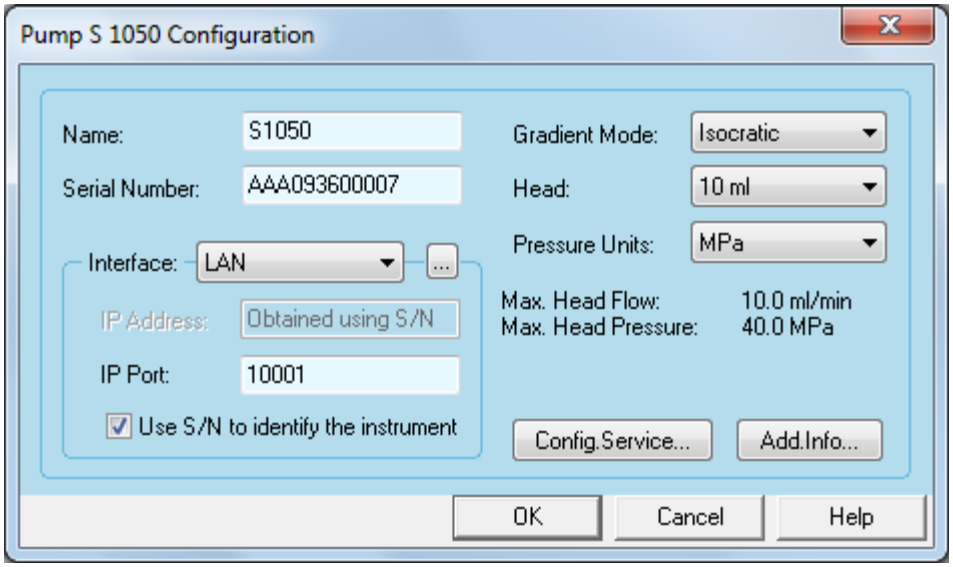


KNAUER

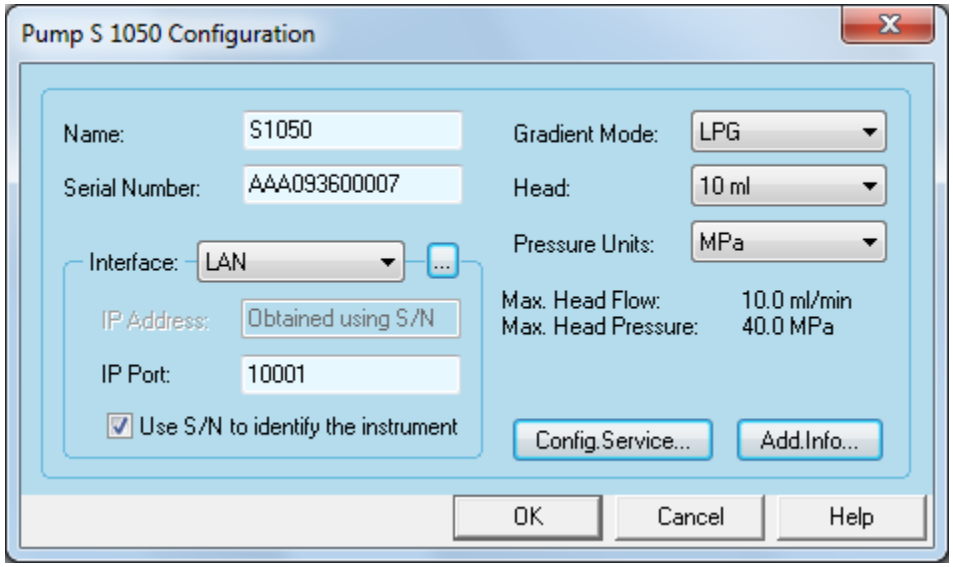
Configuration of an instrument (4)



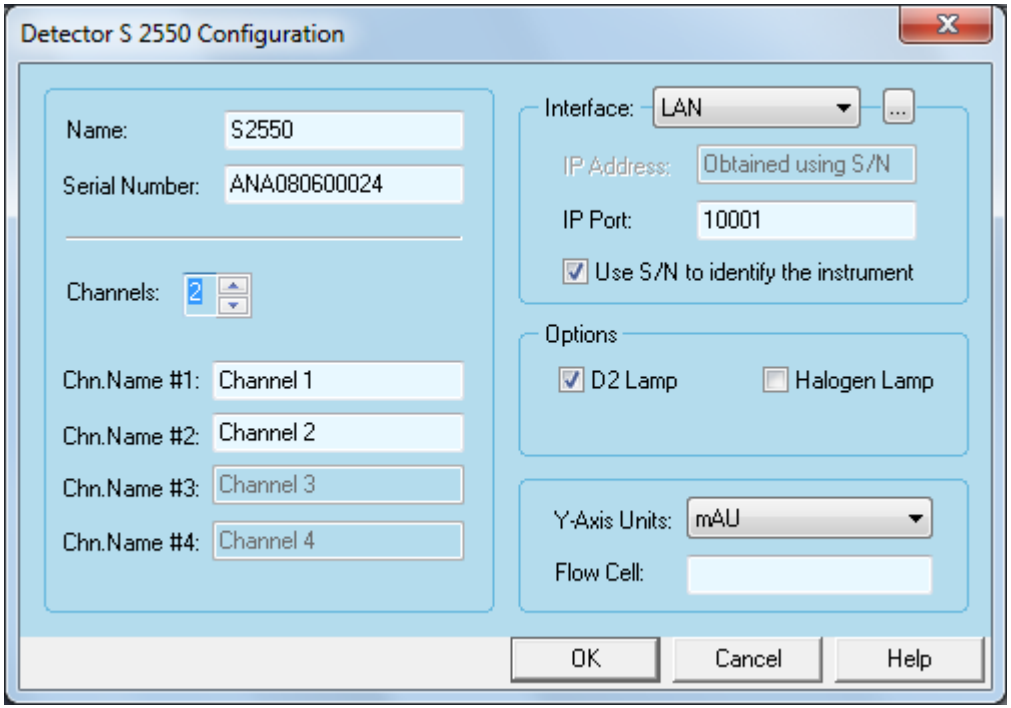
Configuration of an instrument (5)



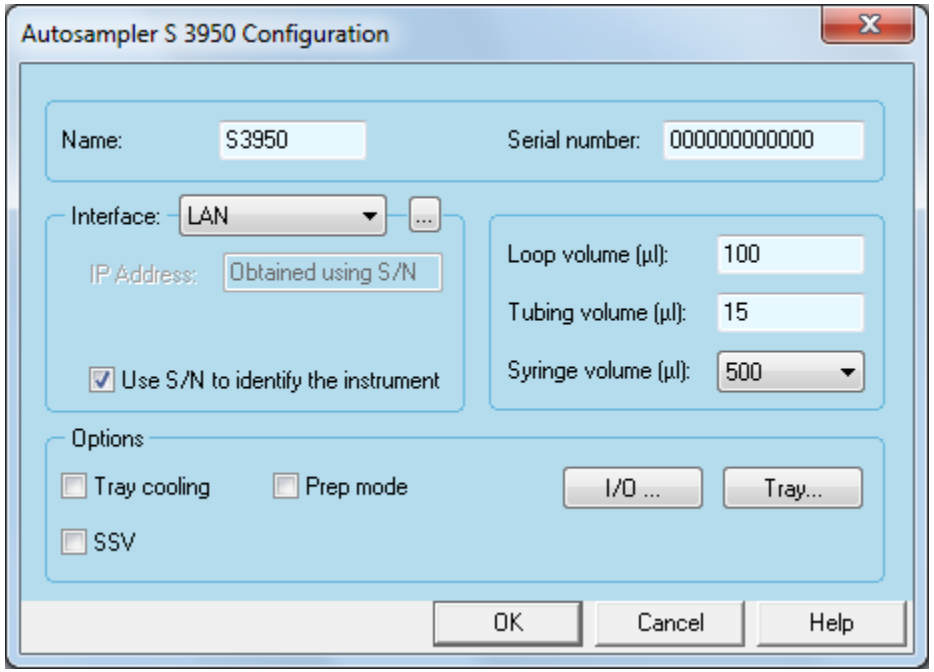
Configuration of an instrument (6)



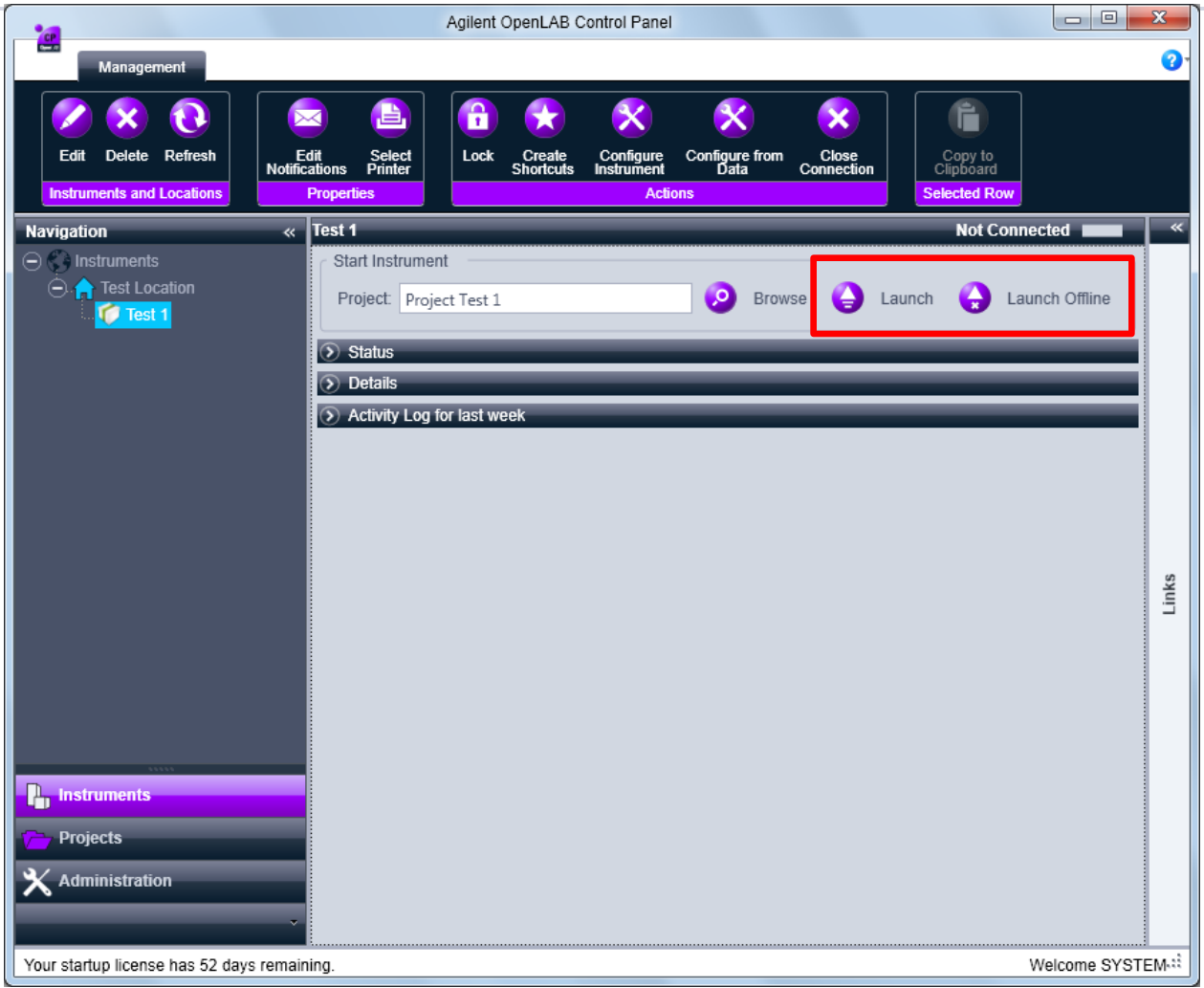
Configuration of an instrument (7)



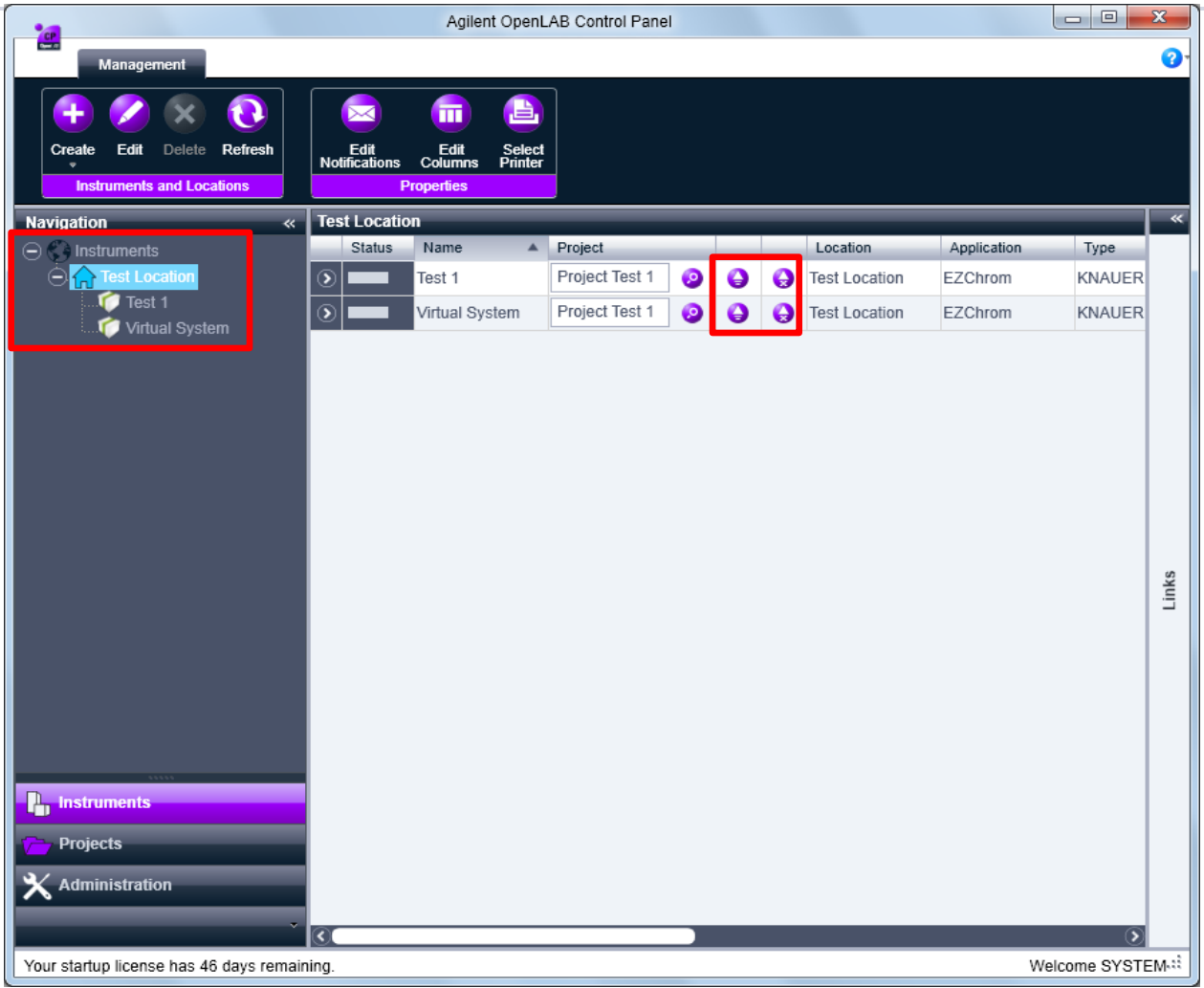
Configuration of an instrument (8)



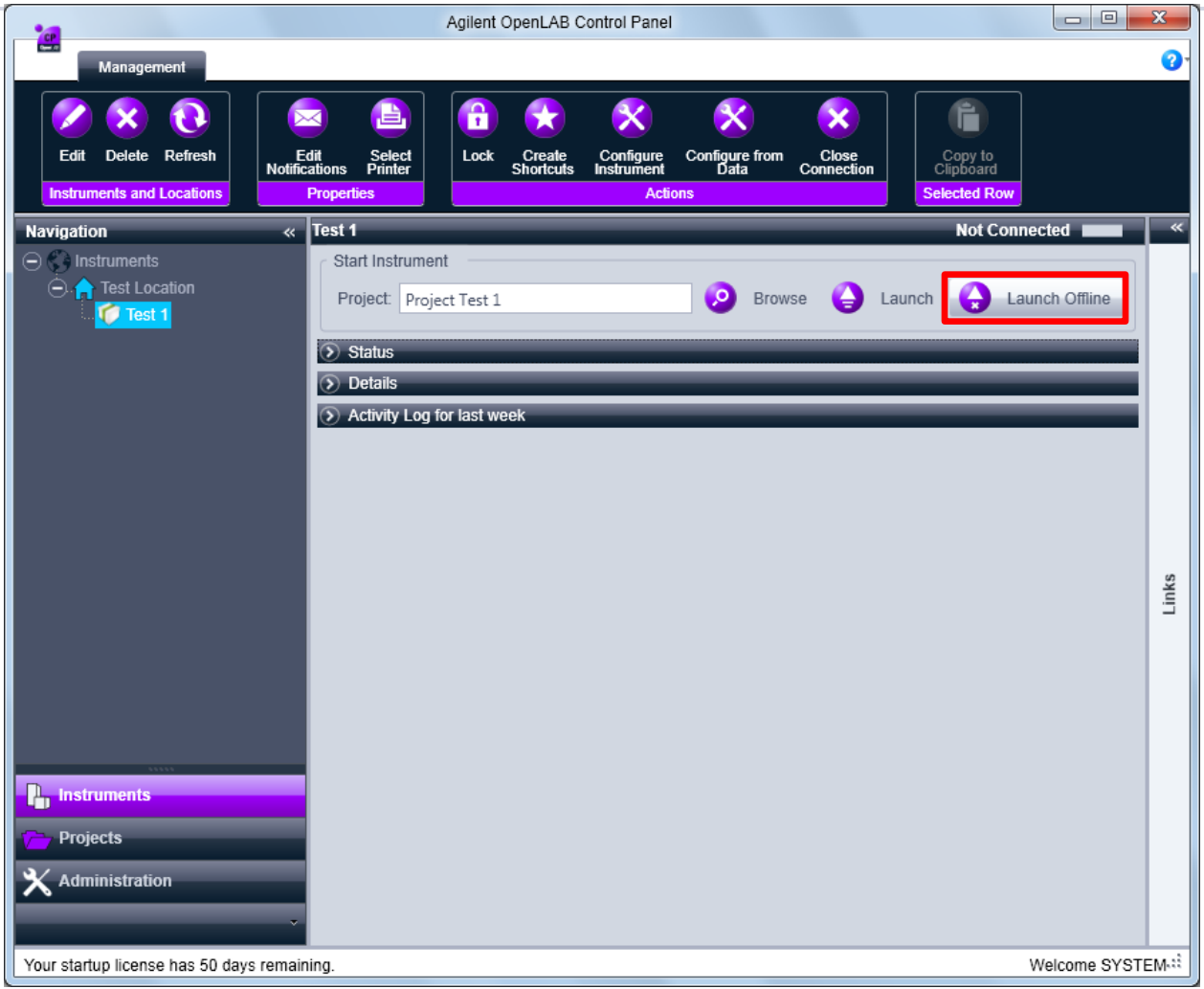
Starting of an instrument (1)



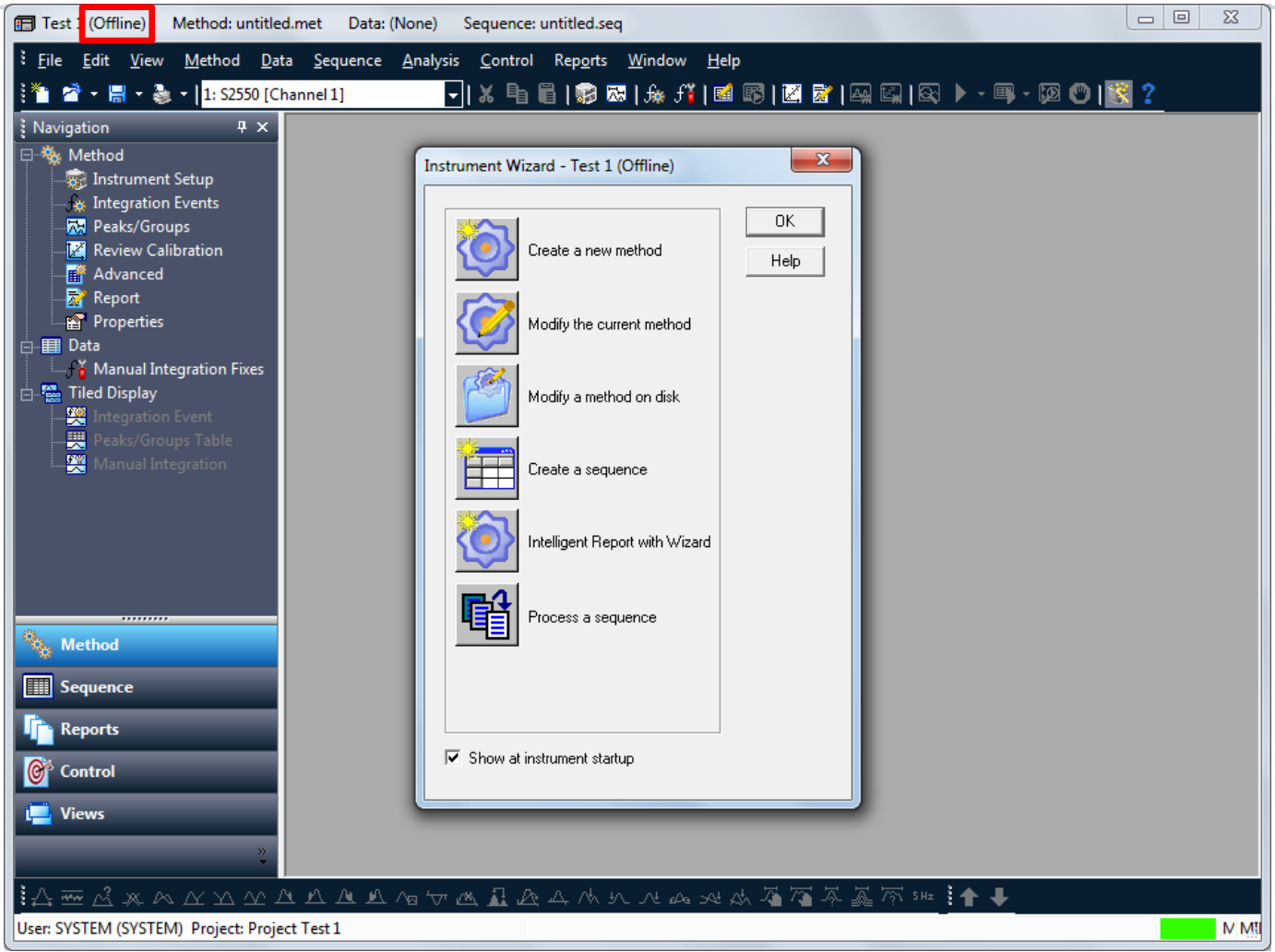
Starting of an instrument (2)



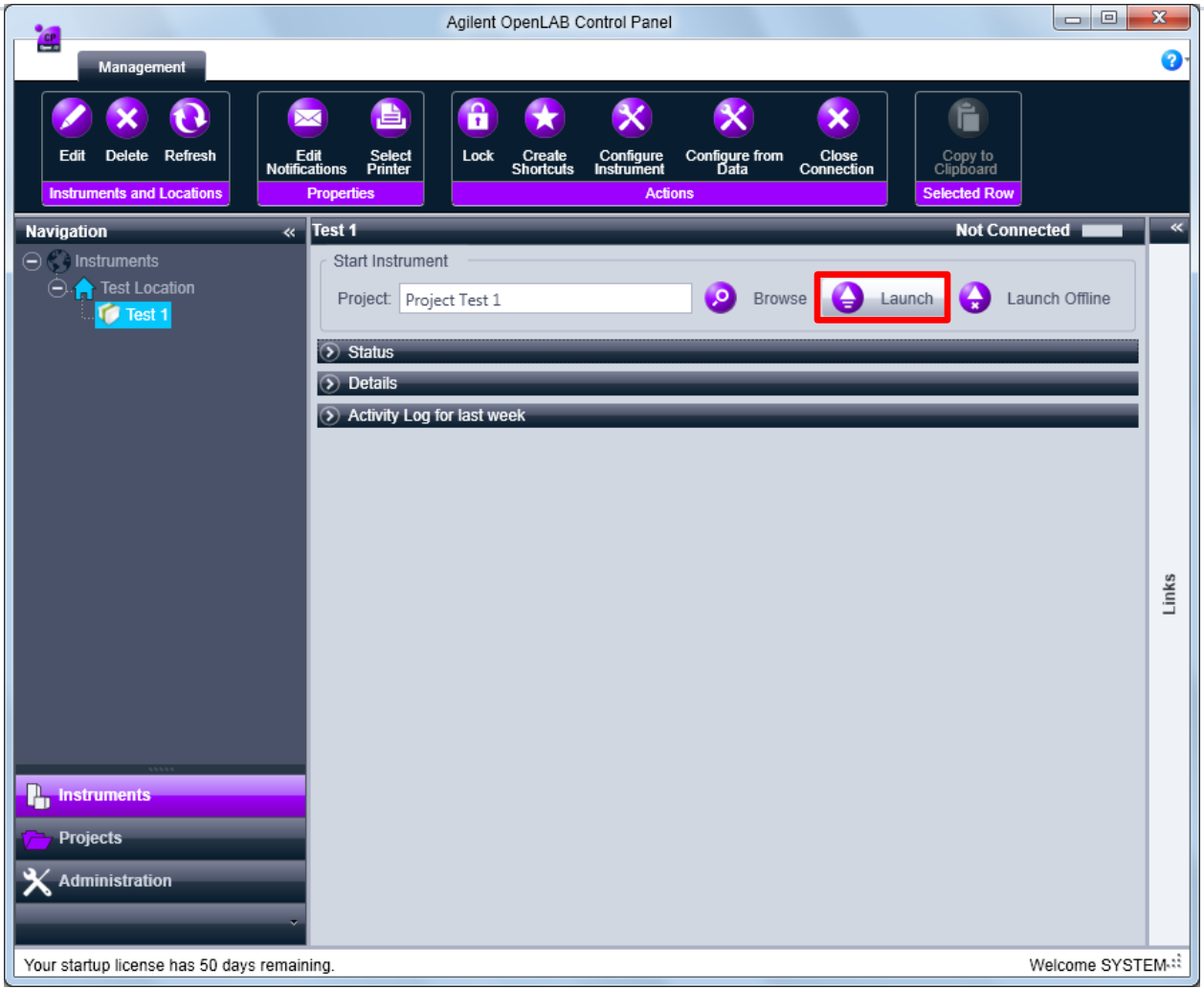
Starting of an instrument (3)



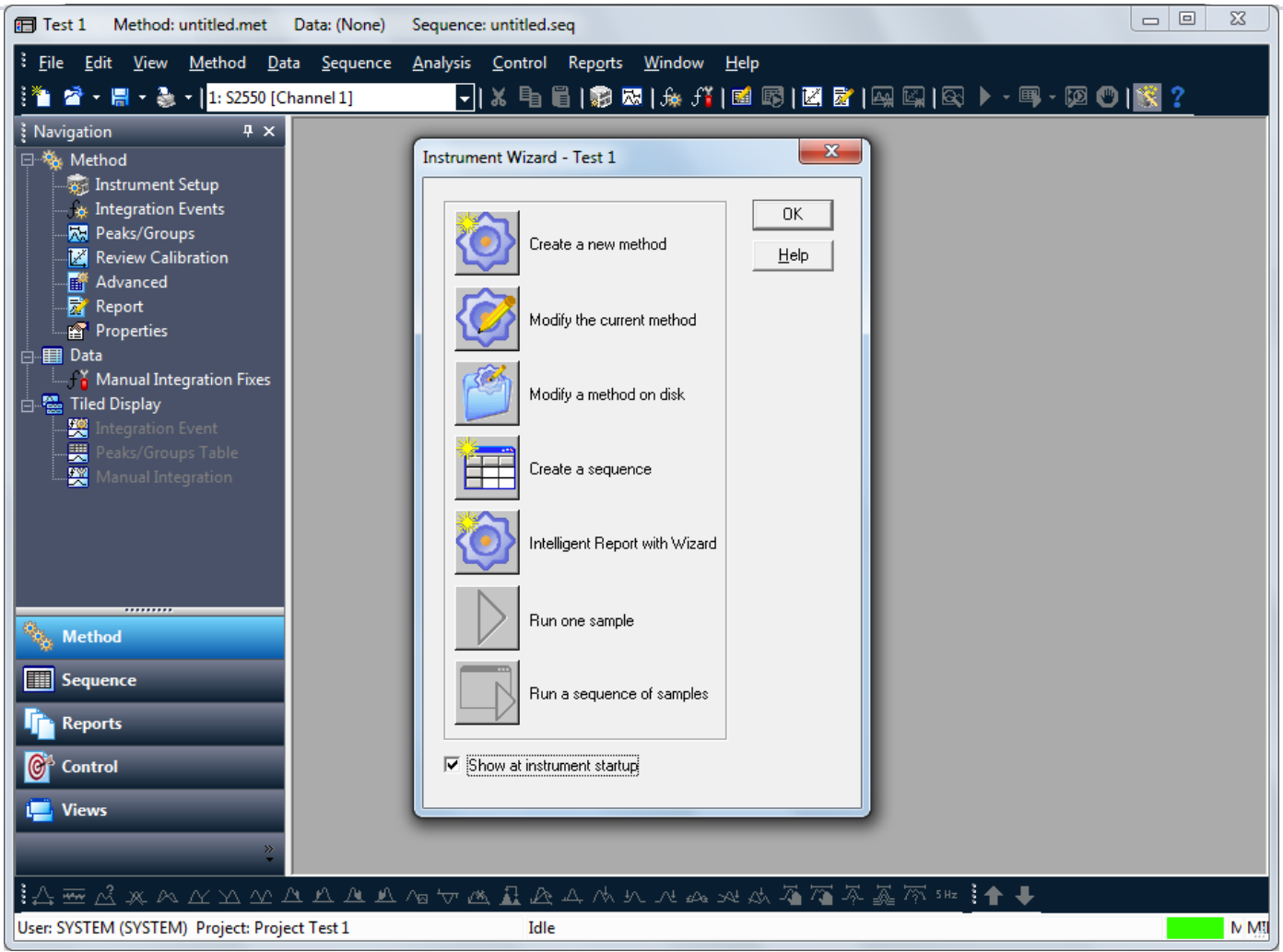
Starting of an instrument (4)



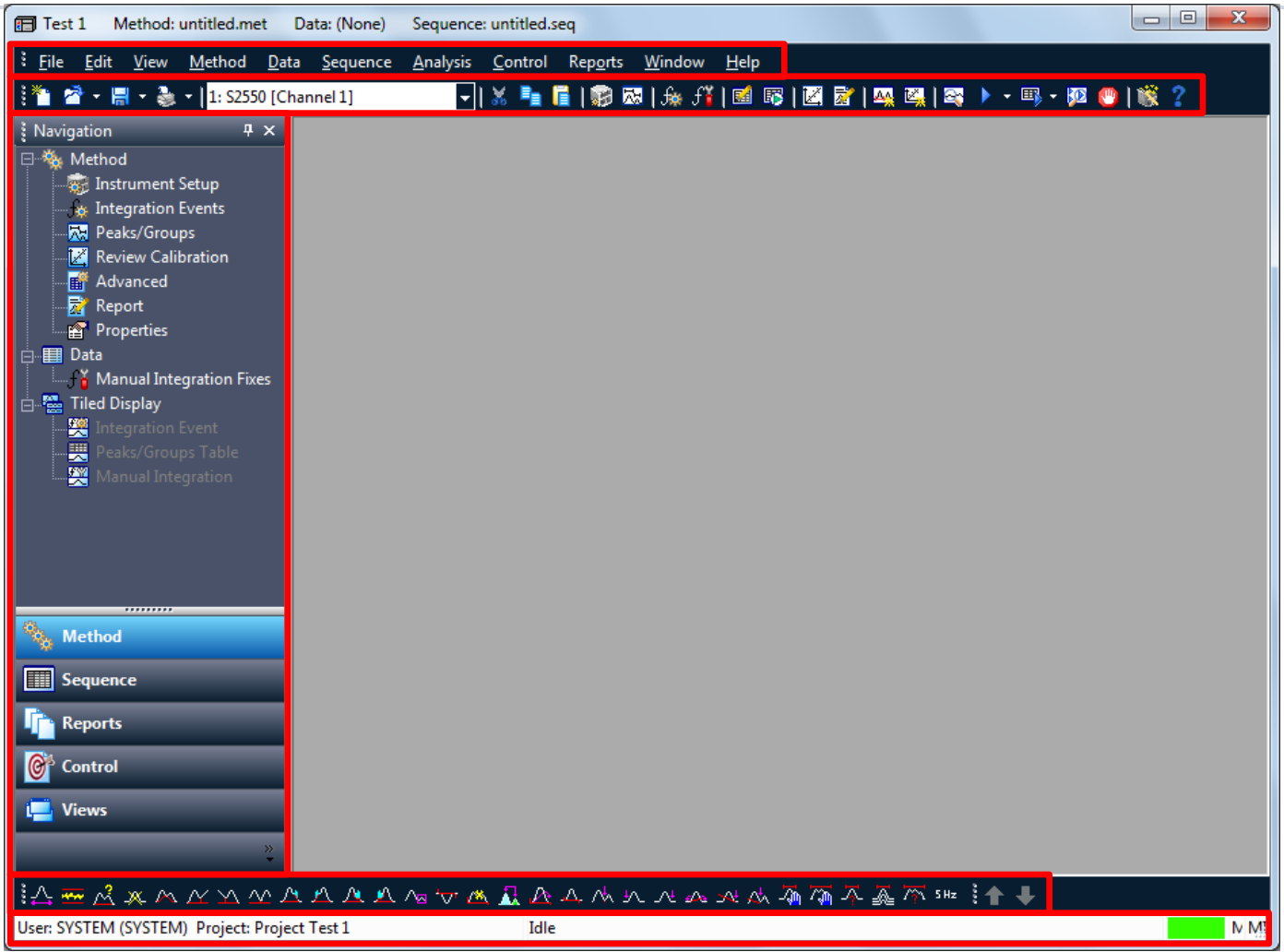
Starting of an instrument (5)



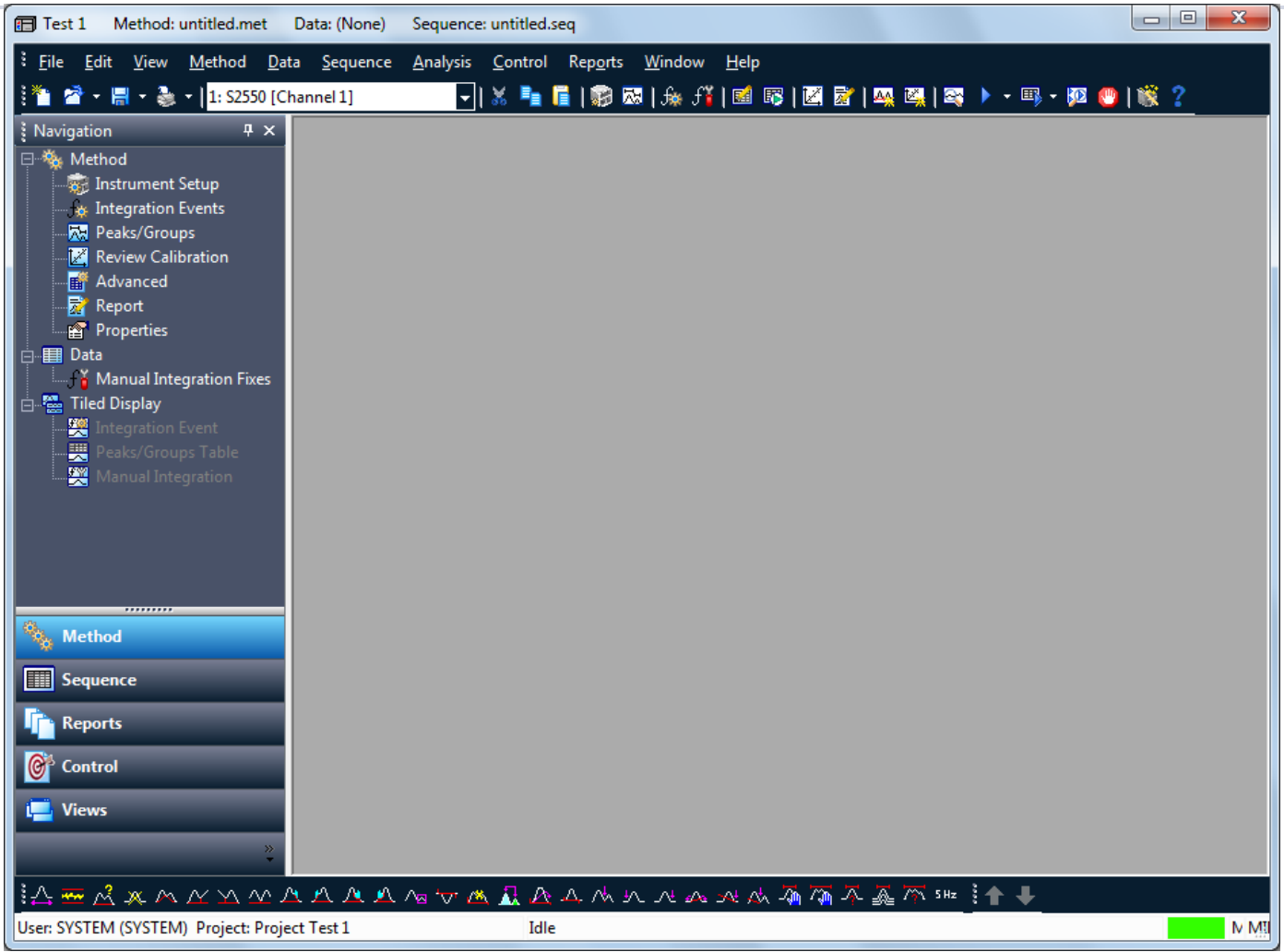
Starting of an instrument (6)



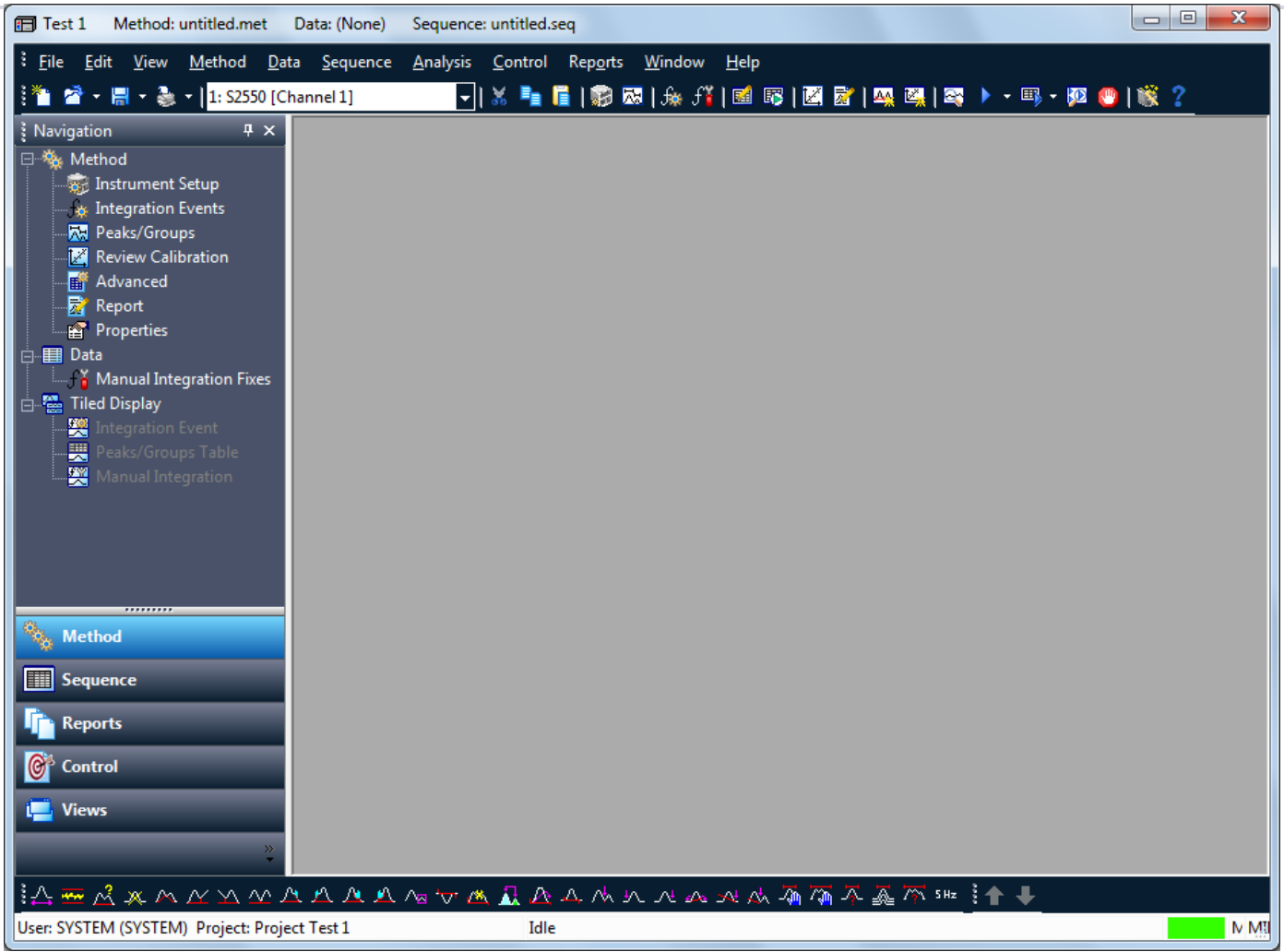
Method Setup (1)



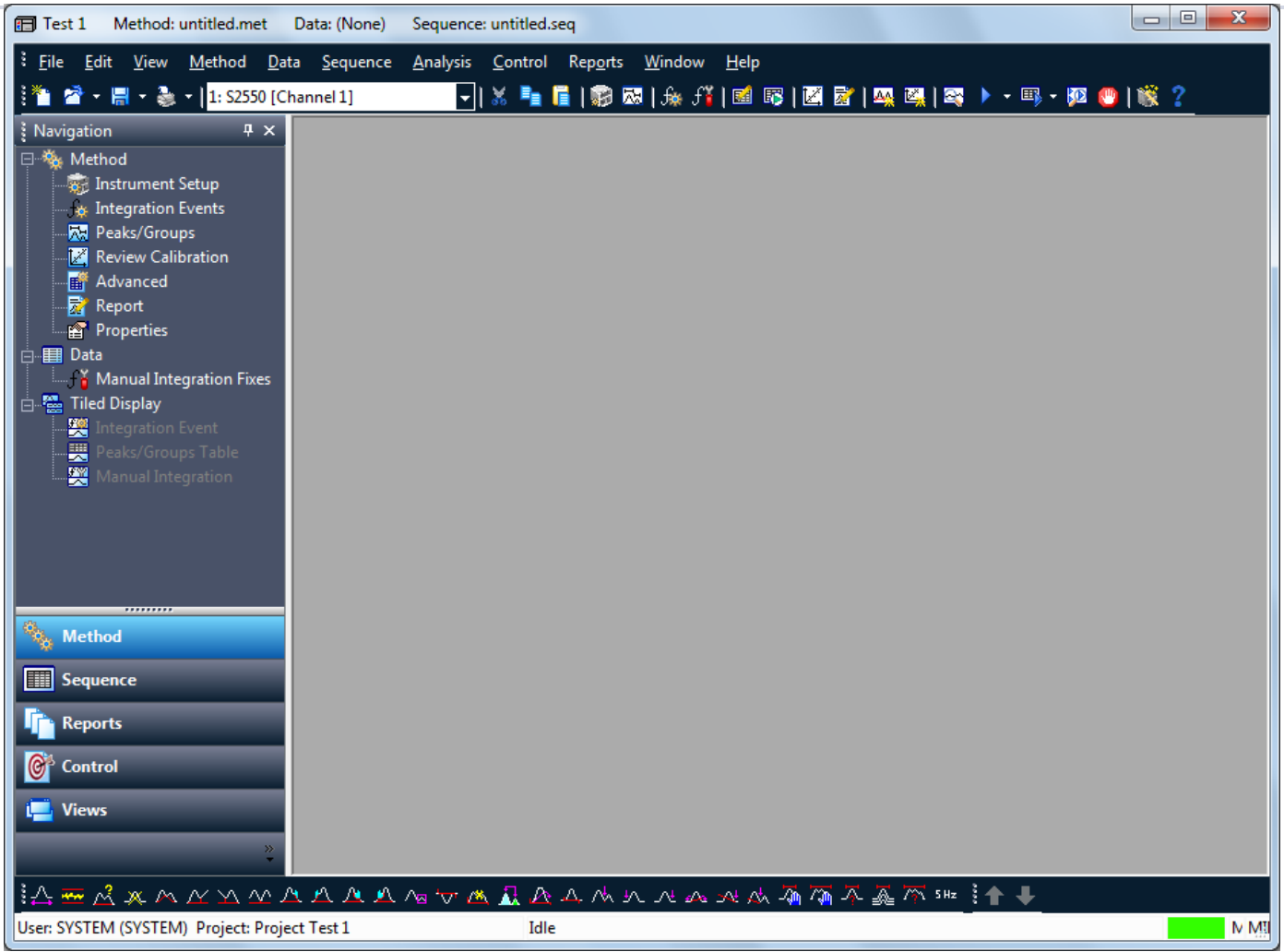
Method Setup (2)



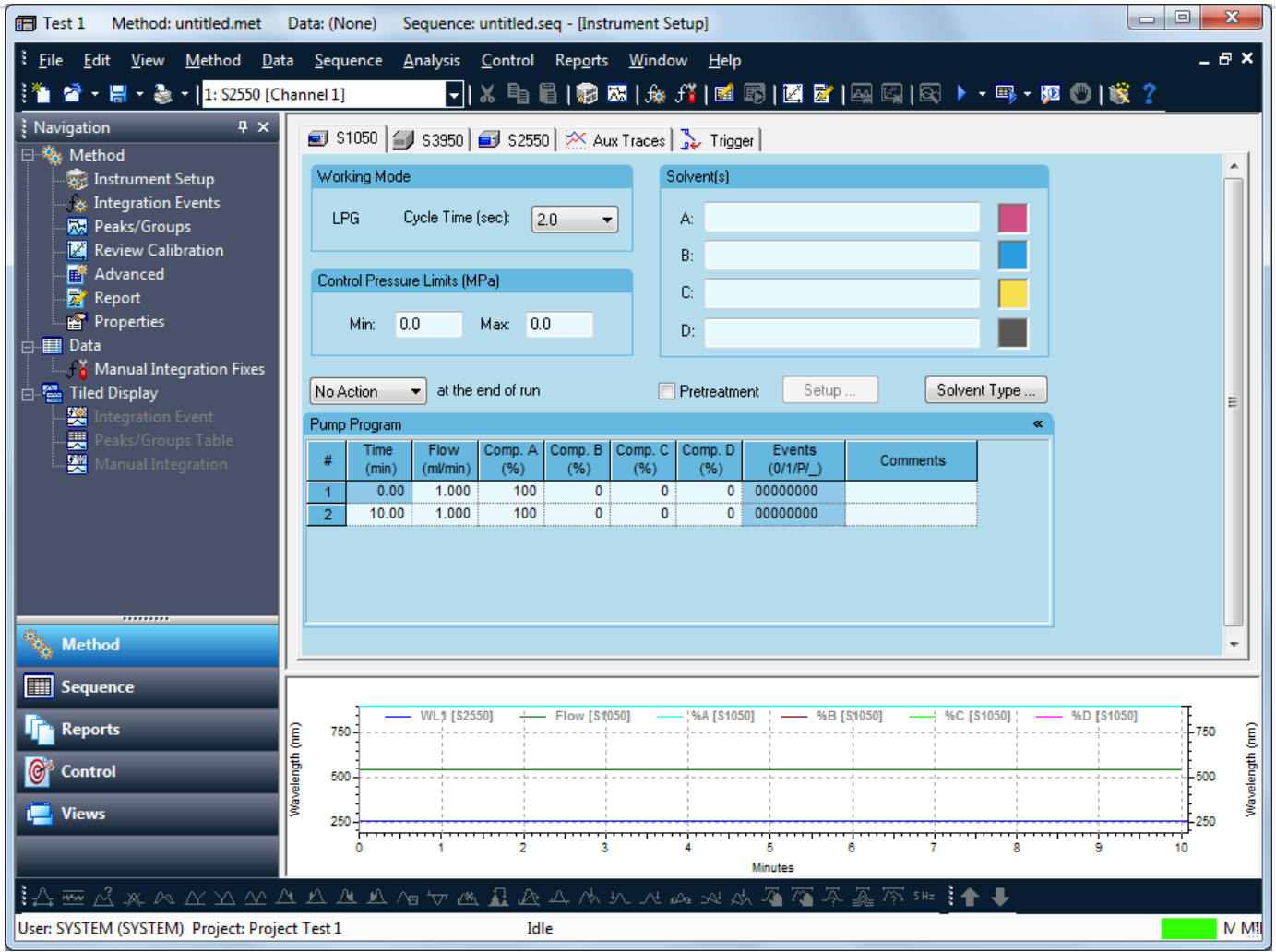
Method Setup (3)



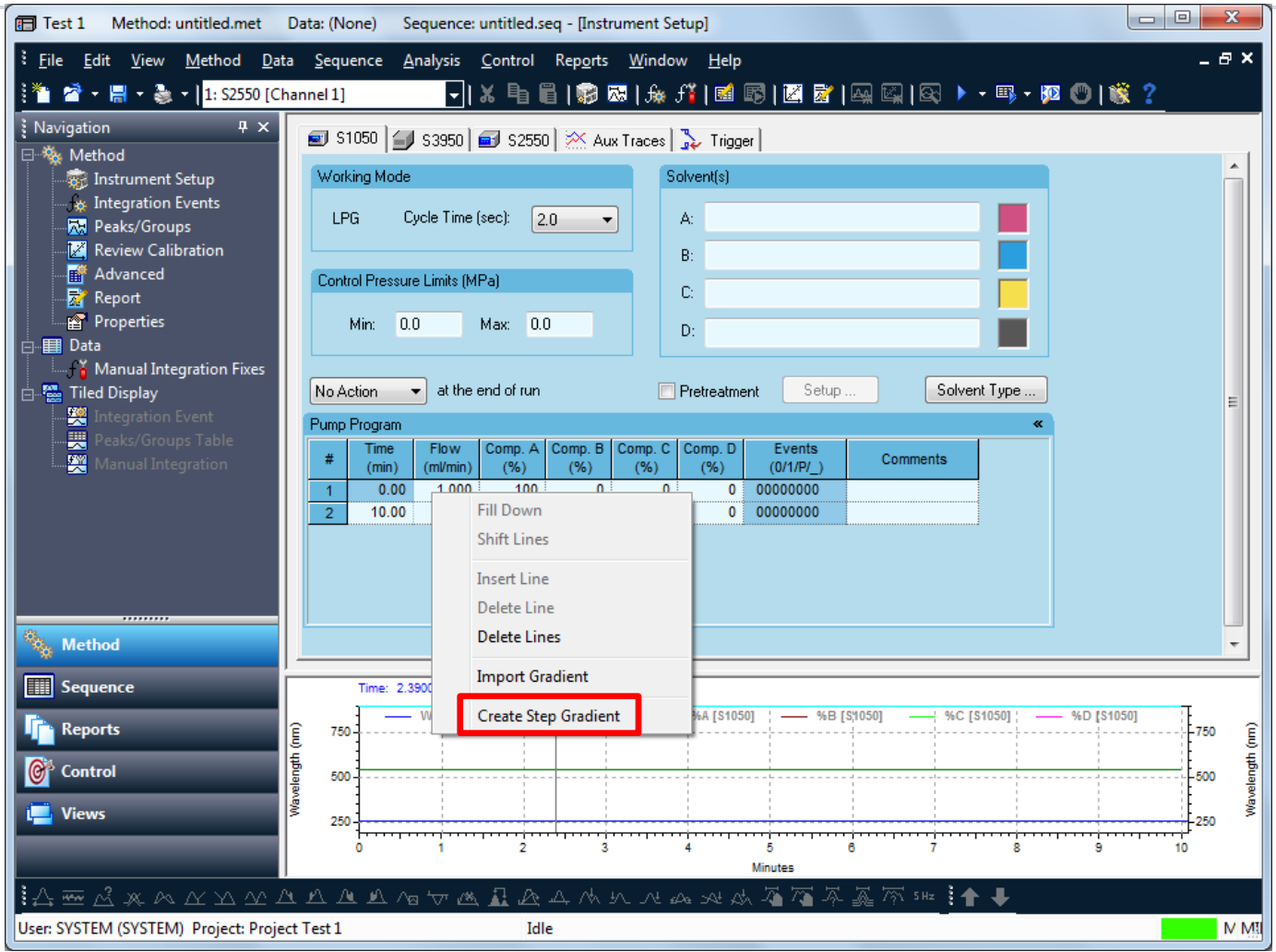
Method Setup (4)



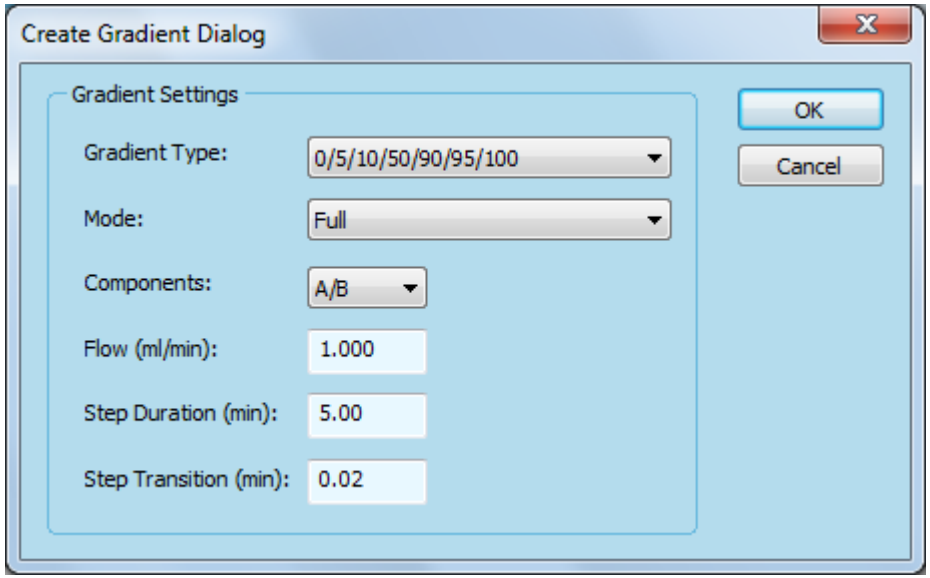
Method Setup (5)



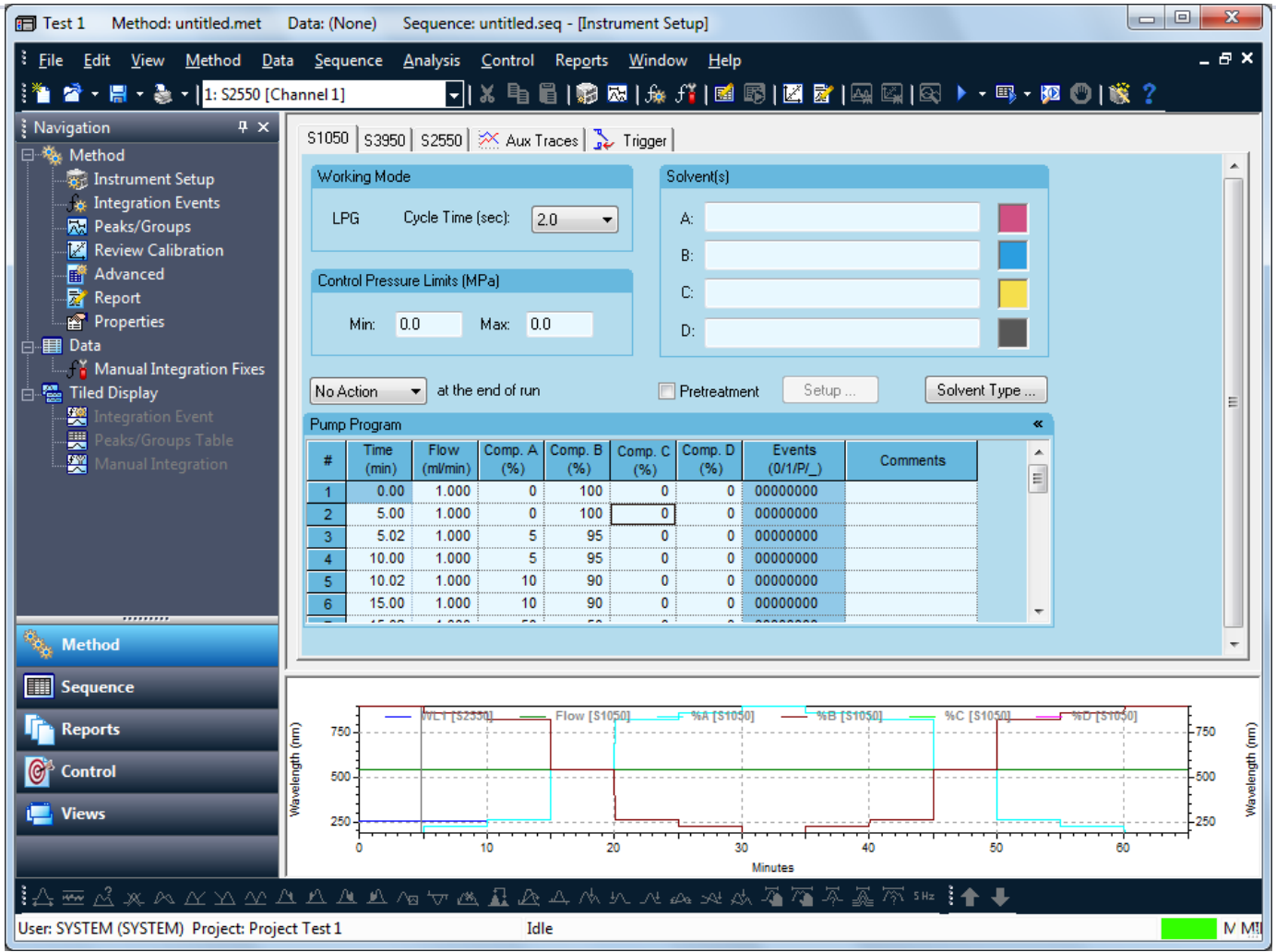
Method Setup (6)



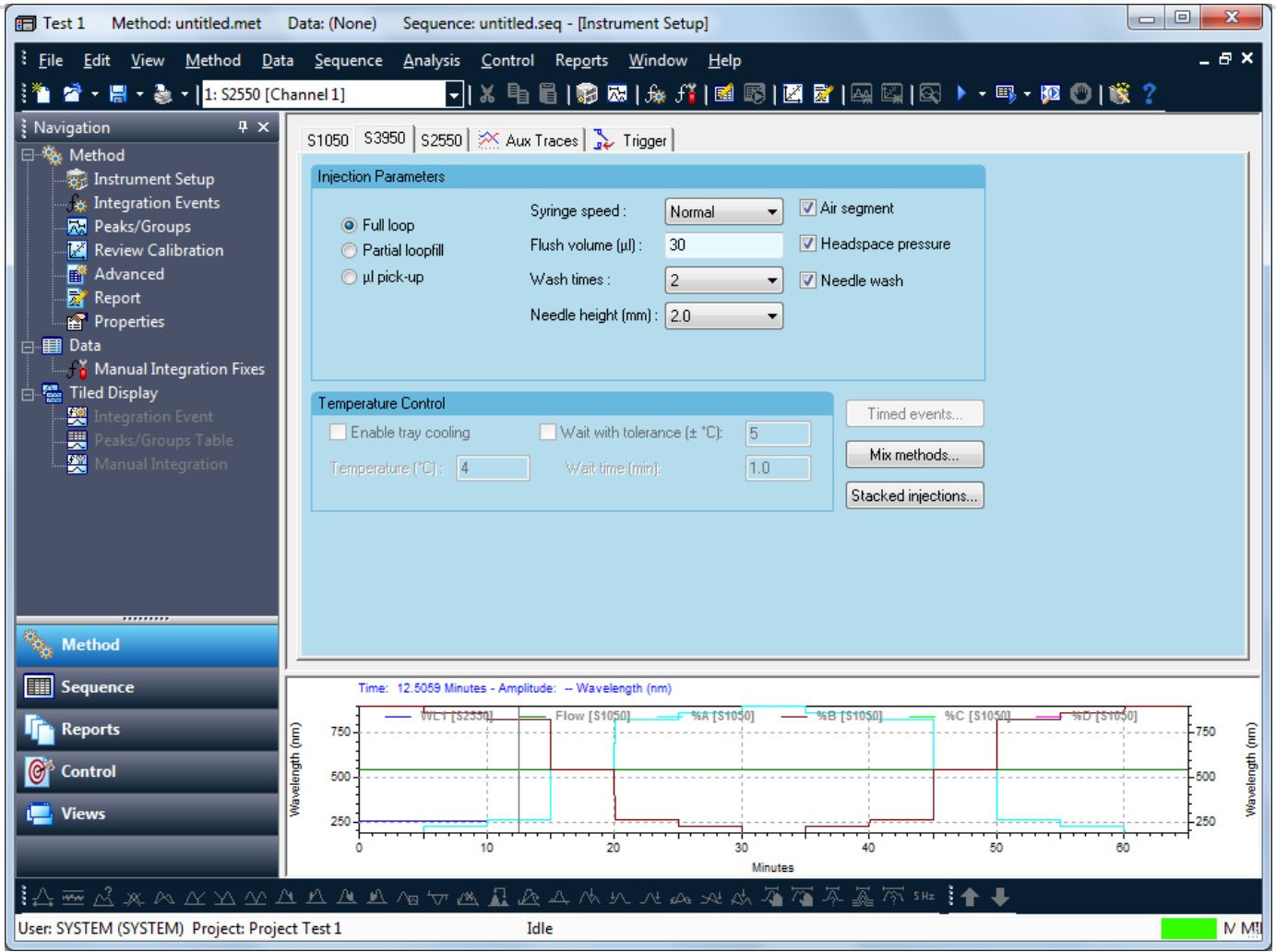
Method Setup (7)



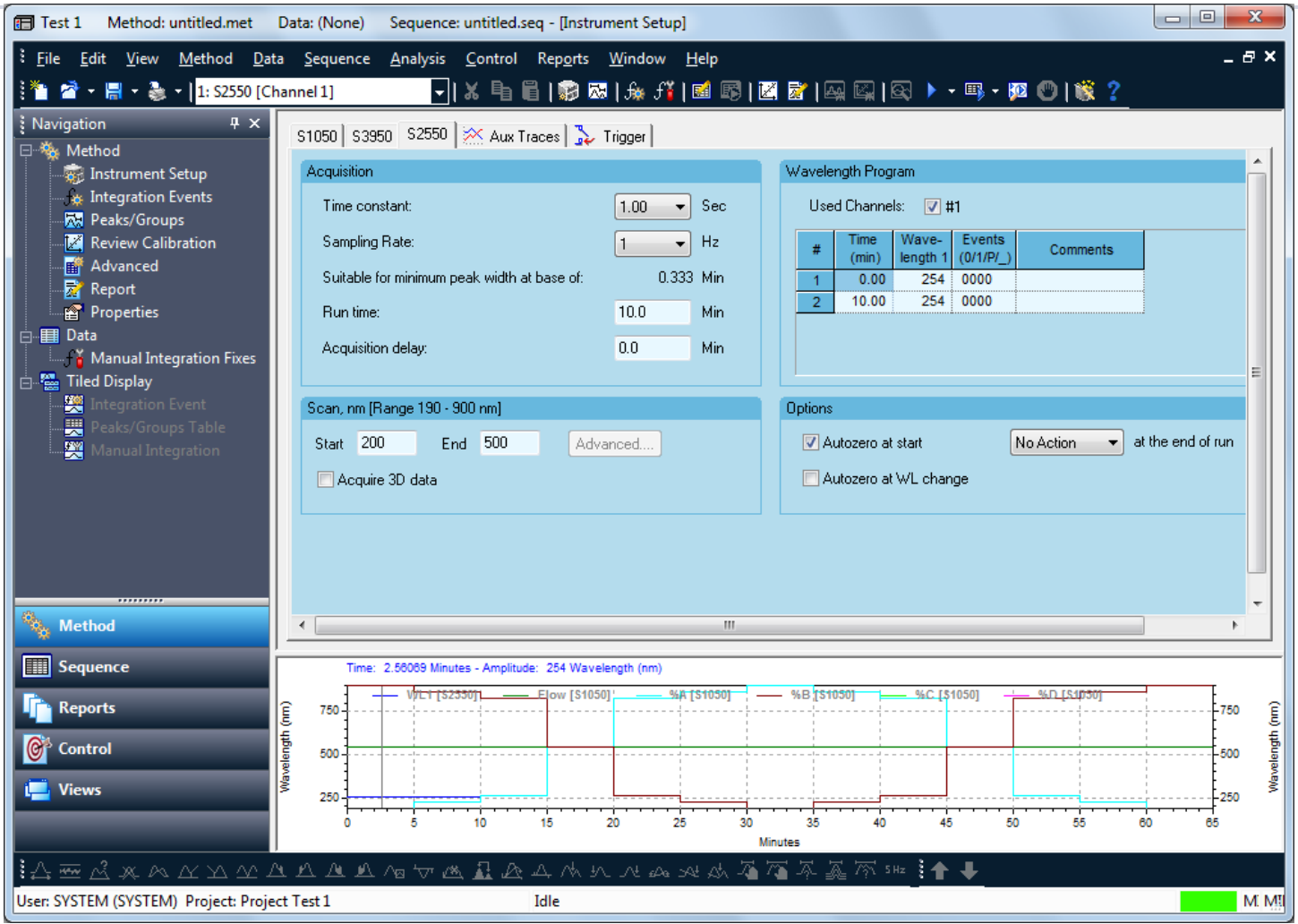
Method Setup (8)



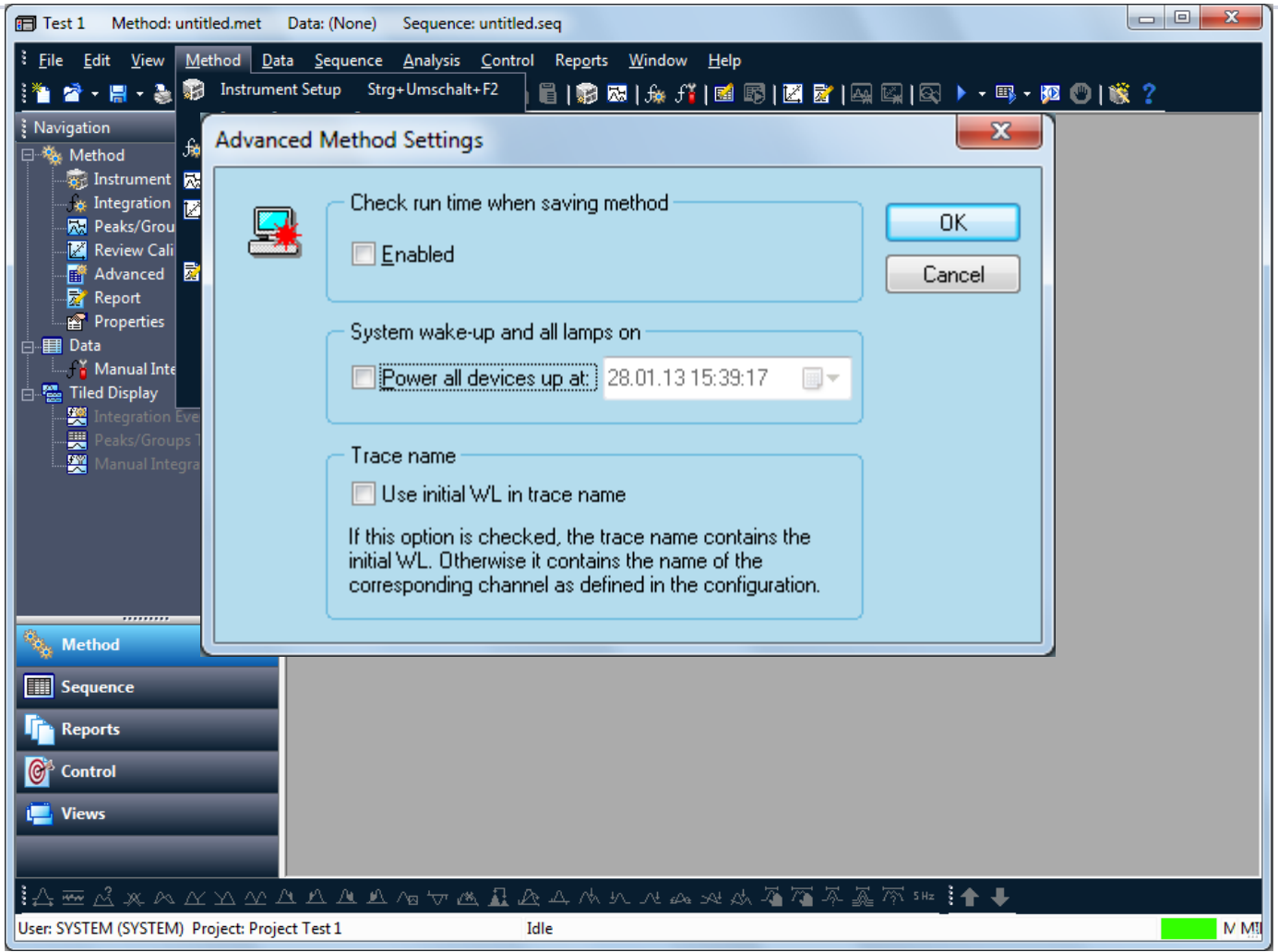
Method Setup (9)



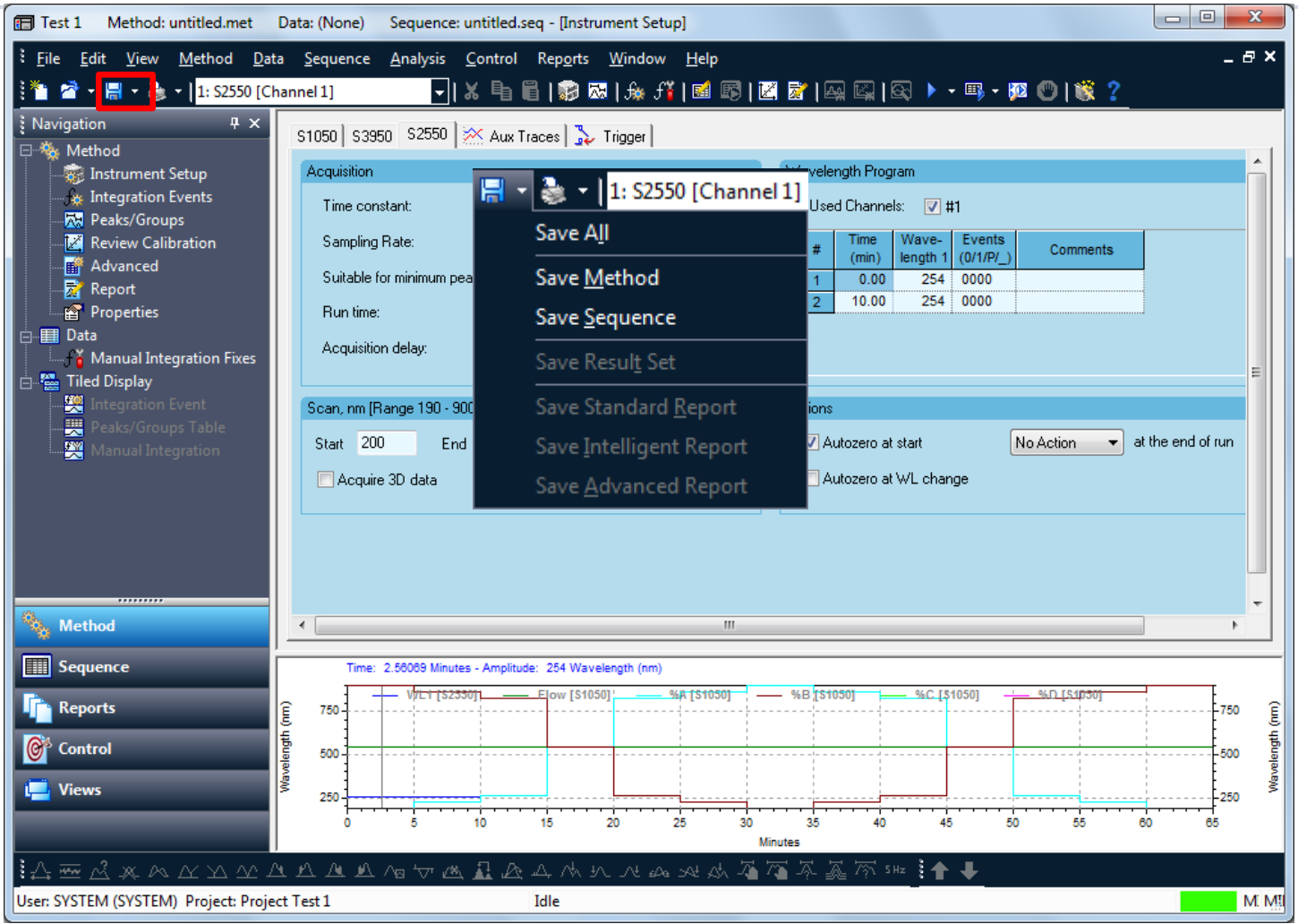
Method Setup (10)



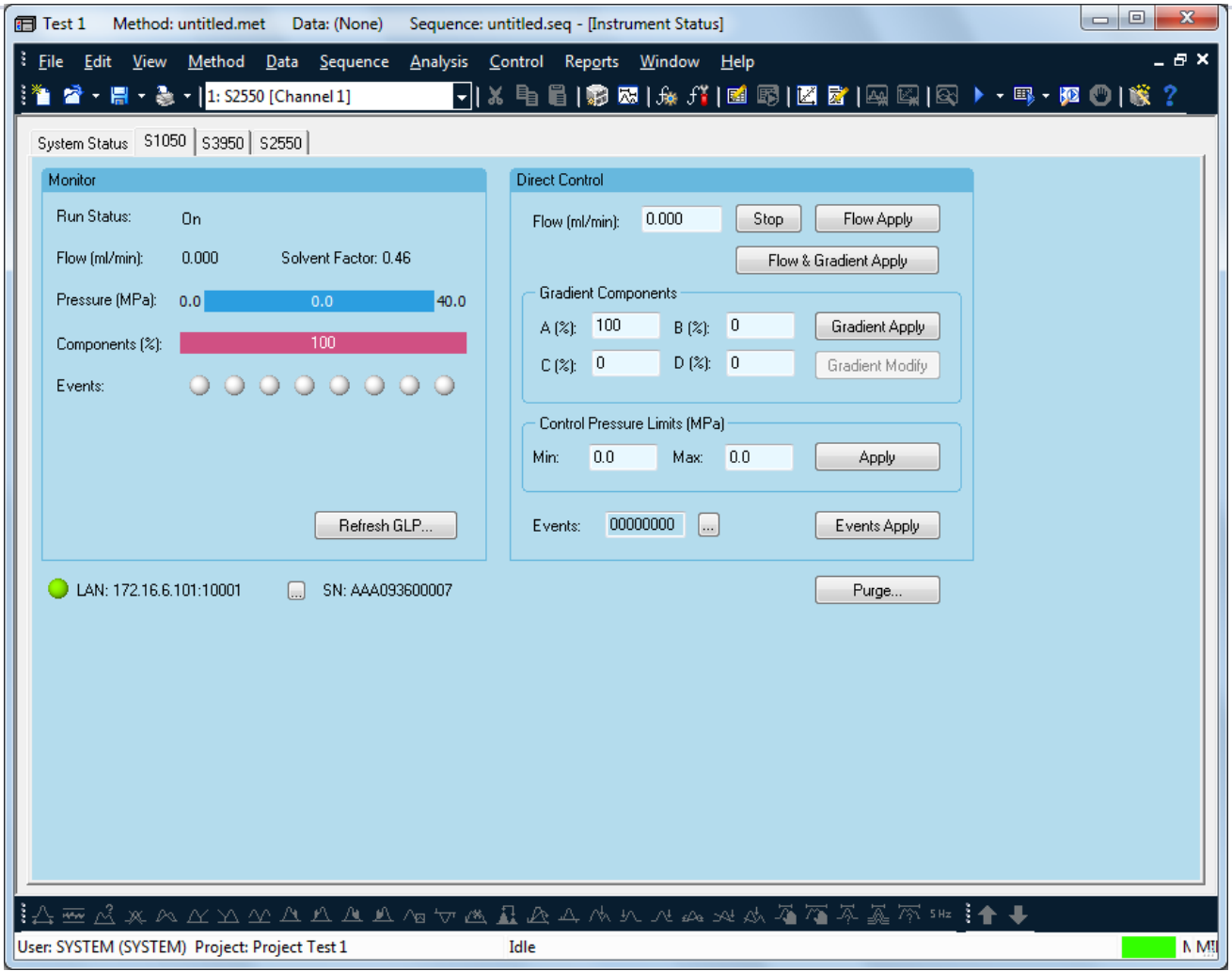
Method Setup (11)



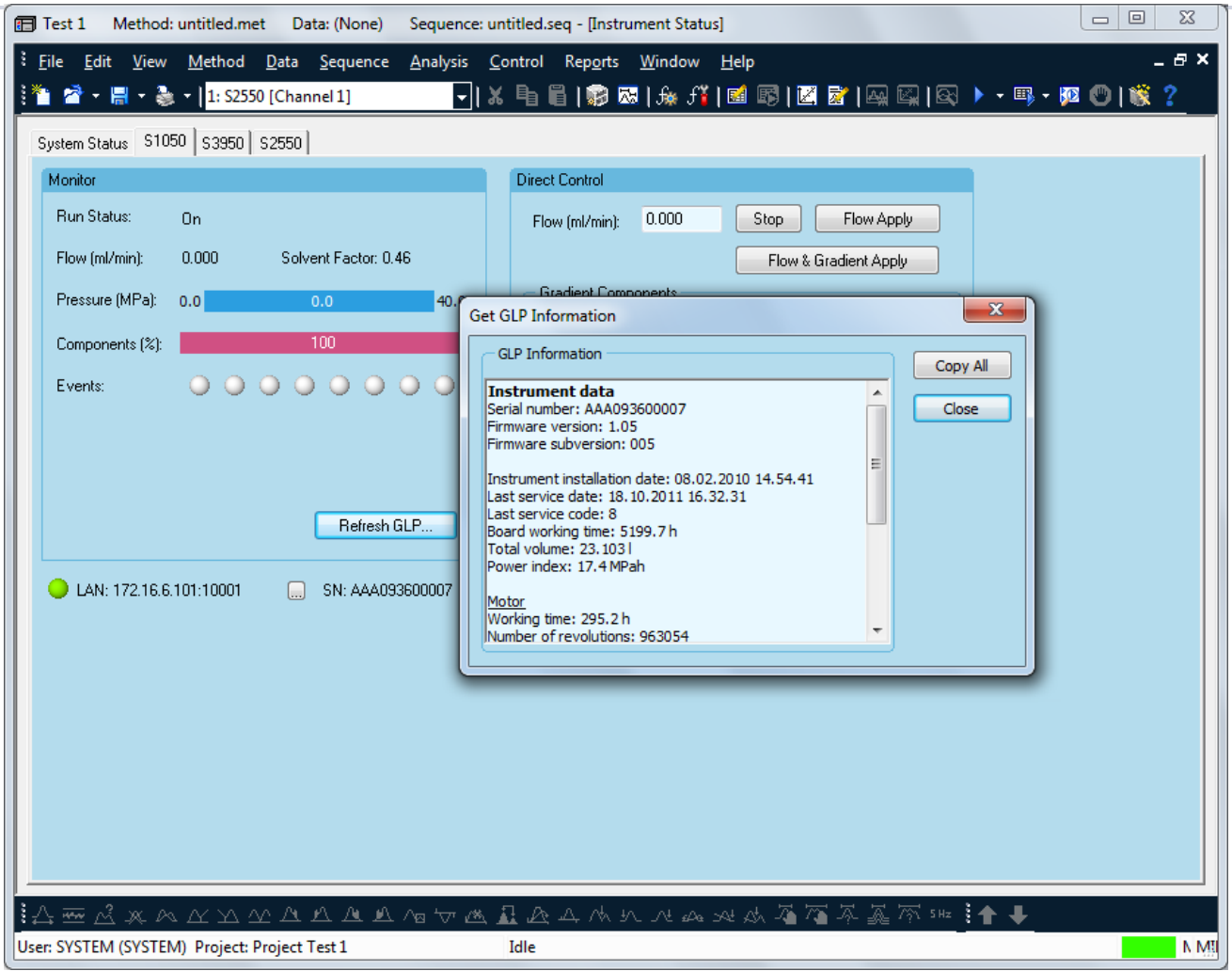
Method Setup (12)



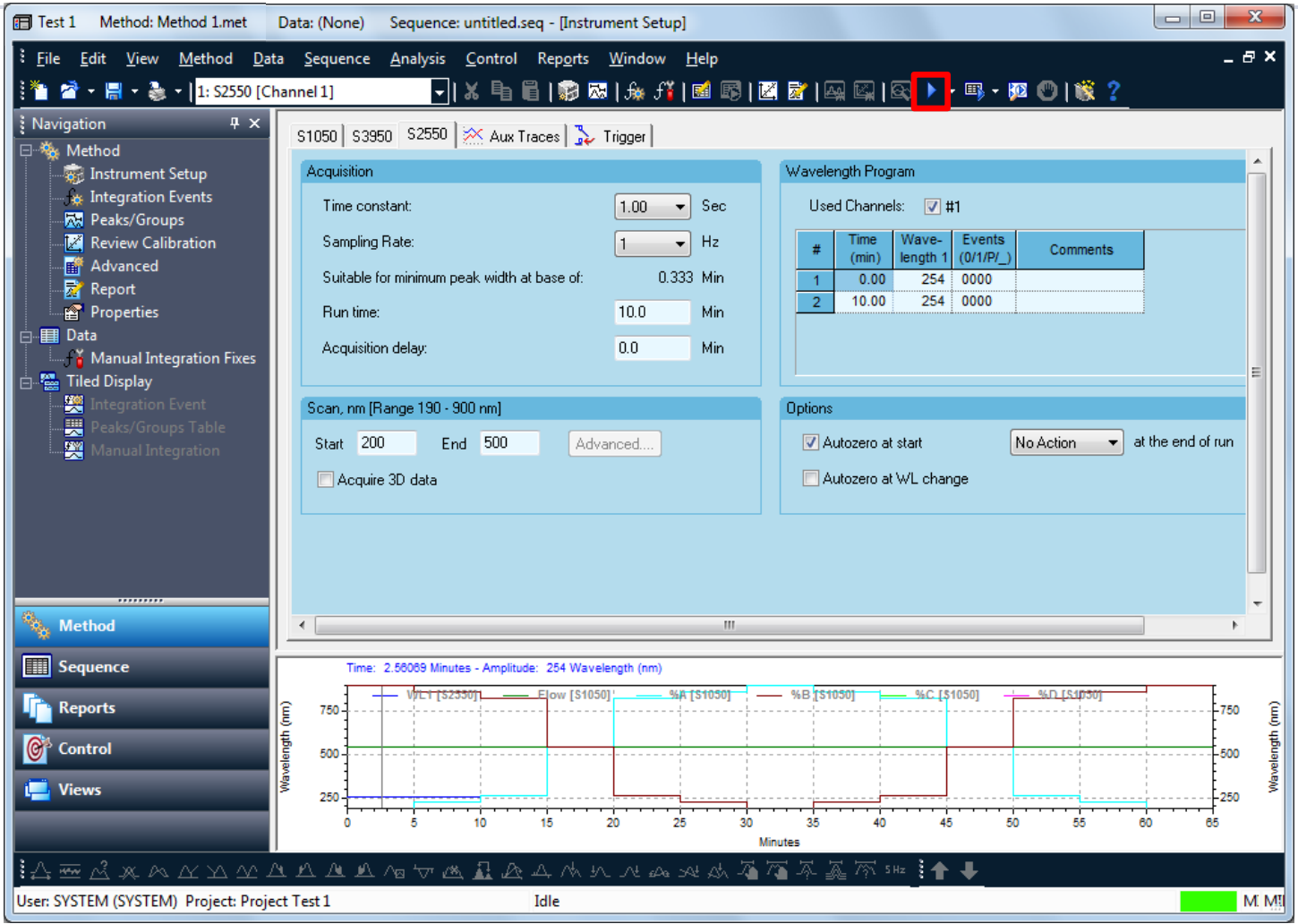
Instrument Status (1)



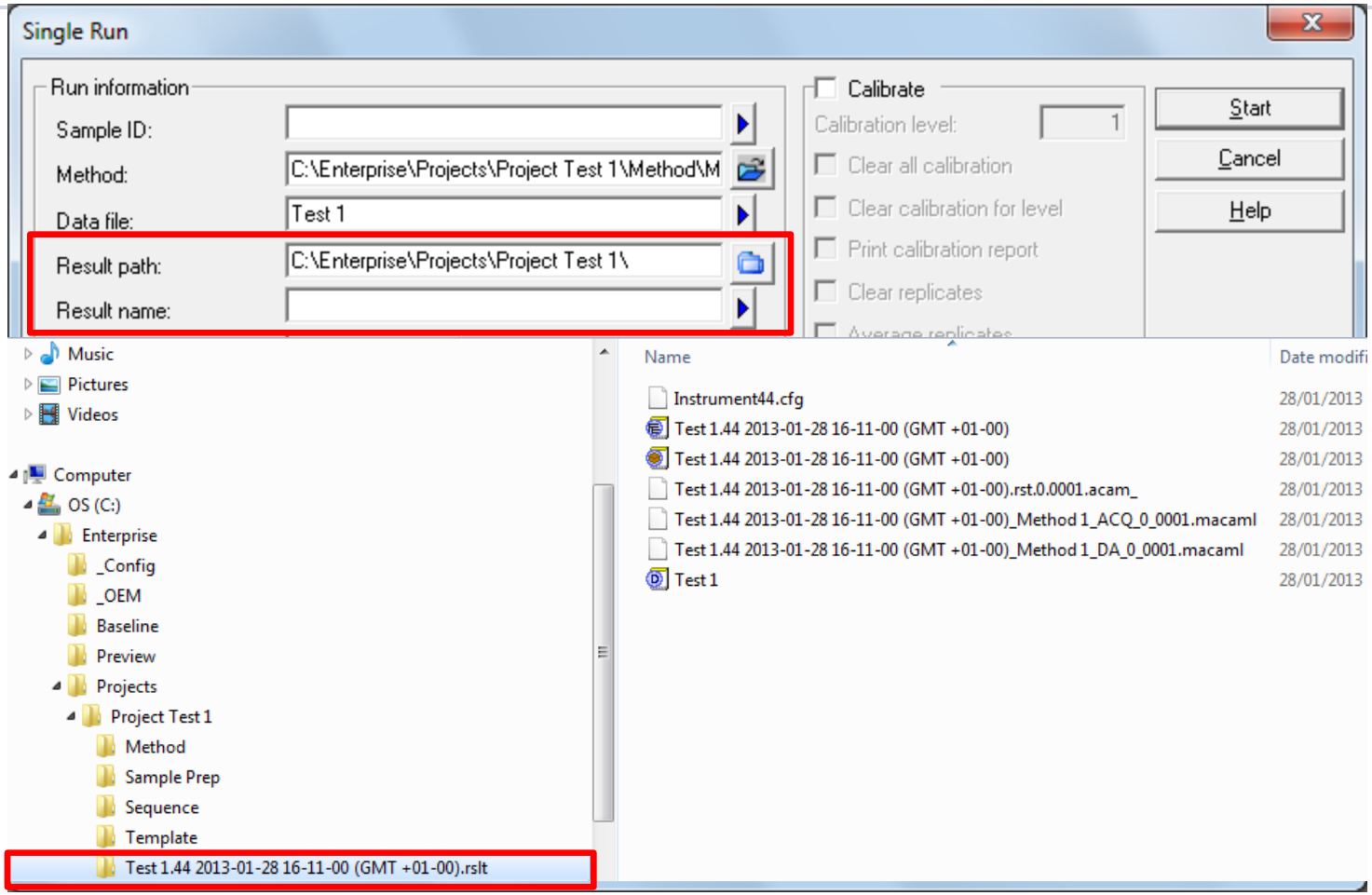
Instrument Status (2)



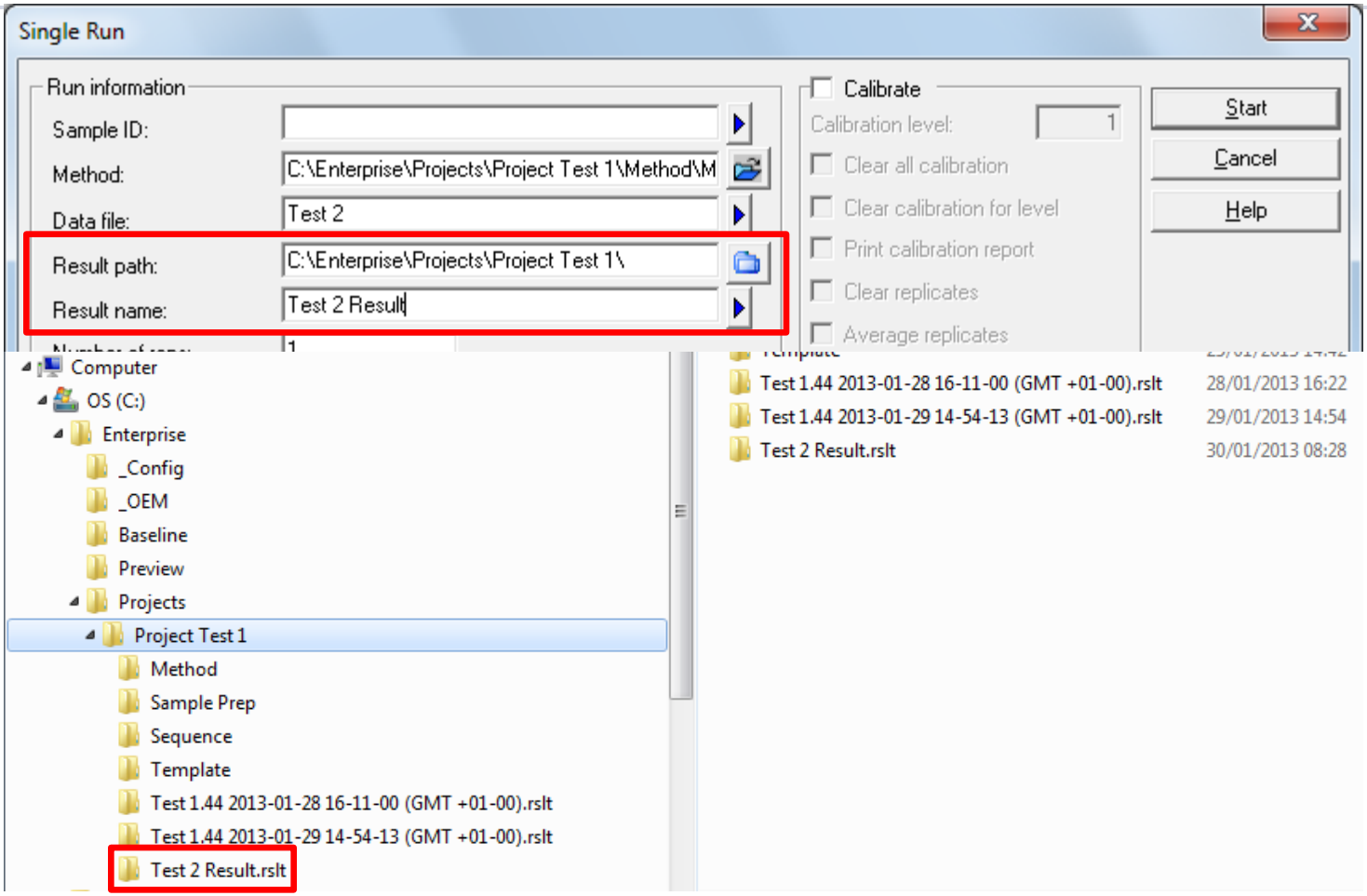
Single Run (1)


Test 1
Method: Method 1.met
Data: (None)
Sequence: untitled.seq - [Instrument Setup]
File Edit View Method Data Sequence Analysis Control Reports Window Help
1: S2550 [Channel 1]
Navigation
Method
Instrument Setup
Integration Events
Peaks/Groups
Review Calibration
Advanced
Report
Properties
Data
Manual Integration Fixes
Tiled Display
Integration Event
Peaks/Groups Table
Manual Integration
S1050 S3950 S2550 Aux Traces Trigger
Acquisition
Time constant: 1.00 Sec
Sampling Rate: 1 Hz
Suitable for minimum peak width at base of: 0.333 Min
Run time: 10.0 Min
Acquisition delay: 0.0 Min
Wavelength Program
Used Channels: #1
Time (min) Wave-length 1 Events (0/1/P/_) Comments
1 0.00 254 0000
2 10.00 254 0000
Scan, nm [Range 190 - 900 nm]
Start 200 End 500 Advanced...
Acquire 3D data
Options
Autozero at start No Action at the end of run
Autozero at WL change
Method
Sequence
Reports
Control
Views
Time: 2.56069 Minutes - Amplitude: 254 Wavelength (nm)
Wavelength (nm)
Minutes
User: SYSTEM (SYSTEM) Project: Project Test 1
Idle

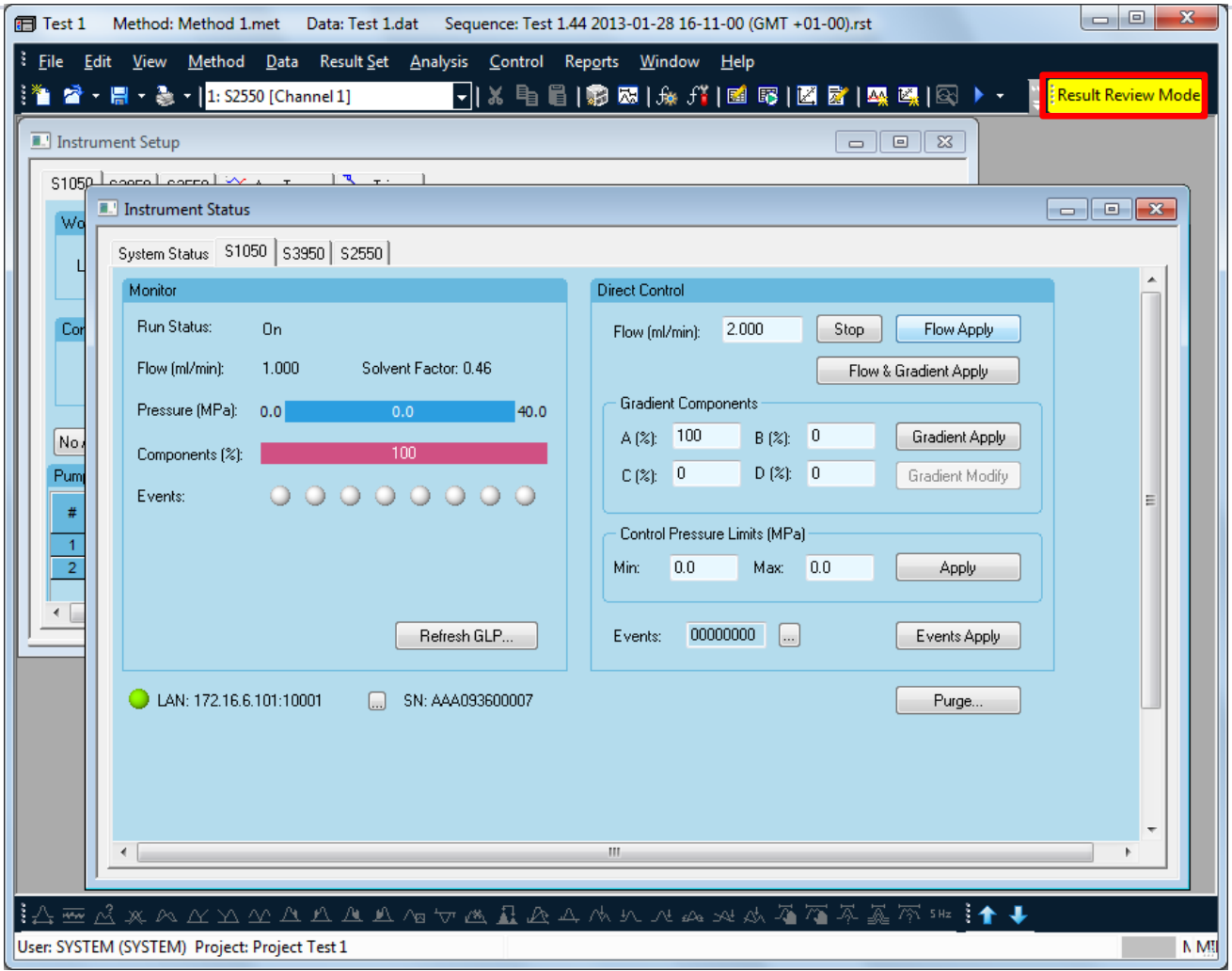
Single Run (2)


Single Run
Run information
Sample ID:
Method:
C:\Enterprise\Projects\Project Test 1\Method\M
Data file:
Test 1
Result path:
C:\Enterprise\Projects\Project Test 1\
Result name:
Calibrate
Calibration level:
1
Clear all calibration
Clear calibration for level
Print calibration report
Clear replicates
Start
Cancel
Help
Music
Pictures
Videos
Computer
OS (C:)
Enterprise
_Config
_OEM
Baseline
Preview
Projects
Project Test 1
Method
Sample Prep
Sequence
Template
Test 1.44 2013-01-28 16-11-00 (GMT +01-00).rslt
Name
Date modifi
Instrument44.cfg
28/01/2013
Test 1.44 2013-01-28 16-11-00 (GMT +01-00)
28/01/2013
Test 1.44 2013-01-28 16-11-00 (GMT +01-00)
28/01/2013
Test 1.44 2013-01-28 16-11-00 (GMT +01-00).rst.0.0001.acam_
28/01/2013
Test 1.44 2013-01-28 16-11-00 (GMT +01-00)_Method 1_ACQ_0_0001.macaml
28/01/2013
Test 1.44 2013-01-28 16-11-00 (GMT +01-00)_Method 1_DA_0_0001.macaml
28/01/2013
Test 1
28/01/2013

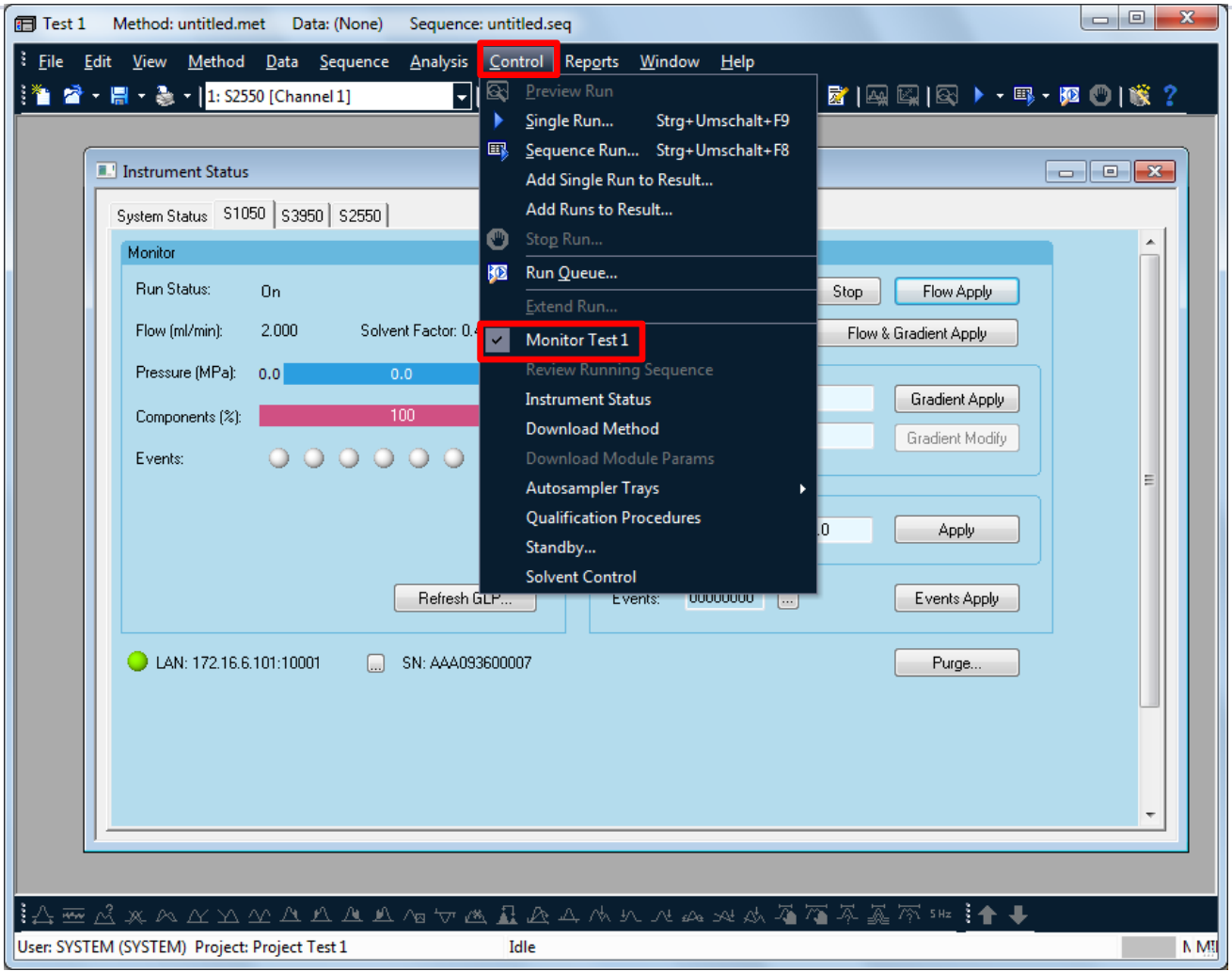
Single Run (3)


Single Run
Run information
Sample ID:
Method:
C:\Enterprise\Projects\Project Test 1\Method\M
Data file:
Test 2
Result path:
C:\Enterprise\Projects\Project Test 1\
Result name:
Test 2 Result
Calibrate
Calibration level:
1
Clear all calibration
Clear calibration for level
Print calibration report
Clear replicates
Average replicates
Start
Cancel
Help
Computer
OS (C:)
Enterprise
_Config
_OEM
Baseline
Preview
Projects
Project Test 1
Method
Sample Prep
Sequence
Template
Test 1.44 2013-01-28 16-11-00 (GMT +01-00).rslt
Test 1.44 2013-01-29 14-54-13 (GMT +01-00).rslt
Test 2 Result.rslt
Test 1.44 2013-01-28 16-11-00 (GMT +01-00).rslt 28/01/2013 16:22
Test 1.44 2013-01-29 14-54-13 (GMT +01-00).rslt 29/01/2013 14:54
Test 2 Result.rslt 30/01/2013 08:28

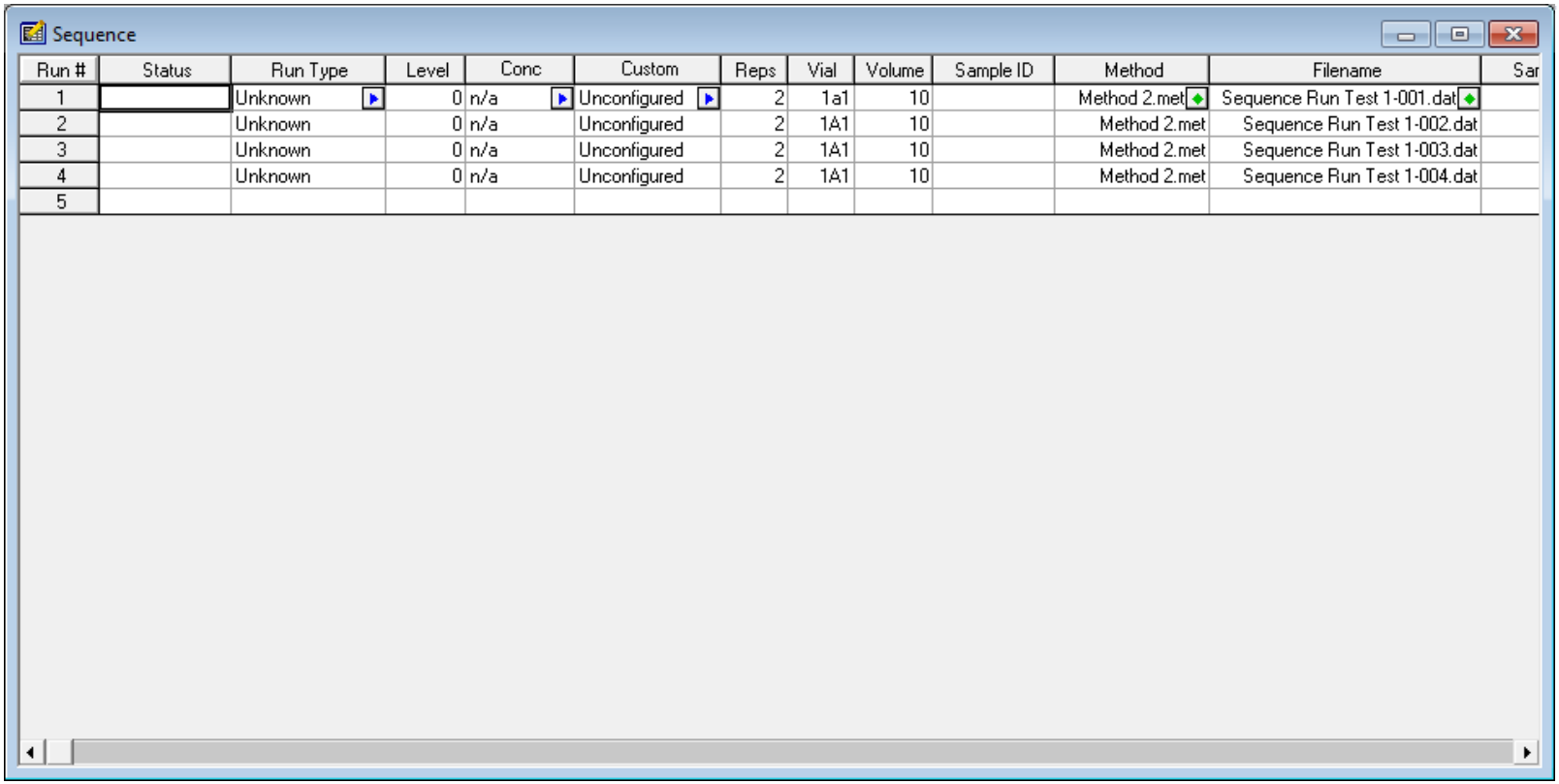
Single Run (4)


Test 1
Method: Method 1.met
Data: Test 1.dat
Sequence: Test 1.44 2013-01-28 16-11-00 (GMT +01-00).rst
File Edit View Method Data Result Set Analysis Control Reports Window Help
1: S2550 [Channel 1]
Result Review Mode
Instrument Setup
Instrument Status
System Status S1050 S3950 S2550
Monitor
Run Status: On
Flow (ml/min): 1.000 Solvent Factor: 0.46
Pressure (MPa): 0.0 0.0 40.0
Components (%): 100
Events:
Refresh GLP...
Direct Control
Flow (ml/min): 2.000 Stop Flow Apply
Flow & Gradient Apply
Gradient Components
A (%): 100 B (%): 0 Gradient Apply
C (%): 0 D (%): 0 Gradient Modify
Control Pressure Limits (MPa)
Min: 0.0 Max: 0.0 Apply
Events: 00000000 Events Apply
LAN: 172.16.6.101:10001 SN: AAA093600007
Purge...
User: SYSTEM (SYSTEM) Project: Project Test 1

Single Run (4)

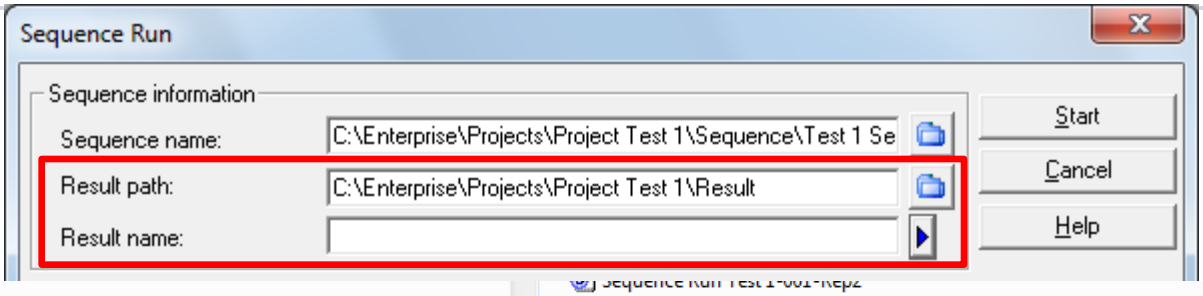

Test 1
Method: untitled.met
Data: (None)
Sequence: untitled.seq
File
Edit
View
Method
Data
Sequence
Analysis
Control
Reports
Window
Help
1: S2550 [Channel 1]
Preview Run
Single Run... Strg+Umschalt+F9
Sequence Run... Strg+Umschalt+F8
Add Single Run to Result...
Add Runs to Result...
Stop Run...
Run Queue...
Extend Run...
Monitor Test 1
Review Running Sequence
Instrument Status
Download Method
Download Module Params
Autosampler Trays
Qualification Procedures
Standby...
Solvent Control
Instrument Status
System Status
S1050
S3950
S2550
Monitor
Run Status: On
Flow (ml/min): 2.000
Solvent Factor: 0.
Pressure (MPa): 0.0
0.0
Components (%):
100
Events:
Stop
Flow Apply
Flow & Gradient Apply
Gradient Apply
Gradient Modify
Apply
Refresh GLP...
Events:
Events Apply
LAN: 172.16.6.101:10001
SN: AAA093600007
Purge...
User: SYSTEM (SYSTEM) Project: Project Test 1
Idle

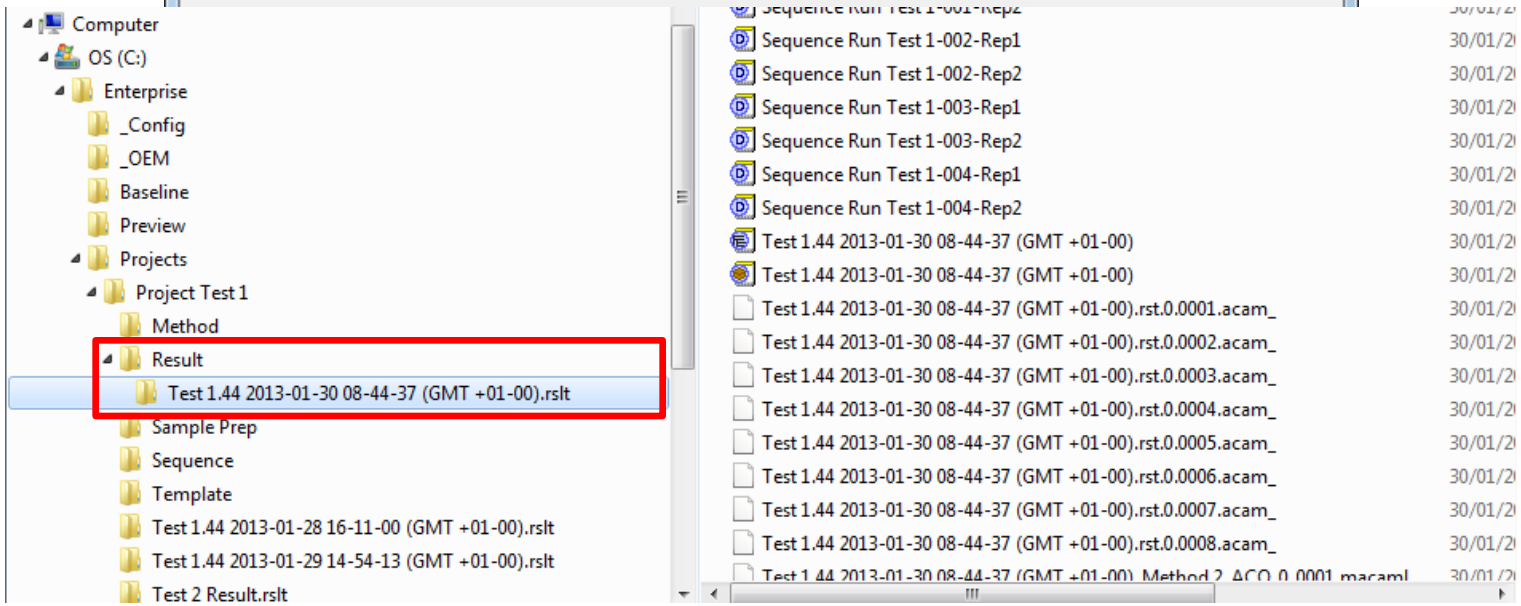
Sequence Run (1)



Run #	Status	Run Type	Level	Conc	Custom	Reps	Vial	Volume	Sample ID	Method	Filename	Sar
1		Unknown	0	n/a	Unconfigured	2	1a1	10		Method 2.met	Sequence Run Test 1-001.dat	
2		Unknown	0	n/a	Unconfigured	2	1A1	10		Method 2.met	Sequence Run Test 1-002.dat	
3		Unknown	0	n/a	Unconfigured	2	1A1	10		Method 2.met	Sequence Run Test 1-003.dat	
4		Unknown	0	n/a	Unconfigured	2	1A1	10		Method 2.met	Sequence Run Test 1-004.dat	
5												

Sequence Run (2)





KNAUER

New Knauer features in OpenLAB (1)

- Pumps

  - Precast step gardient

  - Increased display of pump table

  - Stopping of flow during a run (no general interruption of the run)

- Valves

  - semiautomatic pasting of lines into the valve table

KNAUER

New Knauer features in OpenLAB (2)

- Injection module – Stacked Injection

  - Simulation modus for the injection module – allows for adaption of stacked injections without devices (with virtual fraktion collector and detector)

  - Detachment of „Adjust Fraction Table after Stacked Injection“ for initial and stacked injections

KNAUER

Thank you for you attention.

support@knauer.net