

Configuration of Multi-User Layout for NIS-Elements C

Compatible with NIS-Elements C

*originally described February 2009
checked and updated July 2011*

A Reminder: Multiple User Accounts, while supported by NIS-Elements
is NOT OFFICIALLY SUPPORTED for A1.

The following instructions allow you to enable the A1 with multiple user accounts on a Windows Vista or Windows 7 OS, but they are not officially supported by Nikon Factory QA department.

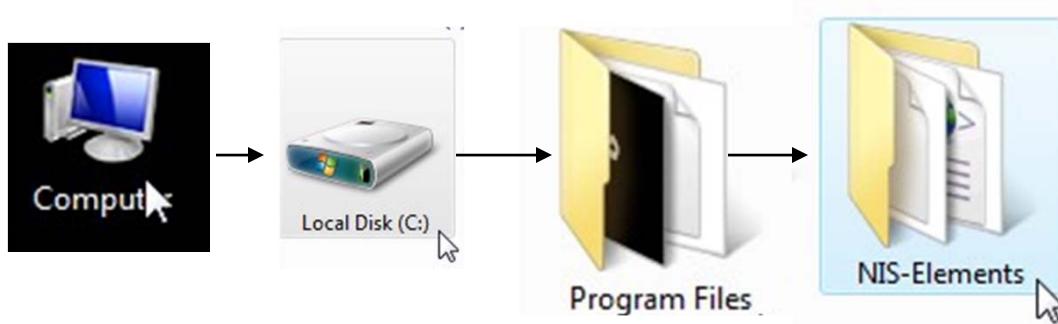
The Nikon Factory QA department only supports the A1 for a single administrator user account.

Outline of Installation Events

Before beginning, it is recommended to back up all optical configurations, and objective lists.

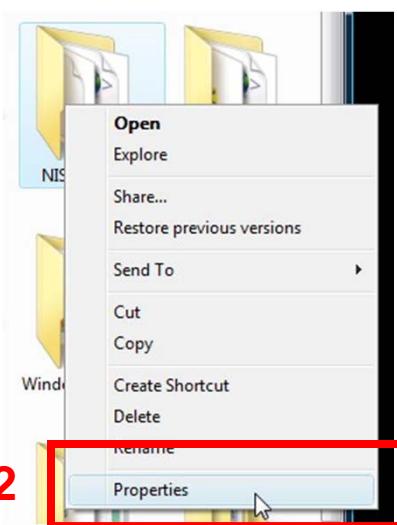
1. Enable read/write access to folders with drivers in them to all users. *Steps 1-8 on the following slides*
2. As Administrator, assign rights to the groups.
3. As Administrator, determine which layouts, Optical Configurations, etc. you wish to share.
4. As Administrator, Enumerate other system users.
5. Each user can then create their own layouts, Optical configurations, etc. and use the shared ones.

**ONLY Item 1 (steps 1-8) is REQUIRED for
the A1 to work in Multiple Windows User Accounts**



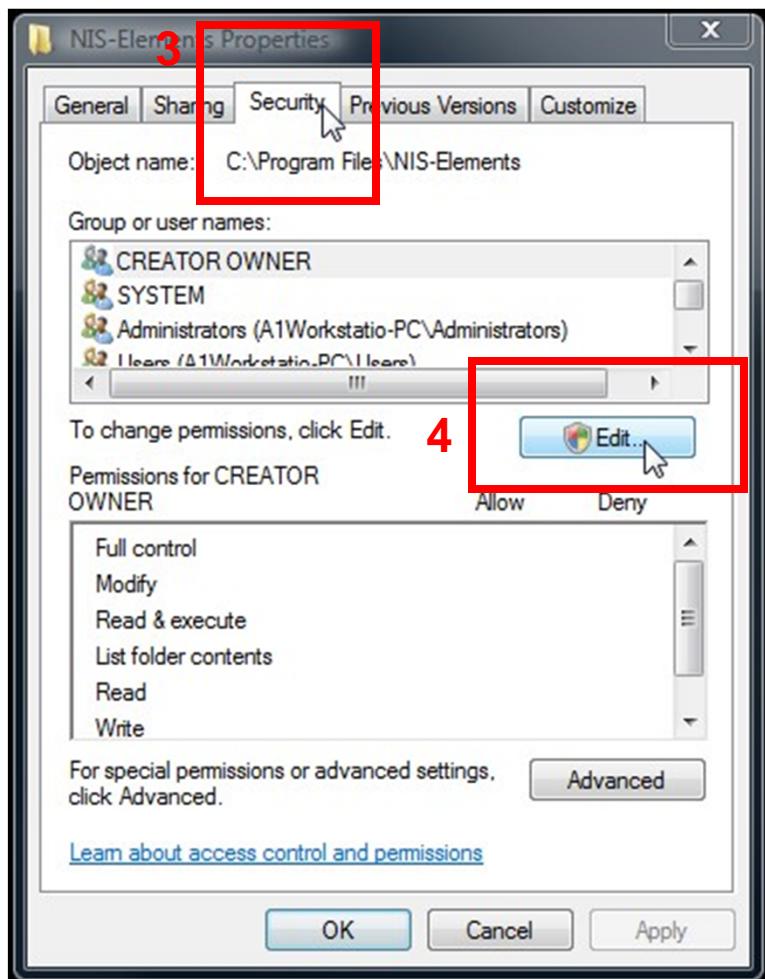
1. Locate the NIS-Elements directory on the PC

C:\Program Files\NIS-Elements

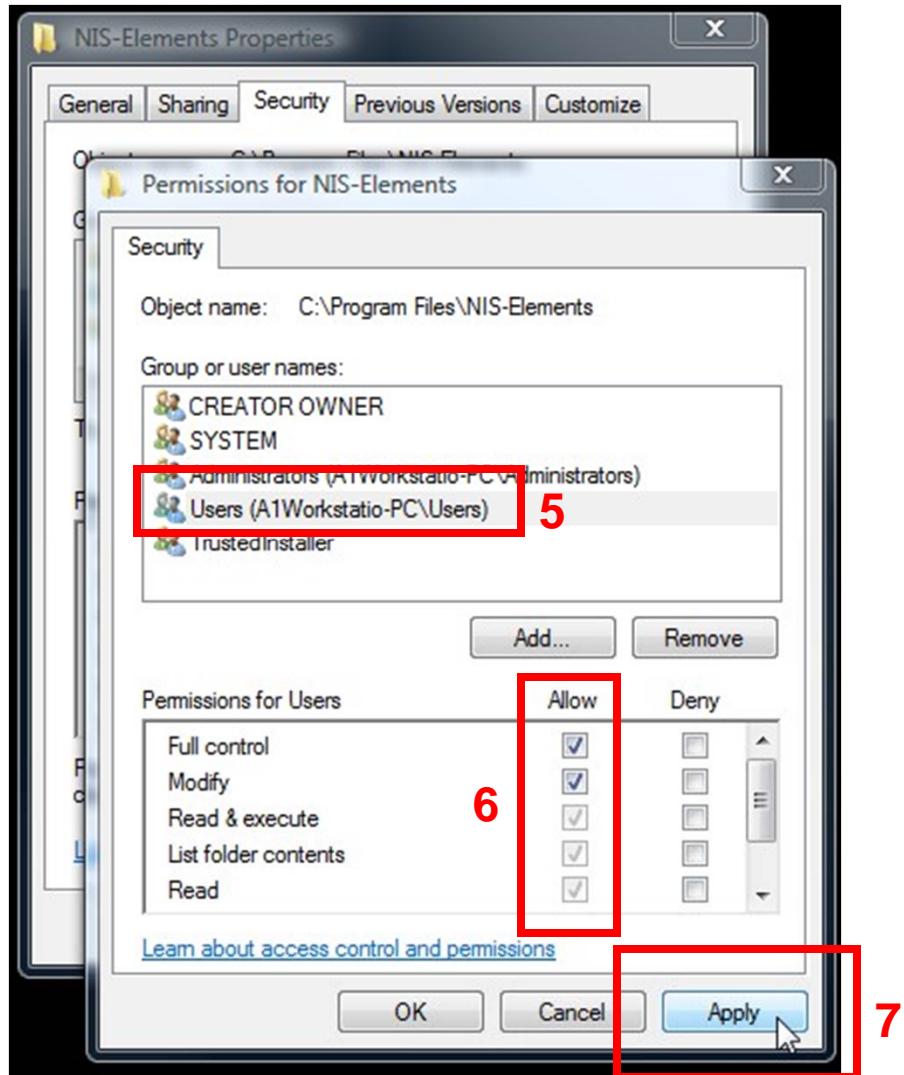


2. Right-Click on the directory, and select **PROPERTIES**

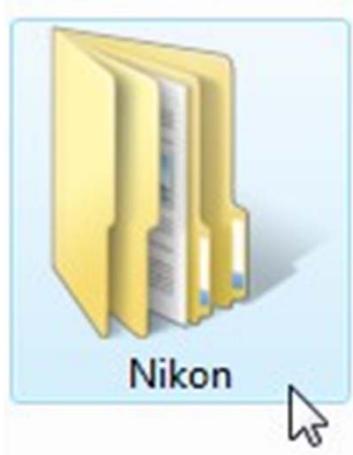
3. Select the **SECURITY** tab in the Properties window



4. Select the **EDIT** button to edit the security properties



5. Highlight the Group called "Users"
6. Check all the boxes, except the last one (special permissions) in the "Allow" category.
7. Apply the changes



C:\Program Files\Nikon

C:\Program Data\Nikon

C:\Program Data\Laboratory Imaging

8. Repeat this process (steps 2-7) on the following folders:

C:\Program Files\Nikon

C:\Program Data\Nikon

C:\Program Data\Laboratory Imaging

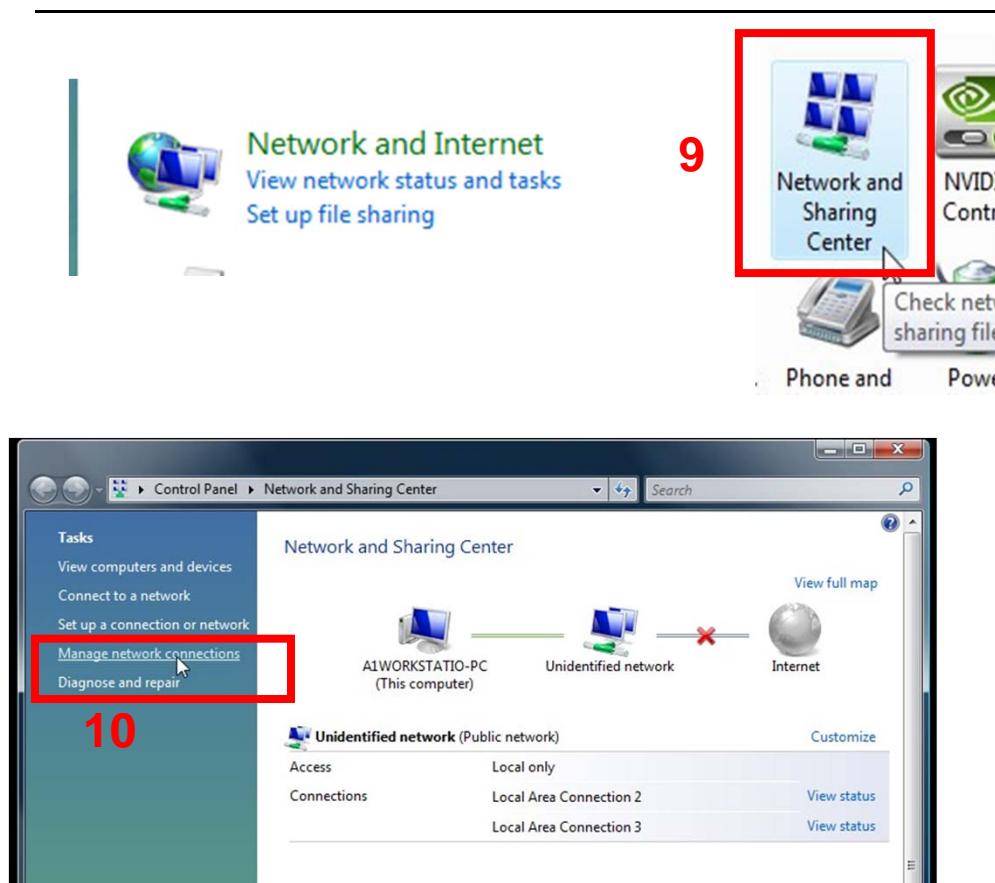
What did I just do?

Allowing full read/write access to the NIS-Elements directory and the Nikon directories for all users allows any user to be able to start NIS-Elements and the A1 confocal system.

NOTE: Because the NIS-Elements directory has full read/write access, users may wish to save images, data, macros, etc. to their own private directories

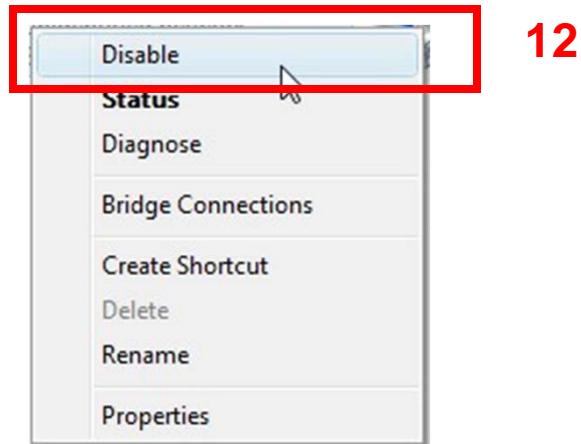
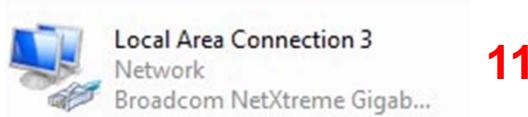
Steps 9-13 are **OPTIONAL**, but recommended if the PC is on a large network. Steps 9-13 temporarily disable the network, so only local users of the PC are added to the list of users. (on large networks, the enumeration process can take a very long time and every user will appear in NIS-Elements user list!)

*Alternatively to steps 9-13, you can simply unplug the RJ45 network cable from the PC when setting up User Rights. CAREFUL: Do Not unplug the **light blue** RJ45 cable connected to the A1!*



9. Go to **Windows Control Panel**, and locate the **Network and Sharing Center**; You may have to click on **Network and Internet** first depending on how your control panel is being displayed

10. In **Network and Sharing...** locate the “Manage Network Connections” Button



11. Locate “Local Area Connection 3”

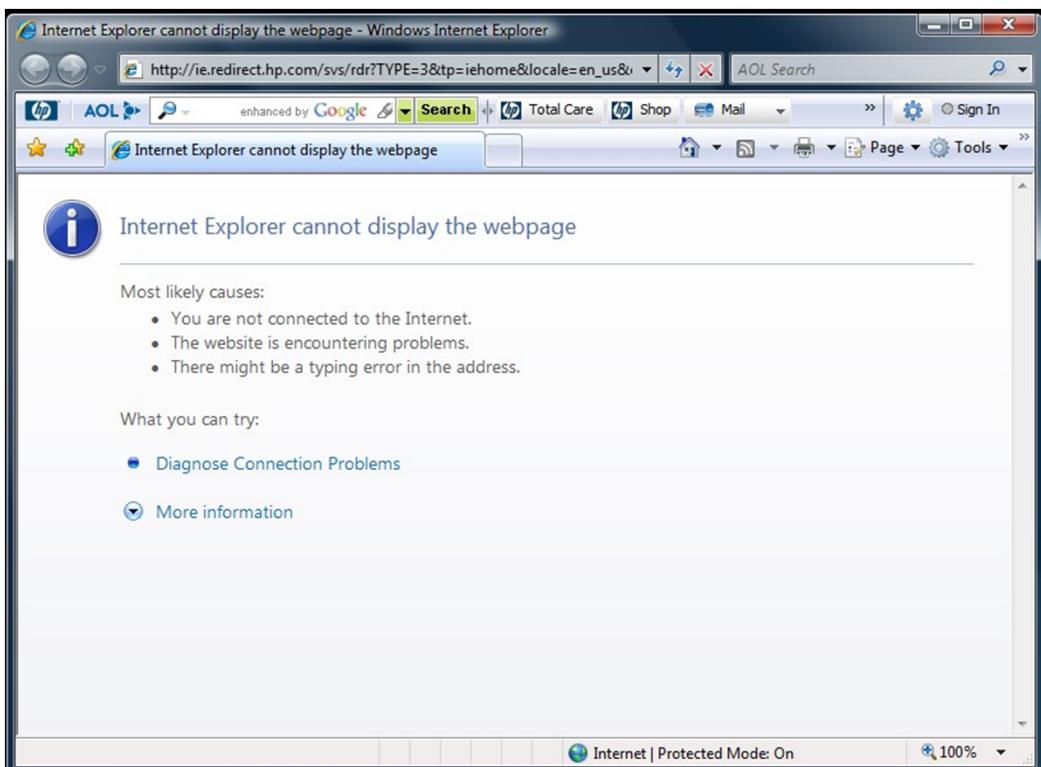
12. Right-click on this Network Connection and choose “DISABLE”

NOTE: The A1 PC usually has several (up to 4) Local Area Network Connections. The A1 itself communicates via network, so it is important NOT to disable the A1 Connection. The A1 Connection is always described as the “Unidentified Network”



— The A1 connects usually on LAC 2

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13. Start your Web browser

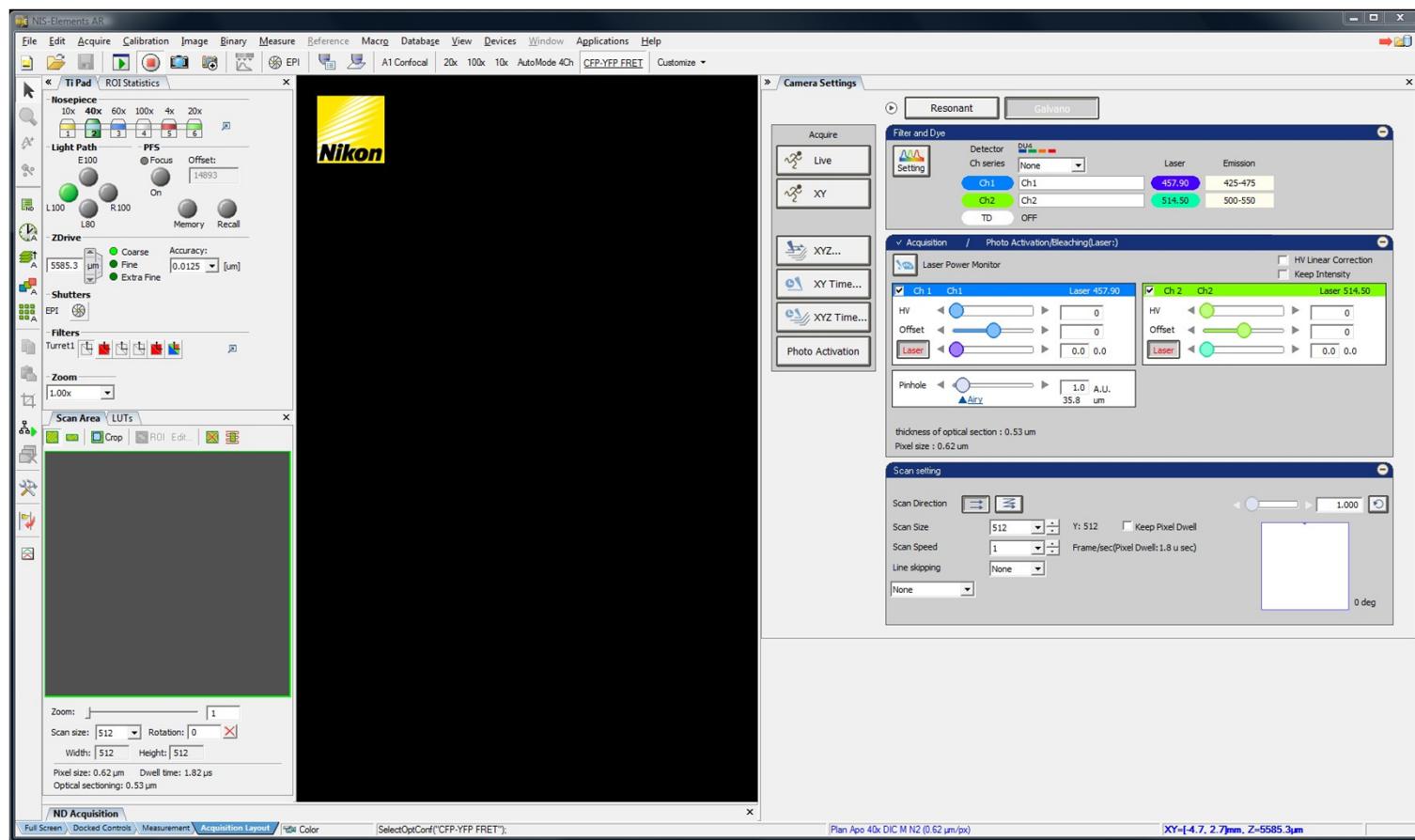
You should get an error when trying to connect to the internet.

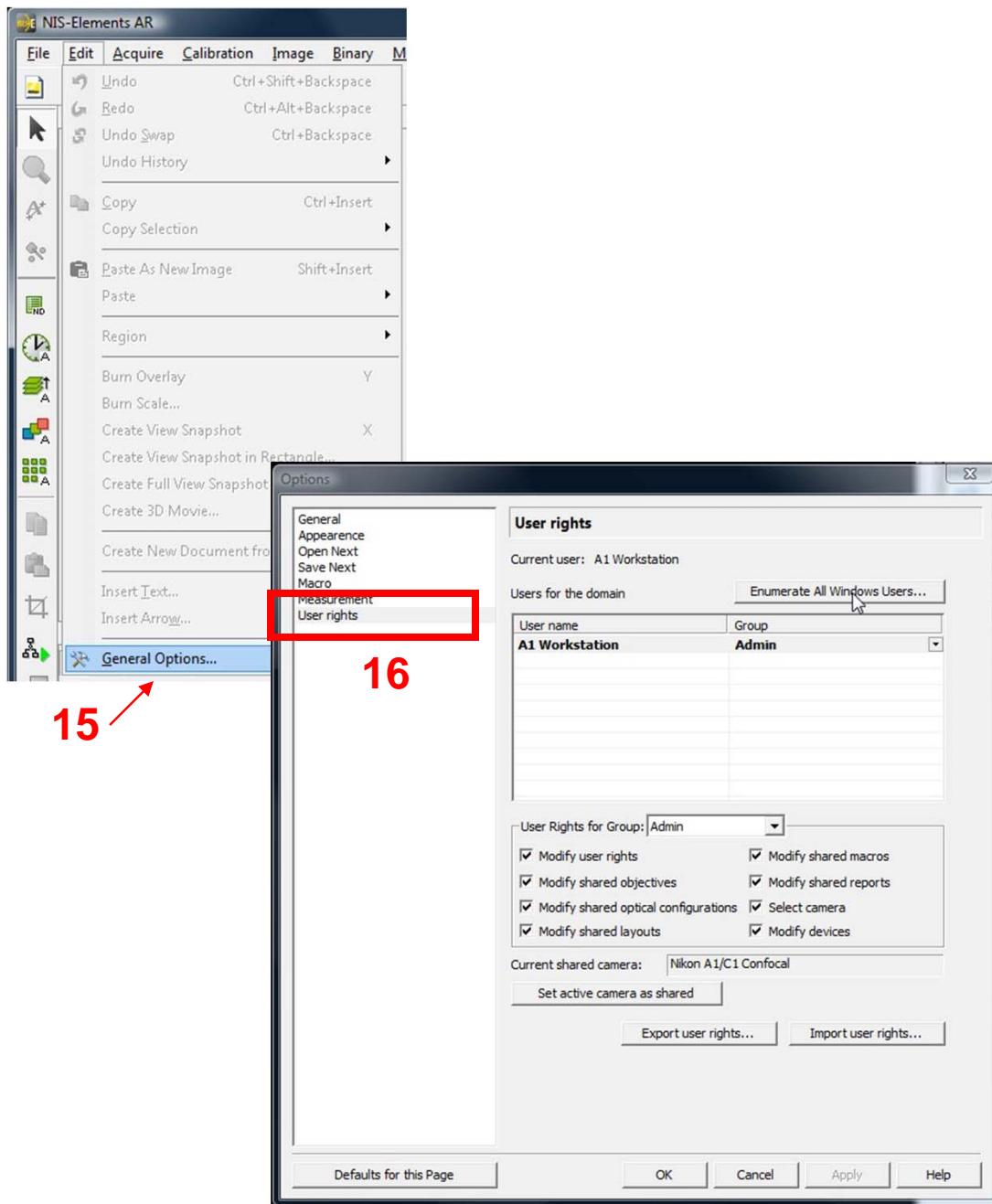
If you do not get this error, choose a different LAC instead and re-enable the LAC2.

14. Start NIS-Elements

(Optional) You can set up a preferred layout of dialog boxes at this time

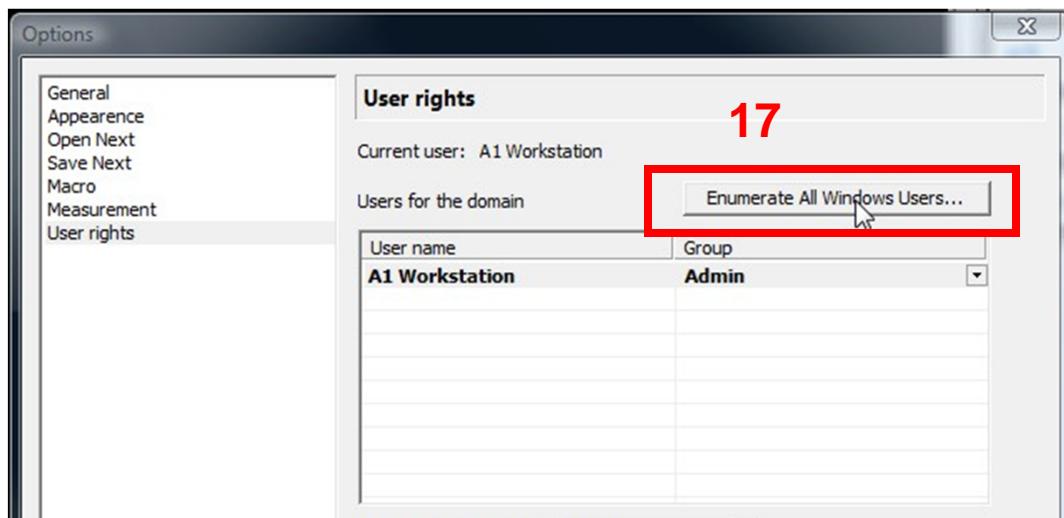
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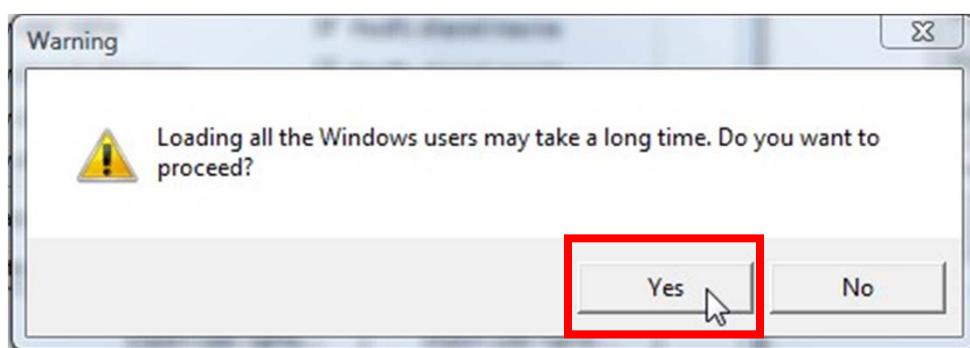
15. Locate the GENERAL OPTIONS from the EDIT pull-down menu.

16. In the GENERAL OPTIONS window, on the left side, select the USER RIGHTS option.

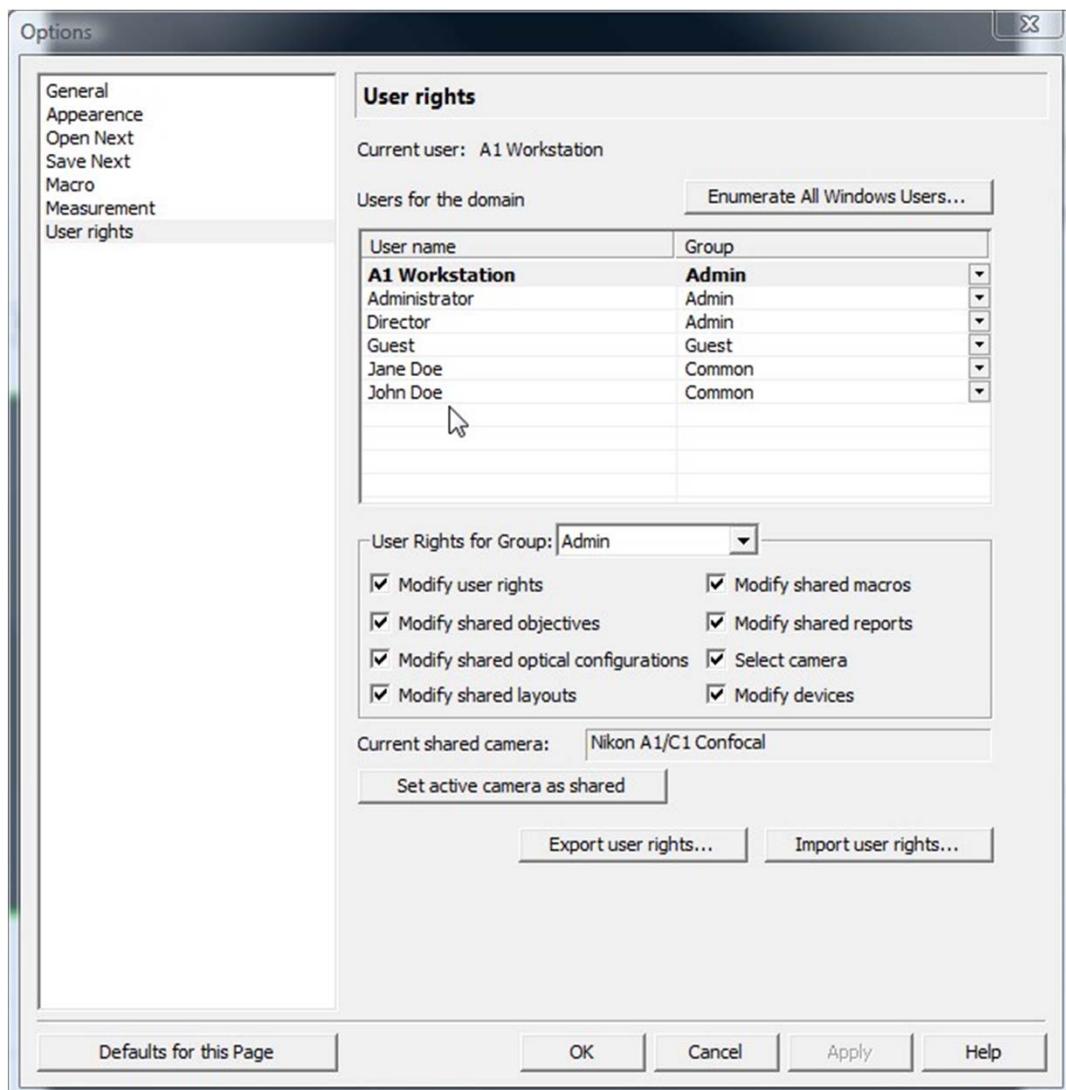


17. Locate the button
Enumerate all Windows
Users – this will add all of
the users who have accounts
on the PC to the list.

WARNING – if there is an active
Internet connection, all the users
in a DOMAIN could be added.
It is recommended to disable
the internet connection so only
local users are added.
(see steps 9-13)



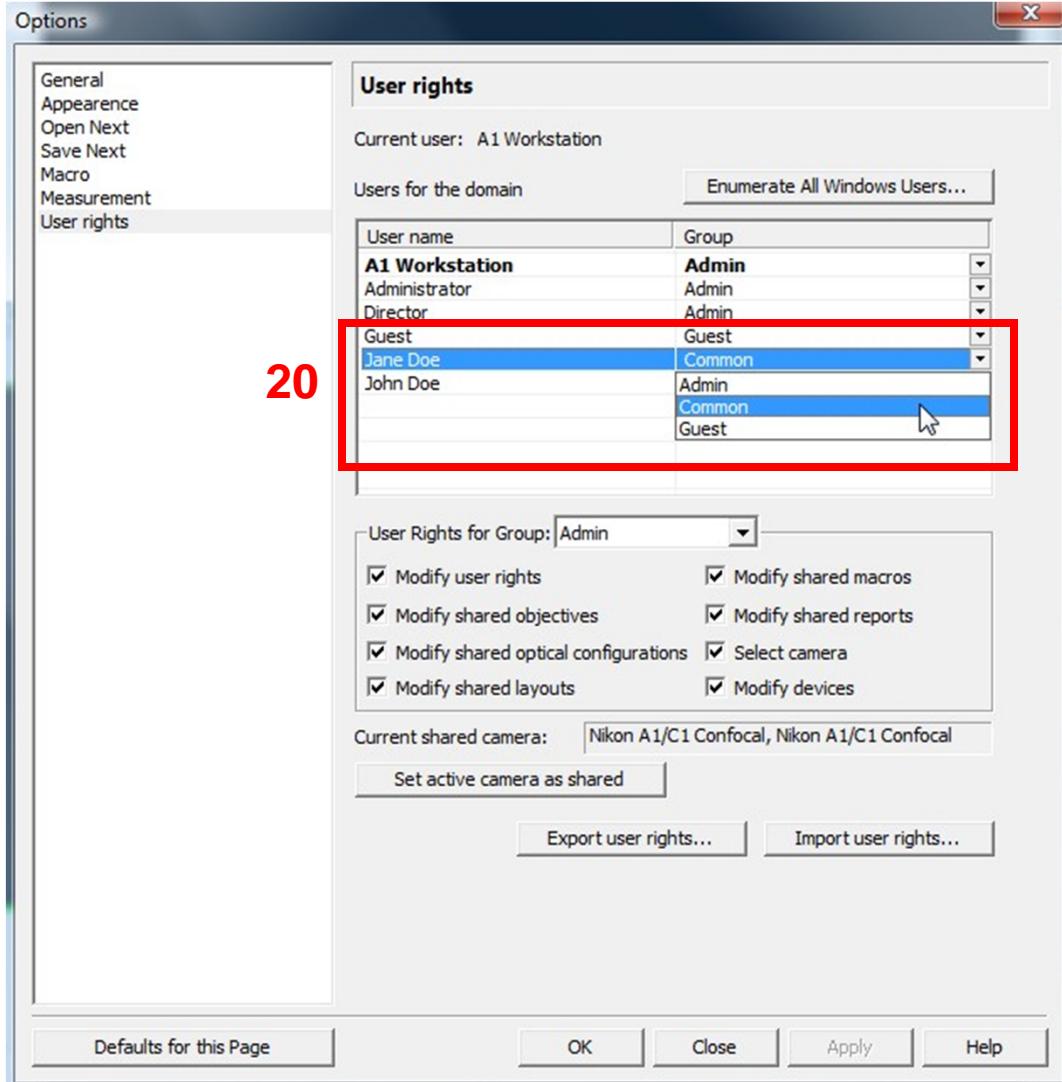
18. Click Yes at the warning
message to add all users.



19. Once all the users have been added, you will see a list of all names.

NOTE: If new users are added to Windows after this step, step #18 must be repeated again.

If you followed Steps 9-13 to disable your network, you can
Re-enable it now, or re-plug in the network cable.



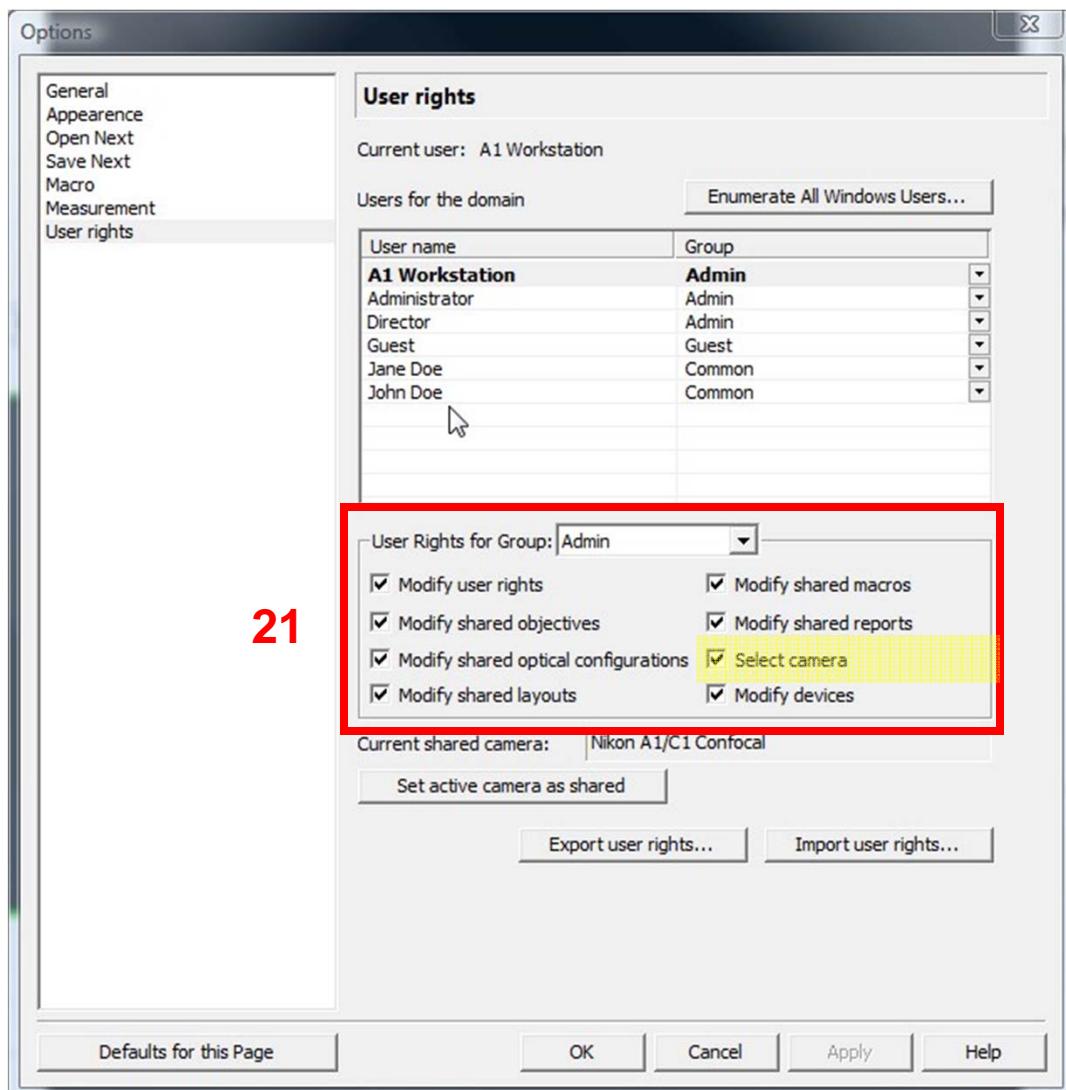
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20. As the Administrator, you can select the privilege level of each user by selecting a user, then assigning that user to a group.

There are 3 group types:
Administrators
Common
Guests

- The Administrator can distribute “rights” to each group (step 21)

NOTE: The privilege level assigned inside NIS-Elements does not have to match the privilege level on the PC. That is, *Common* users of the Operating System can still be assigned as *Administrators* of NIS-Elements.



21. Use the Pull-down menu to select the User Group.

Once the user group is selected, check the boxes next to each item you wish the user group to have access to.

NOTE:

Recommended item for Group “Common” are highlighted in Yellow at left.

Selecting all Checkboxes is recommended for Group “Administrators”



Recommend option for Administrators only



Recommend option for all groups

Group can decide which checkboxes below are selectable for all groups

Group can modify the objective lens or calibration of the objective lens of objectives that are shared by all groups*

Group can modify Optical configuration settings layouts that are shared by all groups

- Modify user rights
- Modify shared objectives
- Modify shared optical configurations
- Modify shared layouts
- Modify shared macros
- Modify shared reports
- Select camera
- Modify devices

Group can modify Toolbar and GUI layouts that are shared by all groups

Group can modify the contents of custom Macros written to perform specific tasks

Group can modify custom Reports and templates

Group can select which camera to use for a session.

Group can modify device options and controls, including changing filter specifications, motor speeds, and other hardware functions.

* Admins may wish to allow Common users access to this function if Objective lenses are frequently moved or exchanged on the system

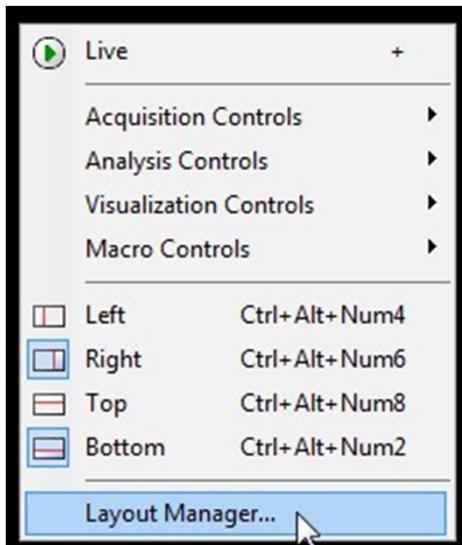
User Rights Overview:

Private

- Accessible only by the user who logs in
- Does not affect any other user's settings
- Cannot be seen by other users when they log in
- Is the default setting for all functions

Shared

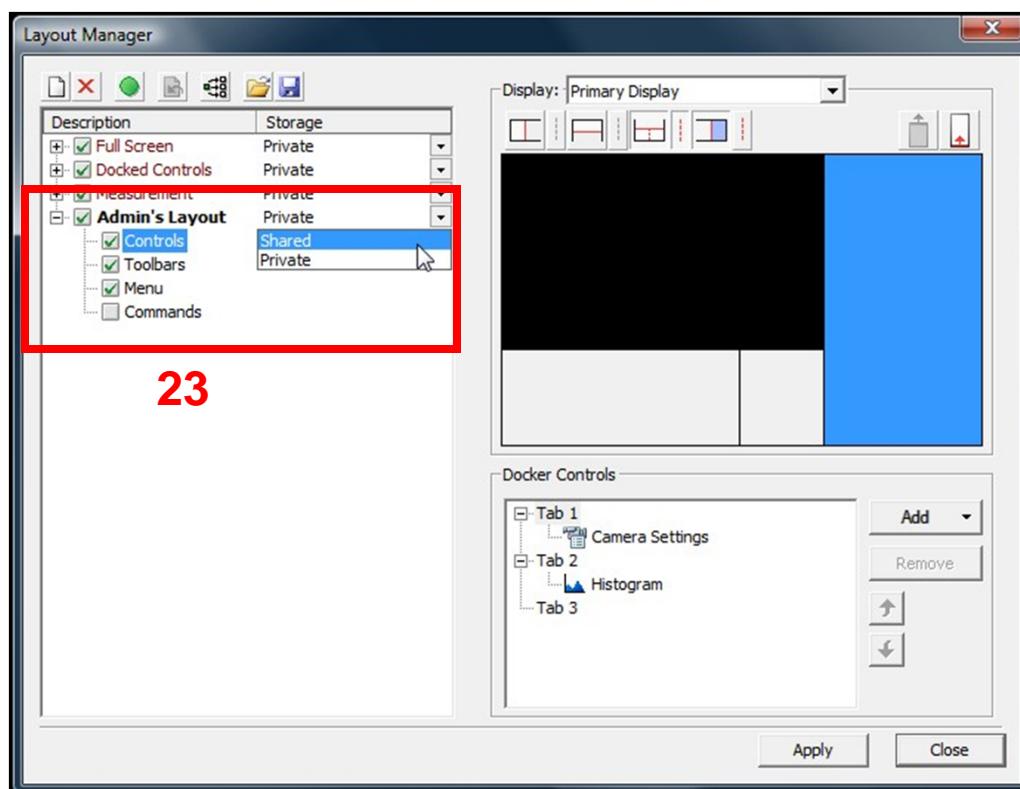
- Accessible and visible by all users
- Can be modified by any user if the Administrator has allowed modification (see checkboxes on previous slide)
- Can be set to “read only” status by the Administrator (see checkboxes on previous slide).



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22. Admins can assign GUI layouts to share with all users using the Layout Manager.

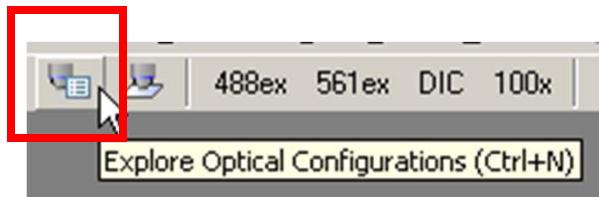
Access the Layout Manager by Right-clicking inside the NIS-Elements desktop, and selecting “Layout Manager” from the list.



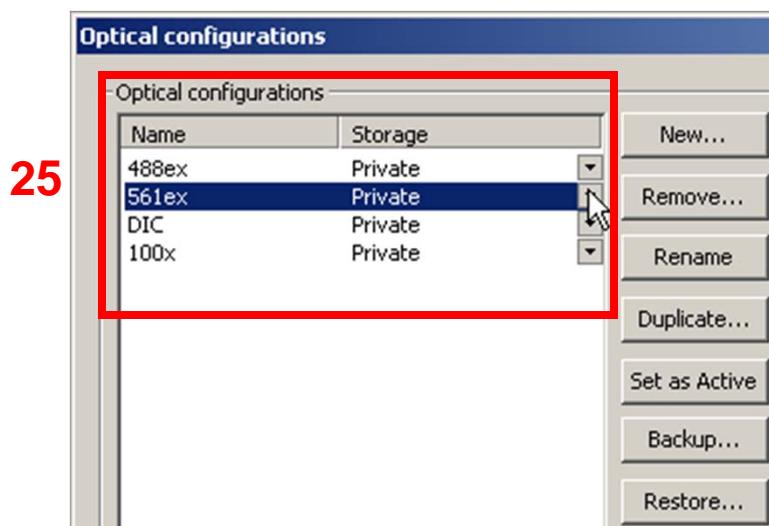
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23. By default, all standard layouts are Private.

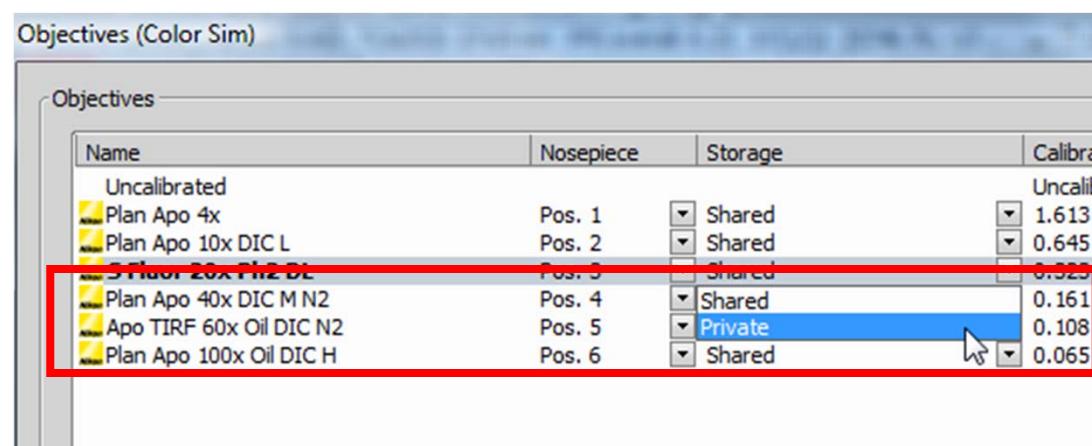
If the Administrator creates a layout and wishes it to be shared, it can be done by changing the pull-down menu option.



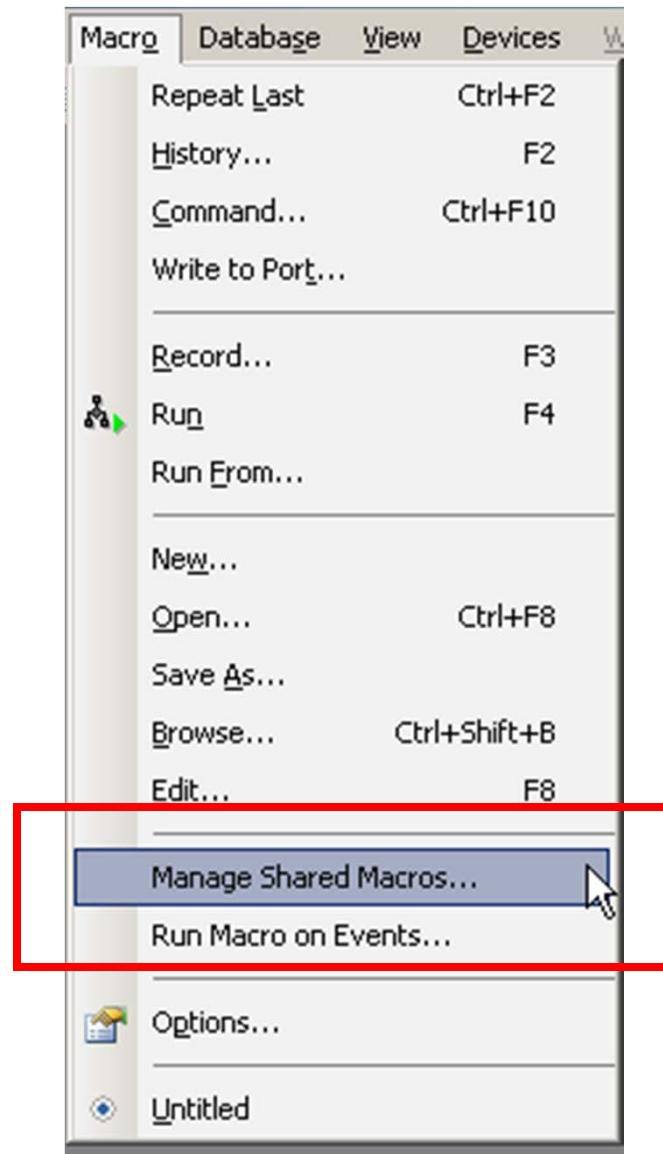
24. Select the icon to Explore Optical Configurations in order to Share or make Private optical configurations



25. Use the pull-down menu to select....

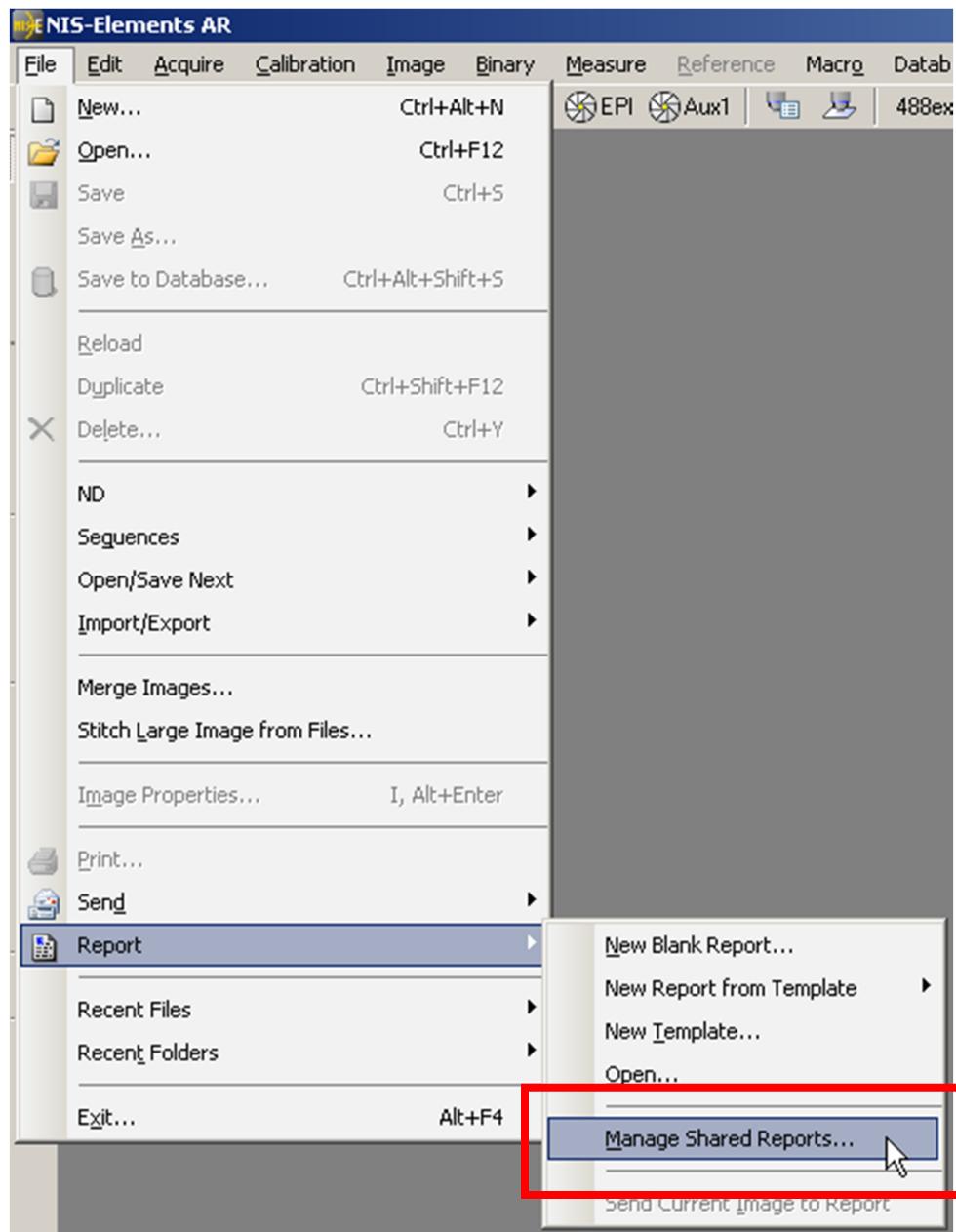


26. Objectives and calibration can be set to shared or private, also.



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27. Manage Macros for Sharing or Privacy from the MACRO pull-down menu in NIS-Elements, and select “Manage Shared Macros...”



28. Manage Reports for Sharing or Privacy from the File... pull-down menu, select “Report”, and select “Manage Shared Reports..”

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When a Windows User logs into Windows Vista 64 and starts NIS-Elements for the first time, the default Layout (shown below) will be loaded

If the Administrator has shared layouts, optical configurations, or other options, they will be shown in the GUI.

When a user changes the layout to suit his/her preference, the settings will be saved and set as private settings.

Shared settings can be saved by a user *only if the Administrator has granted the user group privileges to modify those settings.*

