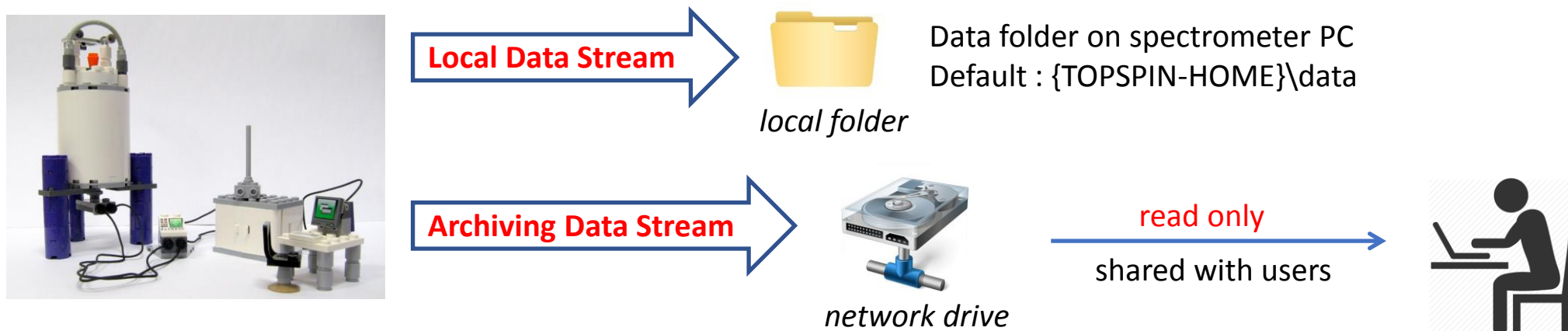


More Resilient and Secure IconNMR Data Archiving

Standard setup



2 options for creating archiving data stream

A) IconNMR archiving directory function

Archiving Directory	X:\network-drive	
Umask	r--r--r-- User:r NmrUser:r Everyone:r	

B) AUNMP can be set to write archiving copy and include title, originator etc. in the dataset name

Disadvantage

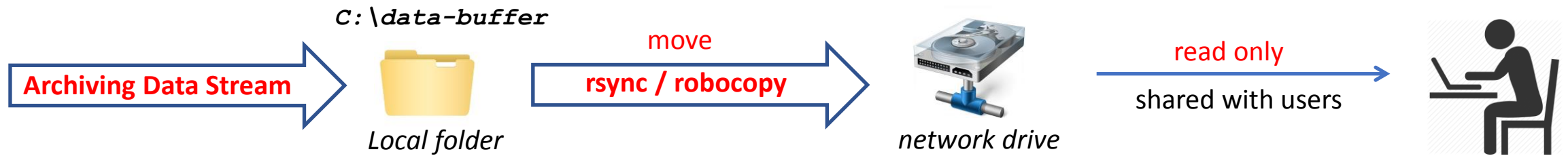


A) Resilience : temporary network outage \Rightarrow data does not get archived

B) Security : Umask works only for NFS mounts.

In the case of other filesystems (SMB/CIFS) IconNMR users have write access to archived data through spectrometer PC.

More Resilient and Secure IconNMR Data Archiving



Windows



- Use Windows Task Scheduler to run following batch script as administrator at start-up of PC
- In settings of the scheduled task uncheck "Stop the task if it runs longer than: " !!!!

```
@echo off
net use x: \\datastore.domain\path password /user:username /persistent:no
robocopy c:\data-buffer\data x:\path\data /S /MOV /copy:DT /XA:H /W:5 /R:1 /MOT:1
```

⇐ connecting network drive
⇐ moving data

Linux

- Add following line into /etc/crontab

```
* * * * * rsync root rsync -rtvuc -remove-source-files /data-buffer/ /mnt/network-drive
```

Note : text in green has to be customised

Advantage



- A) Resilience** : temporary network outage \Rightarrow data remains in the buffer folder and are moved to data-store as soon as the connection is re-established
- B) Security** : network drive is hidden or read-only for ordinary users