PROXIMA 2A - Remote Access for Users

- **Before the remote access session (>1 week):**
  - Obtain your SUNSET project number and password (e.g. 20180123, wDvg2ke7Gt)
  - Ask the BL staff to contact the SOLEIL IT group to permit remote access for your project number
  - Test the connection to SOLEIL
    - Use a « decent » network connection (e.g. ADSL, not modem)
    - Download NoMachine
    - Screen resolution 2560 x 1440 (MXCuBE is optimised for this resolution)
    - Mouse with Left-Right buttons and a Scroll-wheel

- **Start NoMachine**
  - Check the connection parameters (Right-hand click & Edit Connection)
    - Name = PX2A (for example)
    - Protocol = NX
    - Host = nx-vip.synchrotron-soleil.fr
    - Port 4000

  - Open either a **Physical** or **Custom** session on **proxima2a-10**
    - **Physical** session on **proxima2a-10**
      - Shares the display & mouse with users in front of the machine
      - To select a display from multiple displays
        » <ctl-alt-I> IDENTIFIES displays as 1,2,3,4...
        » <ctl-alt-A> view ALL displays
        » <ctl-alt-${display_number}> switch to display_number = 1,2,3,4 or ...

    - **Custom** session on **proxima2a-10**
      - Independent display & mouse, which can run a separate instance of MXCuBE or X-terminal for processing

  - Open a terminal window from the side menu/icons
    - **gnome-terminal &** [launches gnome terminals]
    - **mxcube** [launches MXCuBE to control your experiment]
    - **albula** [to display diffraction images]
    - **ssh -X process1** [to process data on the 280-core server]