Debian Bullseye (Debian 11) Setup (installing using KDE Plasma desktop environment)

1. Applications -> Settings -> System Settings

    a. Appearance

        i. Global Theme

            1. Select "Get New Global Themes..."

            2. Install "Sweet KDE" theme

            3. Click "Close"

            4. Select "Sweet"

            5. Click "Apply"

        ii. Application Style

            1. Window Decorations

                1. Theme

                    1. Select "Sweet-Dark-transparent"

                    2. Click "Apply"

        iii. Cursors

            1. Select "Sweet-cursors"

            2. Click "Apply"

    b. Workspace

        i. Workspace Behavior

            1. General Behavior

                1. Clicking files or folders:

                    1. Select "Selects them"

                2. Touch Mode:

                    1. Select "Never enabled"

                3. Click "Apply"

            2. Desktop Effects

1. Focus

    1. Select "Dim Inactive"

    2. Click "Apply"

3. Screen Locking

    1. Activation

        1. Lock screen automatically:

            1. After "10 seconds"

        2. Appearance:

            1. Click "Configure..."

            2. Select "Safe Landing"

        3. Click "Apply"

4. Virtual Desktops

    1. Change # rows -> 2

    2. Change animation -> "Fade Desktop"

    3. Create virtual desktops as necessary

    4. Click "Apply"

ii. Shortcuts

    1. Power Management

        1. **Note**: Only do this if the default buttons don't automatically work

        2. Decrease Screen Brightness (click drop down arrow)

            1. Click "+ Add custom shortcut" button

                1. Press Meta and F3

        3. Increase Screen Brightness (click drop down arrow)

            1. Click "+ Add custom shortcut" button

                1. Press Meta and F4

        4. Click "Apply"

iii. Startup and Shutdown

1. Login Screen (SDDM)

    1. Theme

        1. Select "Breeze Fedora"

        2. Click "Apply"

    2. Autostart

        1. Remove any apps from here as desired (use "-" button)

    3. Desktop Session

        1. When logging in:

            1. Select "Restore last session"

        2. Click "Apply"

c. Personalization

    i. Notifications

        1. Popup

        2. Choose Custom Position...

        3. Select bottom right circle

        4. Click "Apply"

    ii. Applications

        1. First, in Konsole...

            1. **$** sudo apt install firefox-esr thunderbird

        2. Default Applications

            1. Web Browser -> "Firefox ESR"

            2. Email Client -> "Thunderbird"

d. Network

    i. Connections

        1. Wired connection 1

            1. Connection Name -> "Ethernet"

            2. Wired

1. Restrict to Device -> choose Ethernet port (should be the only option)

3. IPv4

   1. Method -> Manual

   2. Click "+ Add"

      1. Address -> 10.10.100.100

      2. Netmask -> 16 or 255.255.0.0

      3. Gateway -> 0.0.0.0

   4. Click "Apply"

e. Hardware

   i. Input Devices

      1. Keyboard

         1. Hardware

            1. NumLock on Plasma Startup -> "Turn on"

            2. Click "Apply"

         2. Mouse

            1. **Note**: This is only necessary if middle button doesn't work

            2. Select "Press left and right buttons for middle-click"

   ii. Display and Monitors

      1. Primary monitor -> 1920x1080

      2. Secondary monitor -> 1024x768

   iii. Power Management

      1. Energy Saving

         1. Under all tabs ("On AC Power", "On Battery", On Low Battery")

            1. Deselect "Screen Energy Saving"

               1. **Note**: Won't need to do this if screen lighting isn't a problem on machine like it is with mine

2. "Button events handling"

    1. Select "Even when an external monitor is connected"

    2. When power button pressed -> Sleep

    3. Click "Apply"

iv. Removable Storage

  1. Removable Devices

    1. All Known Devices

      1. Select "On Login"

      2. Select "On Attach"

    2. Select "Automatically moutn removable media that have never been mounted before"

    3. Click "Apply"

f. Desktop settings

  i. Right click on Desktop

    1. Configure Desktop and Wallpaper...

      1. Wallpaper

        1. Select "Safe Landing"

        2. Click "Apply"

      2. Icons

        1. Arrangement -> Columns

        2. Sorting

          1. Deselect "Folders first"

        3. Click "Apply"

      3. Click "OK"

g. Application Launger (Start button equivalent)

  i. Right click

    1. Configure Application Launcher...

      1. Icon -> click

1. Select "Choose..."

    1. Search for desired icon

    2. Select icon from menu

    3. Select "OK"

2. Select "Apply"

3. Select "OK"

2. Mounting HDD ("Torchwood")

    a. Applications → System → KDE Partition Manager

        i. Select HDD

            1. Click "ext4" partition

                1. Partition

                    1. Edit Mount Point

                        1. Path: -> /run/media/"$USER"/Torchwood

                        2. Select "Users can mount and unmount"

                        3. Click "OK"

    b. If "Torchwood" is not recognized for some reason

        i. Applications -> System -> KDE Partition Manager

            1. Select HDD

            2. Device

                1. New Partition Table

                    1. GPT

            3. Select unallocated partition (should be whole disk)

                1. Partition

                    1. New

                        1. File system -> ext4

                        2. Label: -> Torchwood

                        3. Click "OK"

            4. **Note**: With settings chosen above, "Torchwood" should automatically mount to /run/media/"$USER"/Torchwood on restart

3. Dolphin (file explorer) settings

   a. Open "Dolphin"

      i. Click this icon in upper right corner ->

         1. Select "Show Hidden Files"

         2. Configure Dolphin...

            1. General

               1. Behavior

                  1. Miscellaneous:

                     1. Select "Switch between split views panes with tab key"

               2. Confirmations

                  1. When opening an executable file: -> Open in application

            2. View Modes

               1. Details

                  1. Default icon size: -> 22 pixels

                  2. Date style: -> "Absolute"

            3. Click "Apply"

            4. Click "OK"

         3. Configure Toolbars...

            1. Between "Forward" and "--separator--"

               1. Add "Up"

               2. Add "Refresh"

            2. Click "Refresh"

               1. Change Text...

                  1. Select "Hide text when toolbar shows text alongside icons"

      2. Click "OK"

3. Between "Location Bar" and "Split"

    1. Add "--expanding spacer--"

    2. Add "Terminal"

        1. Click -> Change Text...

           1. Select "Hide text when toolbar shows text alongside icons"

           2. Click "OK"

    3. Add "Open Terminal"

4. Remove "Stash"

5. Click "Apply"

6. Click "OK"

4. Konsole (terminal) settings

   a. Settings

      i. Configure Konsole...

         1. General

            1. Deselect "Remember window size"

         2. Tab Bar/Splitters

            1. Appearance

               1. Position -> Above terminal area

         3. Click "Apply"

         4. Click "OK"

      ii. Configure Toolbars...

         1. Main Toolbar <konsole>

            1. Remove "Split View"

            2. Add "Split View Left/Right"

               1. Click -> Change Text...

                  1. Icon text: -> Split Left/Right

            3. Add "Split View Top/Bottom"

               1. Click -> Change Text...

                  1. Icon text: -> Split Top/Bottom

            4. Add "Load a new tab with layout 1x2 terminals"

               1. Click -> Change Text...

                  1. Icon text: -> New Tab (1x2)

            5. Add "Load a new tab with layout 2x1 terminals"

               1. Click -> Change Text...

                  1. Icon text: -> New Tab (2x1)

            6. Add "Load a new tab with layout 2x2 terminals"

               1. Click -> Change Text...

      1. Icon text: -> New Tab (2x2)

2. Main Toolbar <session>

    1. Remove separator between "Print Screen" and "--separator--"

3. Session Toolbar <session>

    1. Remove all

4. Click "Apply"

5. Click "OK"

5. Clock settings

   a. Right click the time widget

      i. Select "Configure Digital Clock..."

         1. Appearance

            1. Select "Show date"

            2. Show time zone -> Always

            3. Date format: -> Custom

               1. Input this format -> "ddd, d MMM yyyy"

            4. Click "Apply"

         2. Calendar

            1. Available Plugins:

               1. Select "Astronomical Events"

               2. Select "Holidays"

            2. Click "Apply"

         3. Time Zones

            1. Search for and select "UTC"

               1. Click "OK"

            2. Click "Apply

         4. Click "OK"

6. Kate (text editor) settings

    a. Open "Kate"

        i. Settings

            1. Select "Show Toolbar"

            2. Configure Kate...

                1. Appearance

                    1. General

                        1. Bracket matching:

                            1. Select "Flash matching bracket when cursor moves to other bracket in pair"

                            2. Select "Show indentation lines"

                    2. Counts:

                        1. Select "Show line count"

                2. Color Themes

                    1. Default schema for kate: -> Breeze Dark

                3. Editing

                    1. Indentation

                        1. Indent using -> Tabulators

                4. Session

                    1. Application Shutdown Behavior

                        1. Select "Files with unsaved changes"

                5. Plugins

                    1. Select "GDB"

                6. Projects

                    1. Autoload Repositories

                        1. Deselect "Subversion"

                        2. Deselect "Mercurial"

7. Click "Apply"

8. Click "OK"

3. Configure Toolbars...

1. Main Toolbar <kate>

1. Between "Open..." and "--separator--"

1. Add "Split Vertical"

2. Between first 2 "--separator--"s

1. Add "Rename..."

2. Click "Apply"

3. Click "OK"

ii. Right-click in toolbar area

1. Deselect "Lock Toolbar Positions"

1. Move toolbars around as desired

2. Toolbars Shown

1. Deselect GDB Plugin

3. Reselect "Lock Toolbar Positions"

7. Restore SSD contents from backup HDD

    a. Recreate symbolic links

8. Run linux_setup.sh

9. Virtual Machine Manager console resize

    a. Applications -> System -> Virtual Machine Manager

        i. Edit

            1. Preferences

                1. General

                    1. Select "Enable XML editing"

                2. Console

                    1. Resize guest with window: -> On

                    2. Click "Close"

10. Desktop Panel

    a. Right click

        i. Add Widgets...

            1. Add "Trashcan"

            2. Add "Weather Report"

        ii. Enter Edit Mode

            1. Move "Trashcan" and "Weather Report" to right side of panel

            2. More Options...

                1. Panel Alignment

                    1. Select "Center"

                2. Opacity

                    1. Select "Translucent"

                3. Select "Floating Panel"

            3. Exit

    b. Show Desktop

    c. System Monitor

    d. Kate (text editor)

    e. Spectacle (screenshot capture utility)

    f. Remote Desktop Viewer

    g. Virtual Machine Manager

    h. ClusterSSH

    i. Discord

    j. Microsoft Teams

    k. VMware Horizon Client

11. Favorites

    a. System Settings

    b. Firefox

    c. Thunderbird

    d. Konsole (terminal)

    e. Dolphin (file manager)

    f. KCalc (scientific calculator)

    g. Gnote

    h. Arduino IDE

    i. Discover