Galaxia Documentation

Release 1.7.0

Galaxia Contributors

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Galaxia is a set of artwork created for the gNewSense GNU/Linux distribution. The current documentation describes the art set used in version 3 of the operating system, also known as *Parkes*.

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CHAPTER 1

Contents

1.1 License

```
Galaxia
=======

Galaxia is a set of artwork created for the gNewSense GNU/Linux
distribution and can be used under the terms of the Expat License with
the exceptions noted bellow.

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---------------------------

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Exception 2: Web Site Theme
---------------------------

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```

1.2 Contributing

Galaxia is a libre project and its source code is available in a Mercurial repository hosted in Bitbucket. Although Galaxia has several components, the process to contribute to the development of any of them is the same. Any person with an account in Bitbucket can contribute.

Basically, the process of contributing consists of submiting patches to the project:

1. Submit an issue you want to solve or comment on an existing one expressing your intention to solve it.
2. Clone the project repository.

3. Add changes to solve the issue.
4. Submit a patch to the project for revision and inclusion.

The following steps describe how to contribute a patch.

1. Report an issue to the issue tracker or comment on an existing one expressing your intention to solve it. The issue can be a bug, a proposal or a task describing in detail something that should be done to make any of the Galaxia components better.
2. The issue is discussed to make it more clear and determine if it is worth solving it.
3. If the issue is valid, clone the project source to start working on the issue.

   ```
   $ hg clone ssh://hg@bitbucket.org/sirgazil/galaxia
   ```

4. Start making changes to the source files. Should you have any question while doing this, ask in the page of the issue you are solving.
5. Once you are done with your changes, be sure to update the following files as well when applicable:
   - `docs`
   - `AUTHORS`
   - `COPYING`
   - `NOTES`
   - `README.text`
6. Add to version control any new files you created:

   ```
   $ hg add
   ```

7. Create the patch. The file name should match the ID number of the issue you are solving:

   ```
   $ hg diff > 1234.diff
   ```

8. Attach the patch to the page of the issue for review.

1.3 Branding

1.4 Promotional art

1.4.1 Images

These are images that can be posted on blogs and other Web sites to help promote gNewSense. They could be linked to the *Release page* provided by Galaxia.

1.4.2 Download buttons

Right click on the button image you want to use and select “Save image as...”.

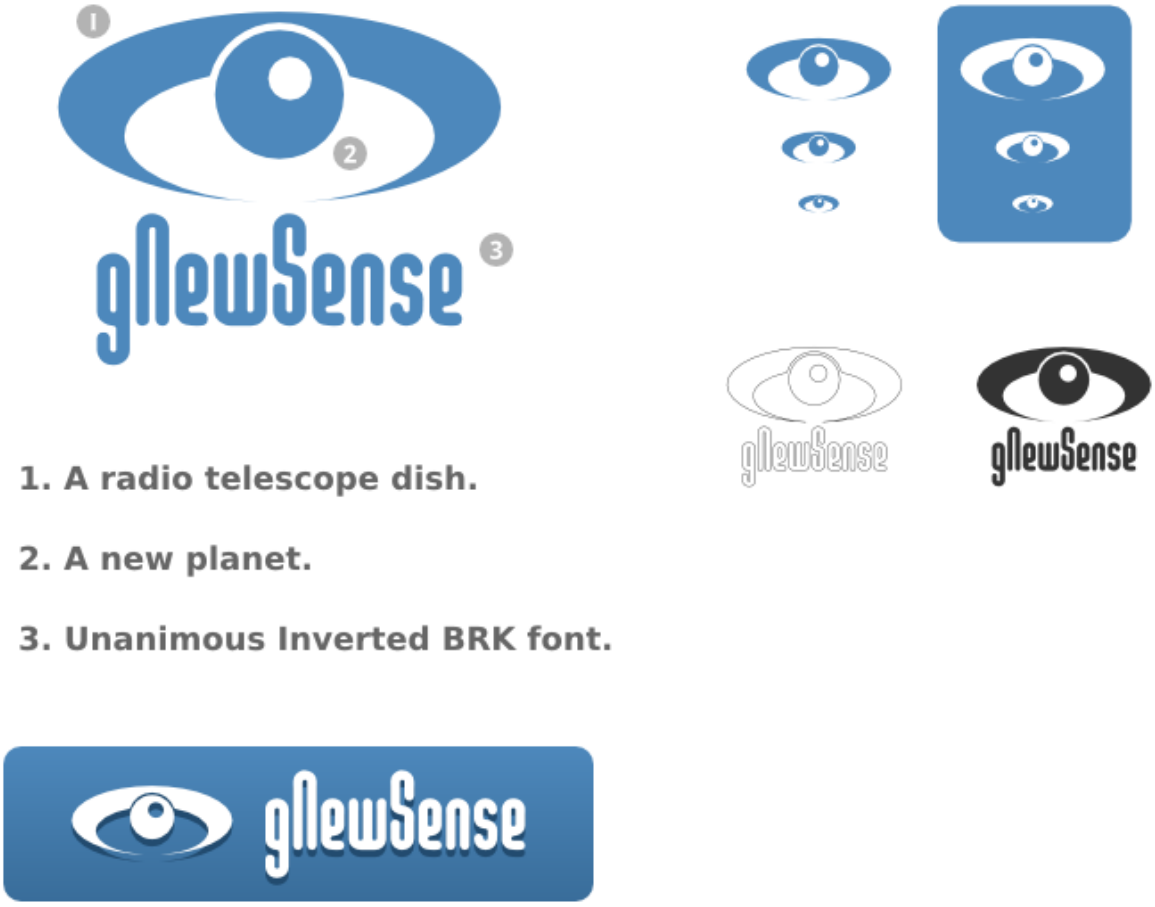

Figure 1.1: gNewSense logo description

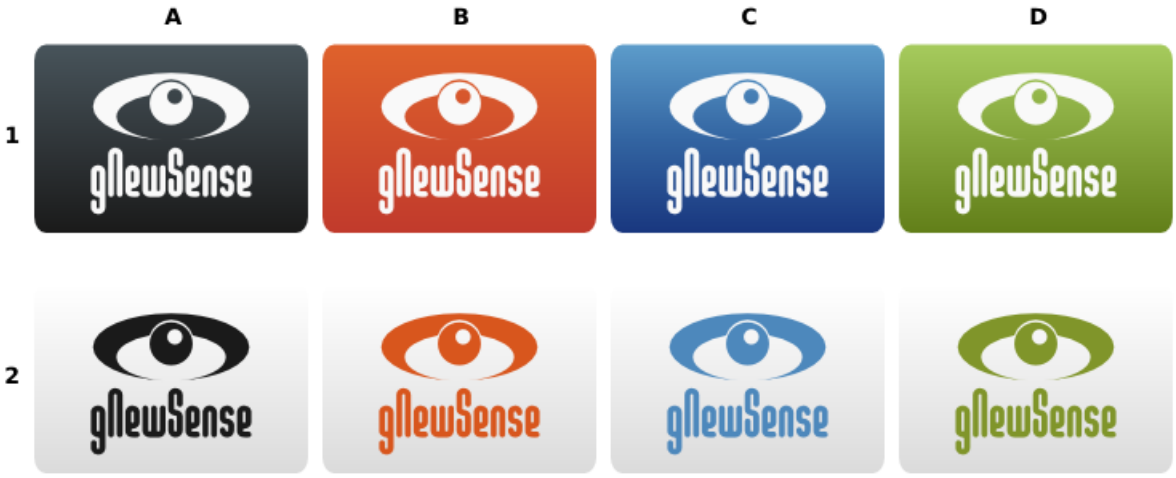

Figure 1.2: gNewSense logo with foreground and background color variations

Figure 1.3: You're the pilot! II

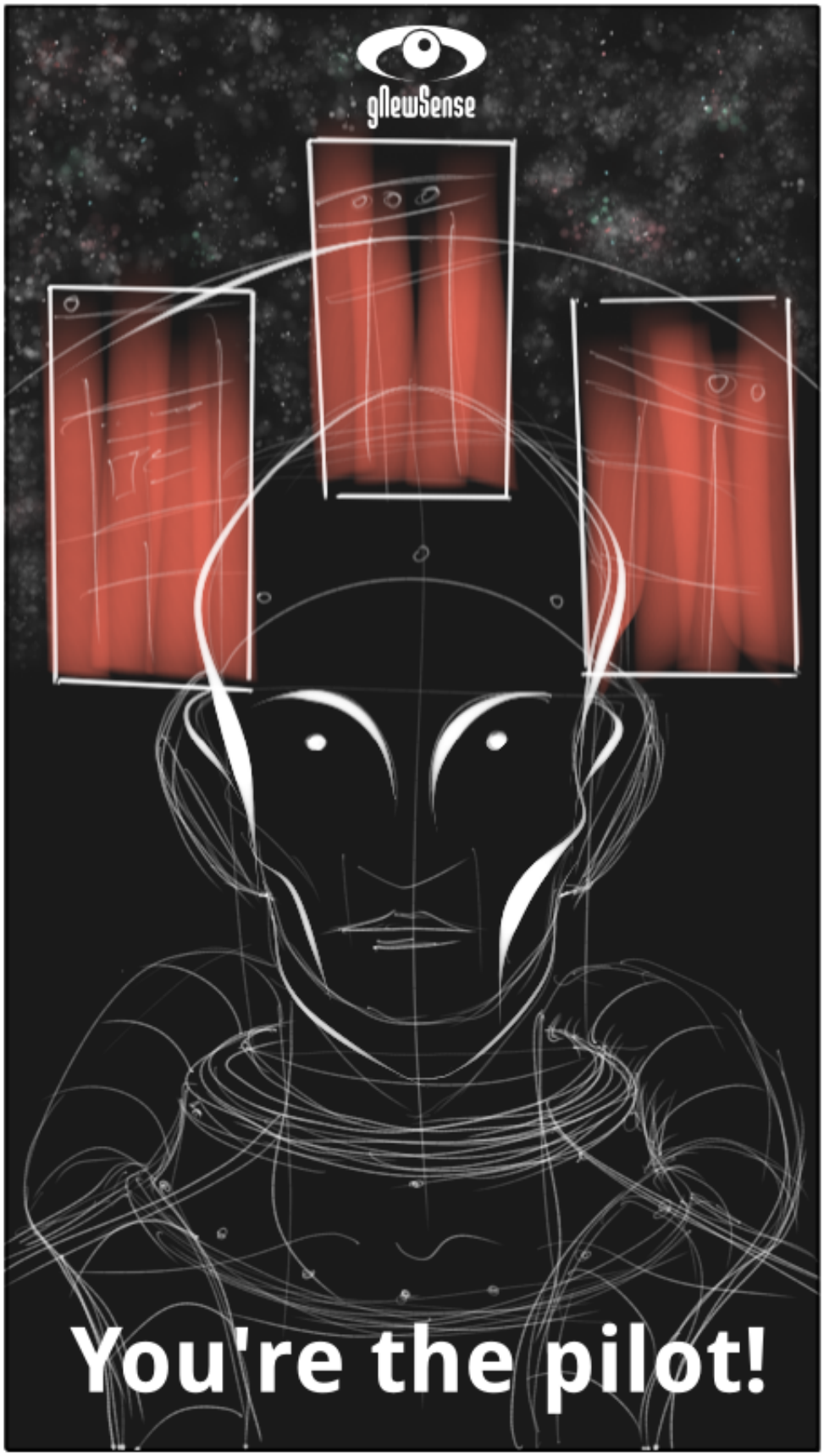

Figure 1.4: You're the pilot! I

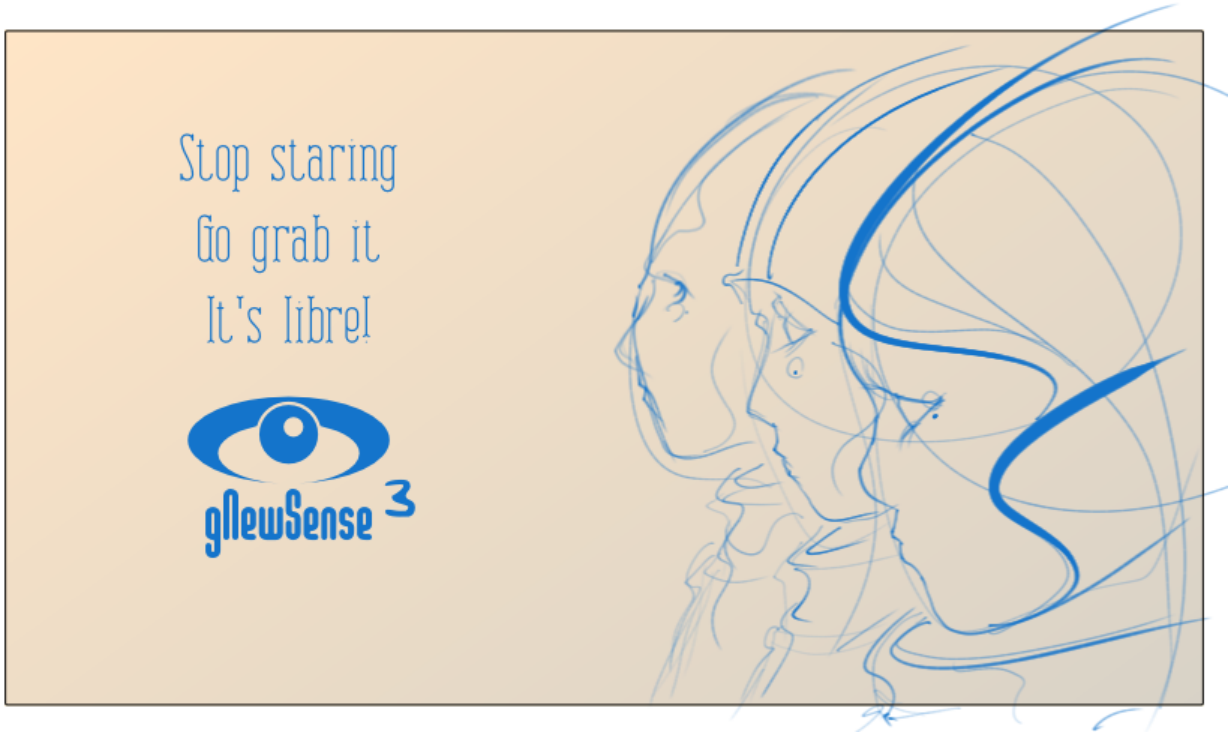

Figure 1.5: Stop staring, go grab it, it's libre!

1.4.3 Release page

Galaxia includes a single, static HTML page that can be used as a landing page with information about gNewSense release. It's located in `galaxia/promotional/release-page` directory and can be installed in any Web server.

1.5 Web site theme

Galaxia provides a theme for MoinMoin wiki engine intended to be used in gNewSense official Web site. This theme is based on the default "modern" theme distributed with MoinMoin 1.9.x, but adds the following features:

1. **Custom navigation bar:** adds links to the main sections of the Web site.
2. **Breadcrumbs:** shows your current location in the Web site's page hierarchy.
3. **Translations widget:** lists translations for the current page. The list of languages available are the same languages supported by MoinMoin.
4. **Custom footer:** adds information about gNewSense and license of the text and media in the Web site.

1.5.1 Installation

This theme is being tested with the quick, or desktop, installation provided by MoinMoin 1.9.x. The following steps are for installing the theme in such a configuration. Note that these steps assume you have a copy of Galaxia in which you'll find the `website-theme` directory with the appropriate files.

1. Download MoinMoin 1.9.x.

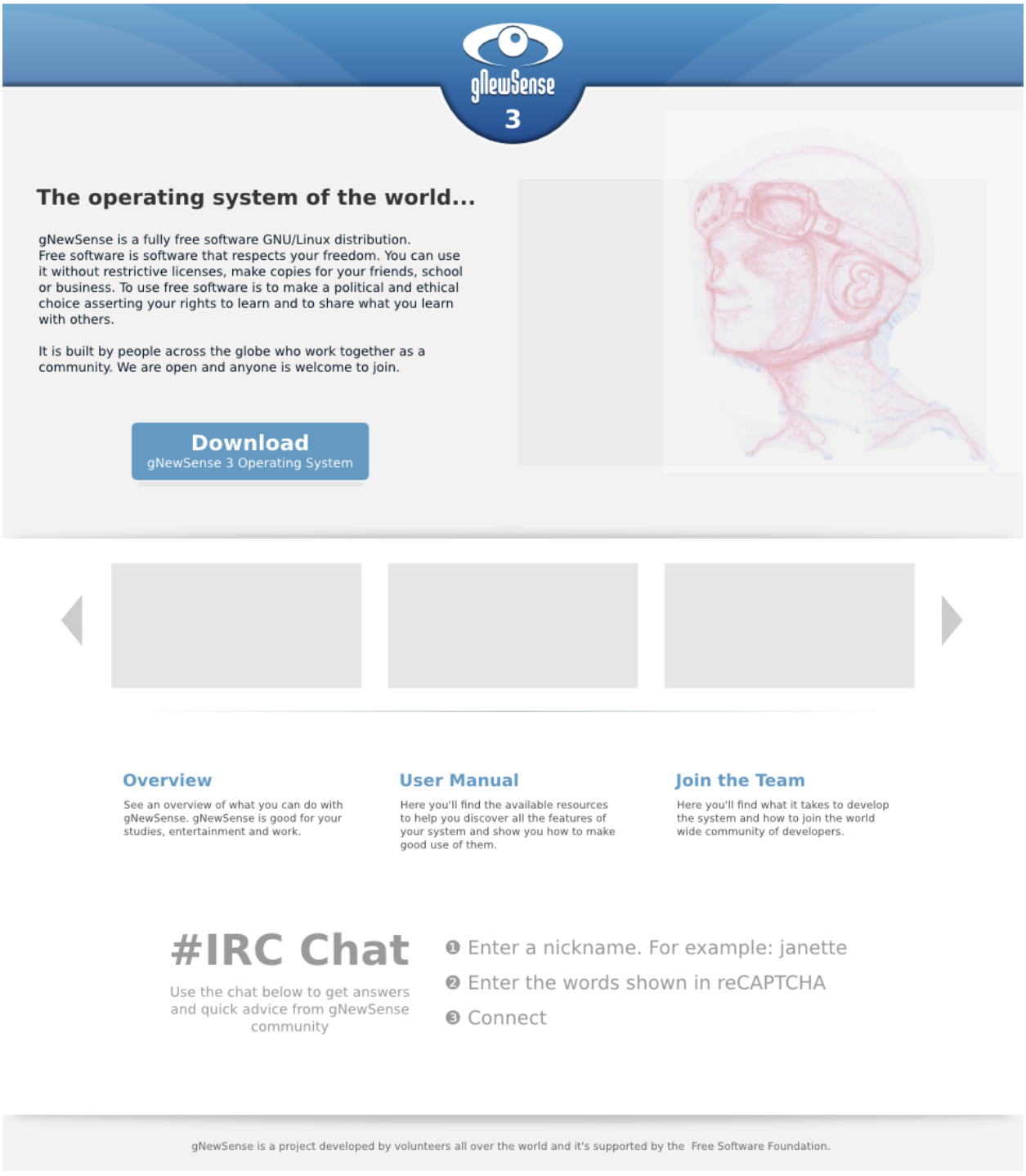

Figure 1.6: Release page mock-up

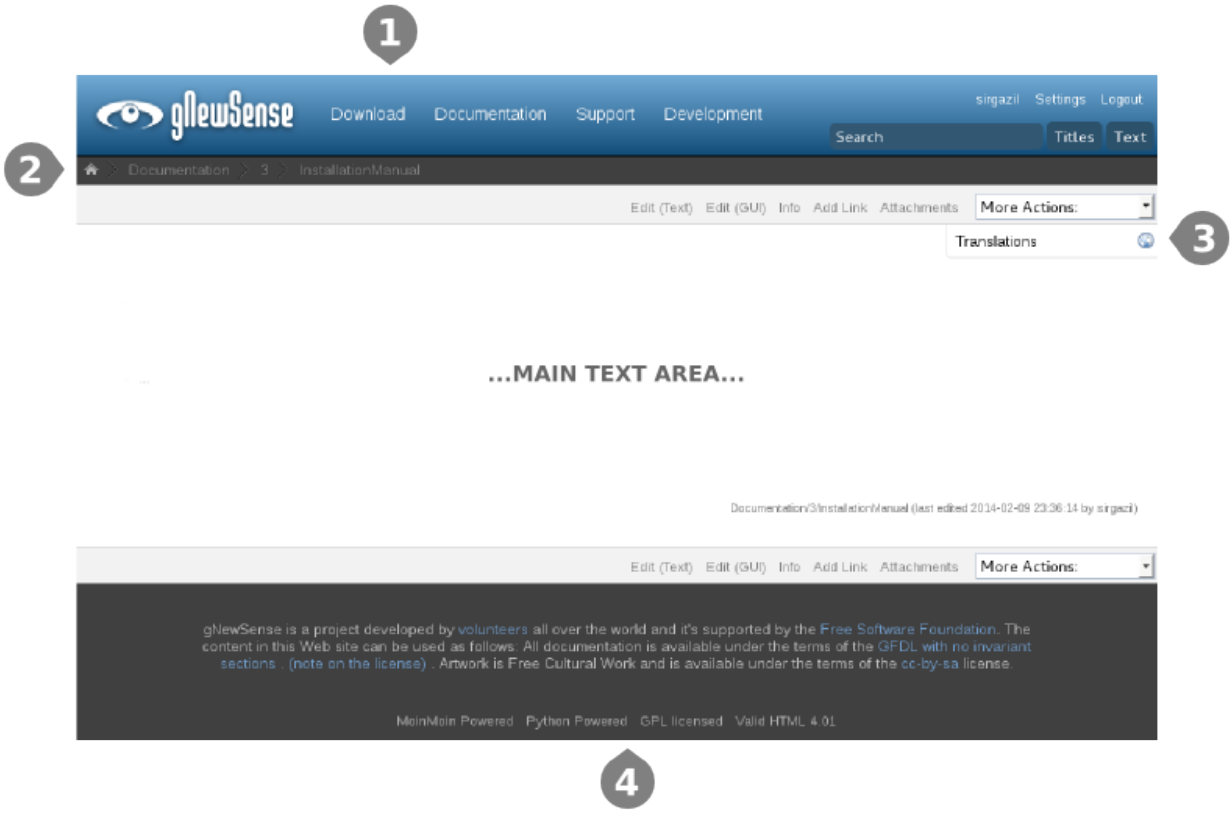

Figure 1.7: Web site theme anatomy

2. Put `galaxia/website-theme/galaxia.py` file in the `moin-1.9.x/wiki/data/plugin/theme` directory.
3. Put `galaxia/website-theme/galaxia` directory in `moin-1.9.x/MoinMoin/web/static/htdocs`.
4. Modify `moin-1.9.x/wikiconfig.py` file to assign the gNewSense logo to the `logo_string` variable:

```
logo_string = u'<img src="%s/galaxia/img/gnewsense.png" alt="gNewSense">' % url_prefix_stati
```

5. Add the following variable to `LocalConfig` class in `moin-1.9.x/wikiconfig.py` file. The `language_default` variable is used by the *Translations widget*.

```
# Language configuration
language_default = 'en'
```

6. Run `moin-1.9.x/wikiserver.py`.
7. Open your browser and go to http://localhost:8080/.
8. Create a user by clicking on "Login".
9. Login as the user you created and select galaxia theme from your user preferences.

1.5.2 Enabling MoinMoin navigation bar

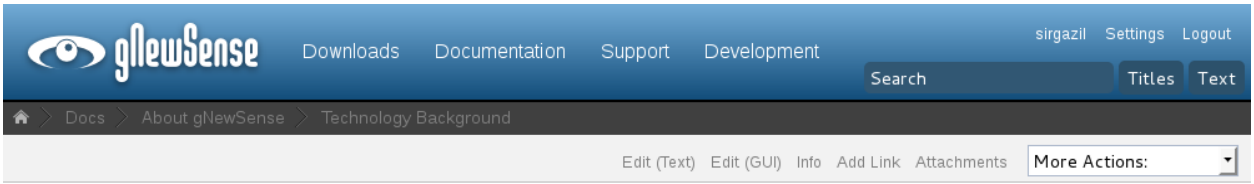

Figure 1.8: Wiki header without bookmarks

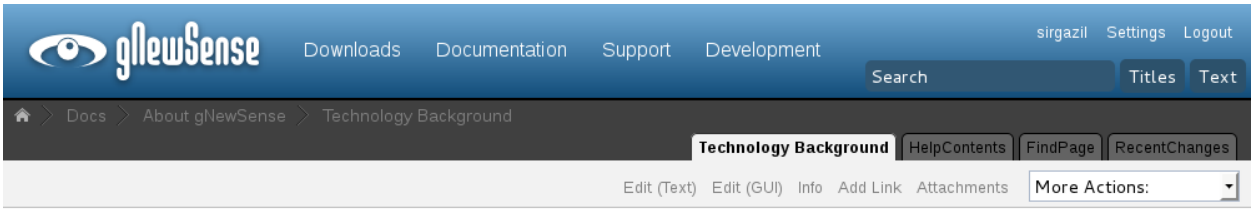

Figure 1.9: Wiki header with bookmarks

Galaxia theme doesn't use MoinMoin Navigation bar by default, but you can still enable it.

1. Open `galaxia/website-theme/galaxia.py`.
2. Look for the `def header(self, d, **kw)` method and uncomment the line `#self.navibar()` by removing the `#` character.
3. Save the file and restart MoinMoin to see the changes.

1.5.3 Translating the theme

The Web site theme adds some text that doesn't have translations in the translations catalogs provided by MoinMoin. This means that the text in the *Custom navigation bar* and the title of the *Translations widget* will display in English

only. To be able to see these additional texts in any of the languages supported by MoinMoin, you can use page dictionaries.

For example, if you want to translate the theme into Spanish, create a page called `SpanishDict` and add the following dictionary to it:

```
Development:: Desarrollo
Documentation:: Documentación
Download:: Descargar
Home:: Inicio
Support:: Ayuda
Translations:: Traducciones
```

Read MoinMoin's Help on dictionaries for more information.

1.5.4 Adding more languages to the translations widget

By default, the languages listed in the *Translations widget* are the same languages supported by MoinMoin. To add a new language to the list, you can add a new translation catalog to `MoinMoin/i18n`, either in your local installation of MoinMoin or, better yet, in the MoinMoin project.

1.6 Mailman theme

gNewSense mailing lists are hosted in Savannah and use Mailman, the GNU mailing list manager.

The default Web pages of mailing lists don't provide a link to the project Web site, which doesn't make it easy for users to go back to gNewSense home page.

Savannah allows basic HTML customization for Mailman pages. This theme provides custom pages with navigation to gNewSense home page.

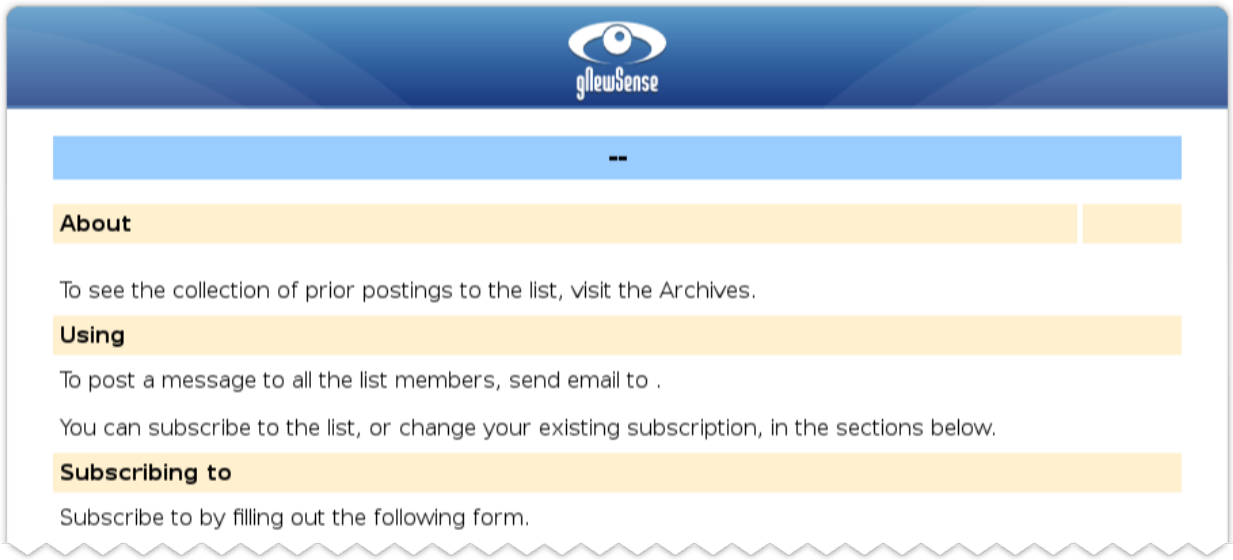

Figure 1.10: Mailman theme with custom header linking to gNewSense home

1.6.1 Installation

To install this theme you need admin access to the gNewSense project in Savannah.

1. Go to http://savannah.nongnu.org/projects/gnewsense
2. Mailing lists → Browse
3. **For each mailing list:**
    (a) Login to the administrative interface.
    (b) In *Other Administrative Activities* select *Edit the public HTML pages* and text files.
    (c) Replace info page and subscribe results page HTML with the HTML provided by this theme.

1.7 Installer theme

1.7.1 Splash image

A splash image for the operating system installer is available in `galaxia/installer-theme`.

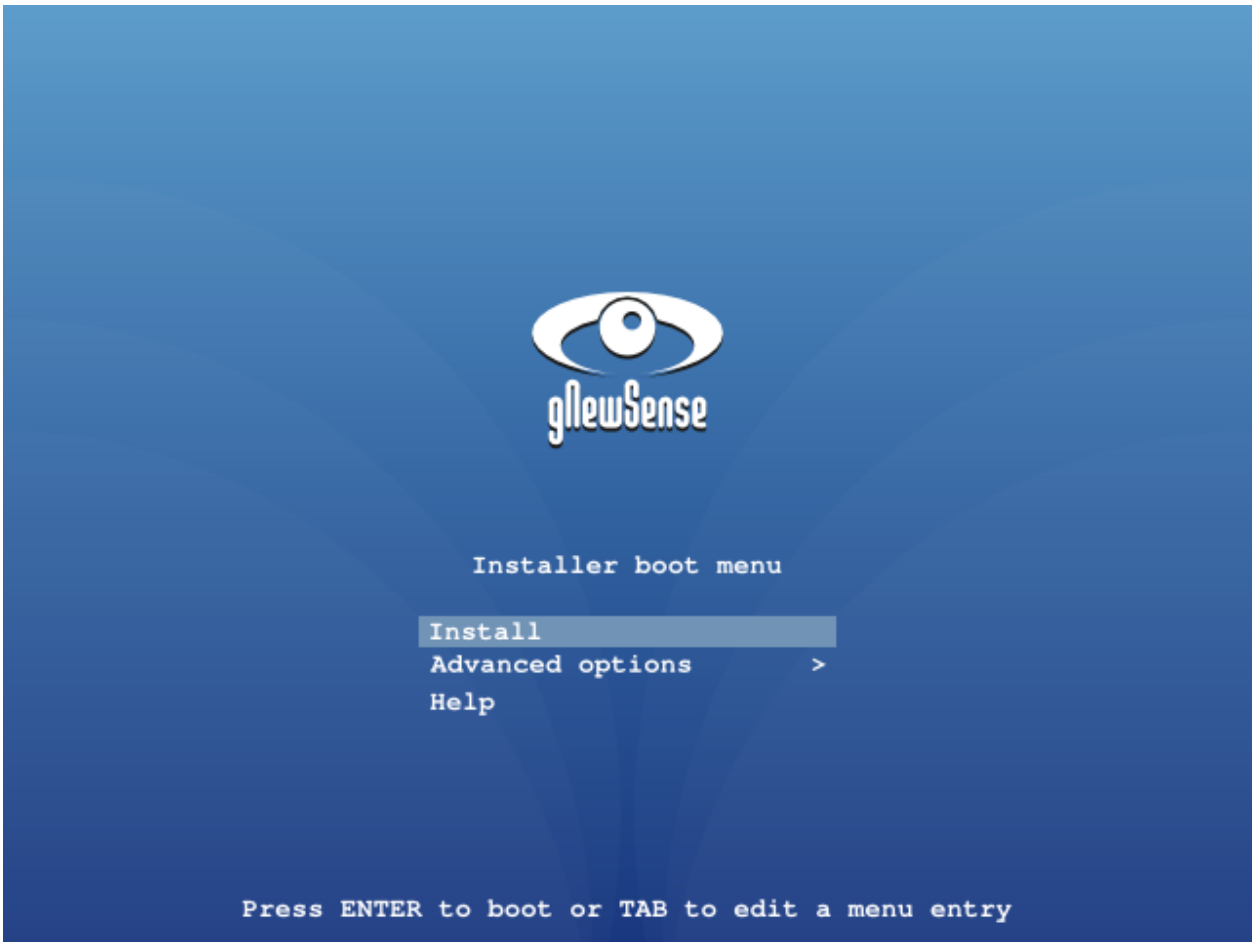

Figure 1.11: Installer main menu

1.7.2 Banner image

A banner image for the operating system GUI installer is available in `galaxia/installer-theme`.

Figure 1.12: GUI installer

1.8 GRUB theme

Splash images for GRUB legacy are available in `galaxia/grub-splash` and can be installed in `/usr/share/images/desktop-base`, in the file system.

GRUB settings need to be updated so that `color_normal` and `color_highlight` in `/boot/grub/grub.cfg` are updated as follows:

```
### BEGIN /etc/grub.d/05_debian_theme ###
insmod part_msdos
insmod ext2
set root='(hd0,msdos1)'
search --no-floppy --fs-uuid --set 4141342e-7cff-4c36-883f-a10b375d0e7f
insmod png
if background_image /usr/share/images/desktop-base/galaxia-blue-grub.png; then
  set color_normal=white/black
```

Figure 1.13: GRUB menu splash image

```
  set color_highlight=yellow/black
else
  set menu_color_normal=white/blue
  set menu_color_highlight=yellow/blue
fi
### END /etc/grub.d/05_debian_theme ###
```

1.9 Desktop themes

Galaxia includes themes for the GNOME 2 Desktop Environment. They are found in `galaxia/desktop-theme` directory and can be installed in `/usr/share/themes`, in the file system.

After they are in place, an end user can select them from *System* → *Preferences* → *Appearance*.

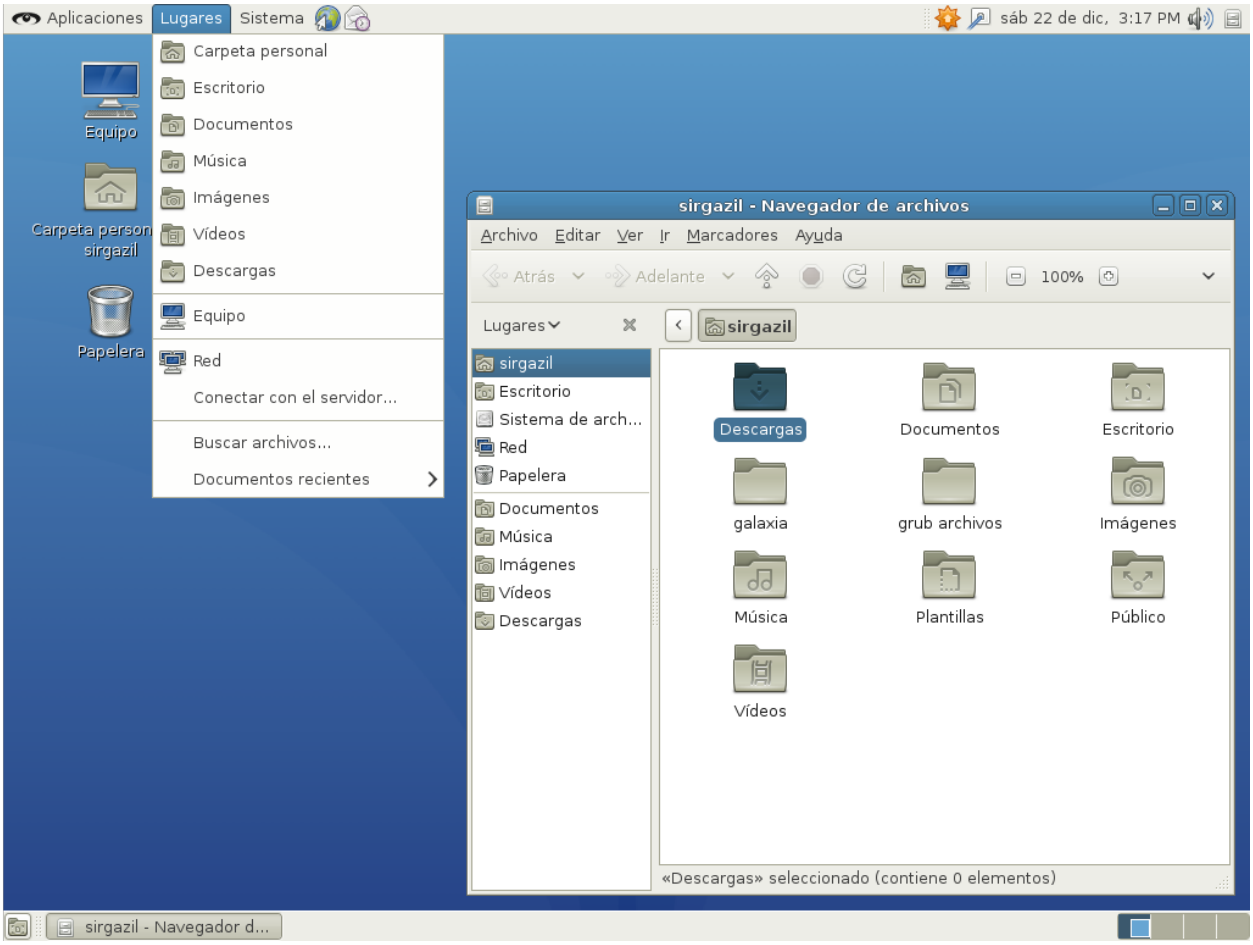

Figure 1.14: Galaxia blue desktop theme

1.9.1 Icon theme

Two icon themes are provided: galaxia and galaxia-light. The former is a dark theme for light desktops; the latter is a light theme for dark desktops.

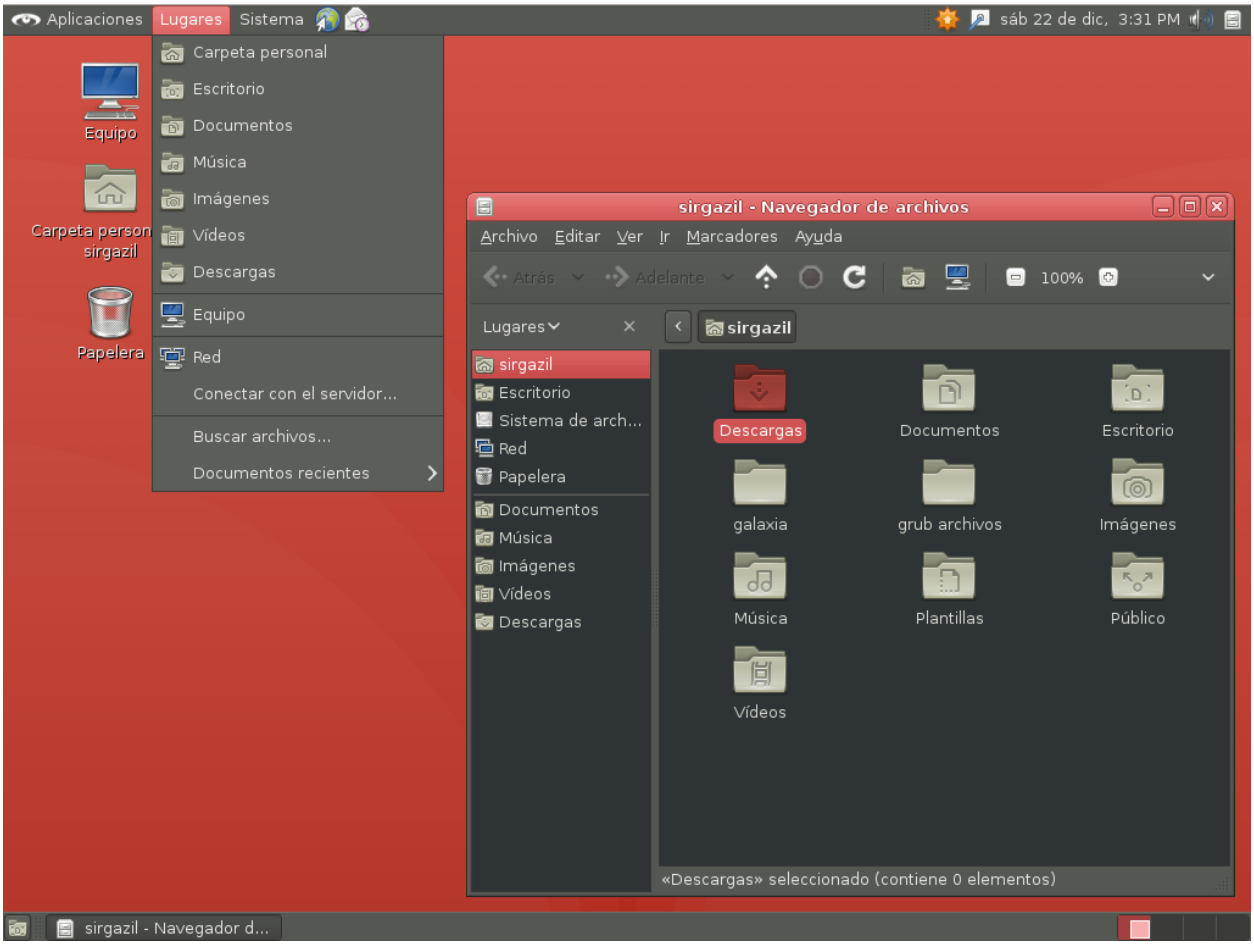

Figure 1.15: Galaxia pink dark desktop theme

None of the icon themes provided is a completly new theme. They inherit almost all icons from the default gnome icon theme, except the branding, which is replaced for gNewSense's.

Icon themes are found in `galaxia/icon-theme` and can be installed in `/usr/share/icons`, in the file system.

Note that the desktop themes distributed with Galaxia depend on these icon themes. This means both icon themes must be installed for the desktop themes to work correctly.

1.9.2 Backgrounds

Desktop backgrounds or wallpapers are found in `galaxia/backgrounds` and can be installed in `/usr/share/backgrounds`, in the file system.

End users of the system should be able to select any of these backgrounds using the *Background tab* located in *System → Preferences → Appearance*.

1.9.3 GDM3 theme

A GDM3 theme is available in `galaxia/gdm3-theme` to overwrite Debian defaults. To use it:

1. Create a `galaxia` directory in `/usr/share/backgrounds`.
2. Copy the SVG backgrounds in `galaxia/gdm3-theme` to the directory created above.
3. Copy `galaxia/gdm3-theme/gnewsense.svg` to `/usr/share/pixmaps`.
4. Copy the `galaxia/gdm3-theme/greeter.gconf-defaults` to `/etc/gdm3`. This will replace Debian's.

Changes will be visible after restarting the system.

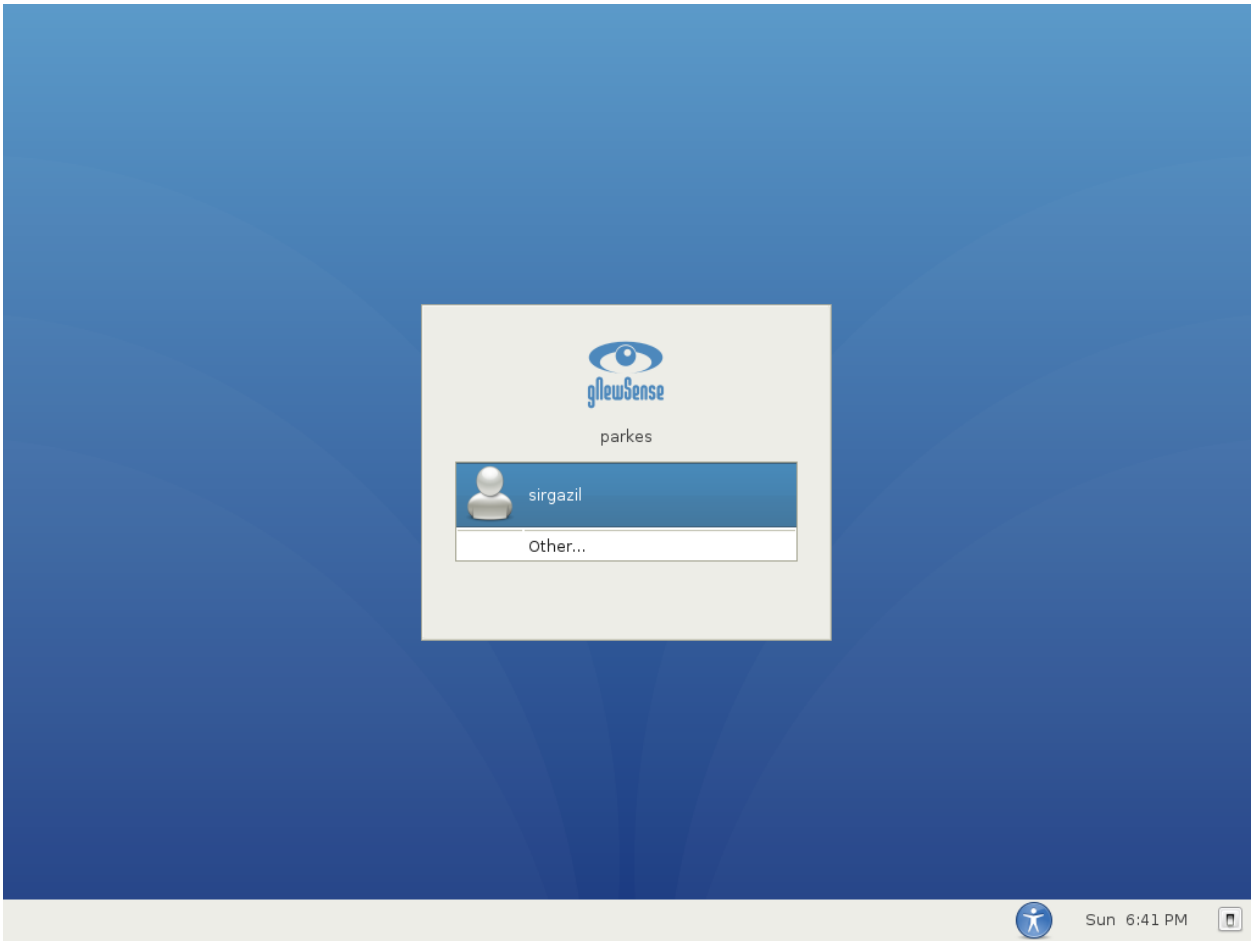

Figure 1.16: Galaxia GDM3 theme