

Android Core – Data Downloader – Customize Layouts

In order to customize the installer's layouts, add your modifications in your project's **res** folder and place the in **res/drawable** and **res/values**.

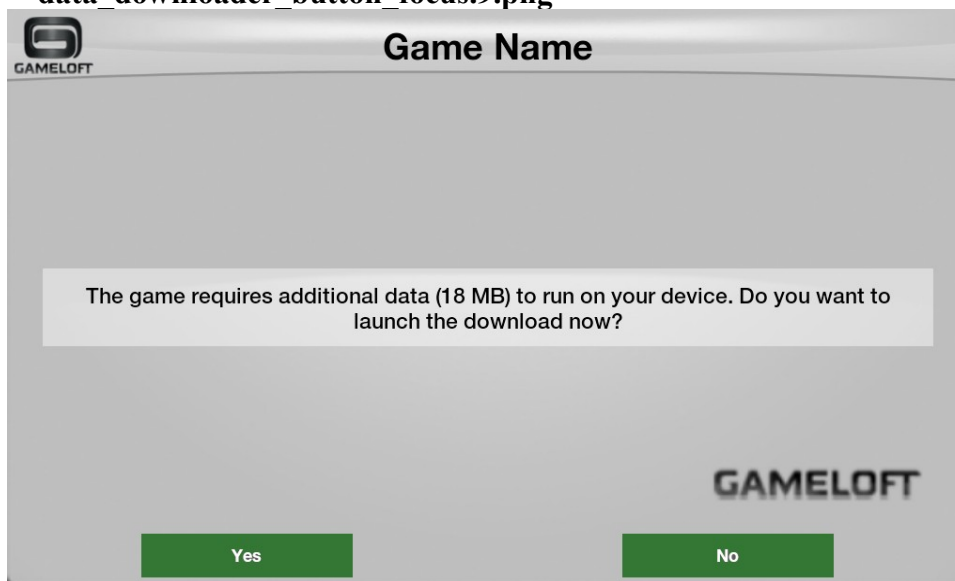
There are several ways of customizing the data downloader's layouts:

Override the graphic elements that you want to customize.

- Place the **background image** you want to use in *res/drawable* and rename it to: **data_downloader_background.9.png**



- Place the **buttons images** you want to use in *res/drawable*:
 - for the normal state of the button, rename it to: **data_downloader_button_normal.9.png**
 - for the pressed state of the button, rename it to: **data_downloader_button_pressed.9.png**
 - for the focused state of the button, rename it to: **data_downloader_button_focus.9.png**



- Place the title background bar your want to use in *res/drawable* and rename it to

data_downloader_title_background.9.png



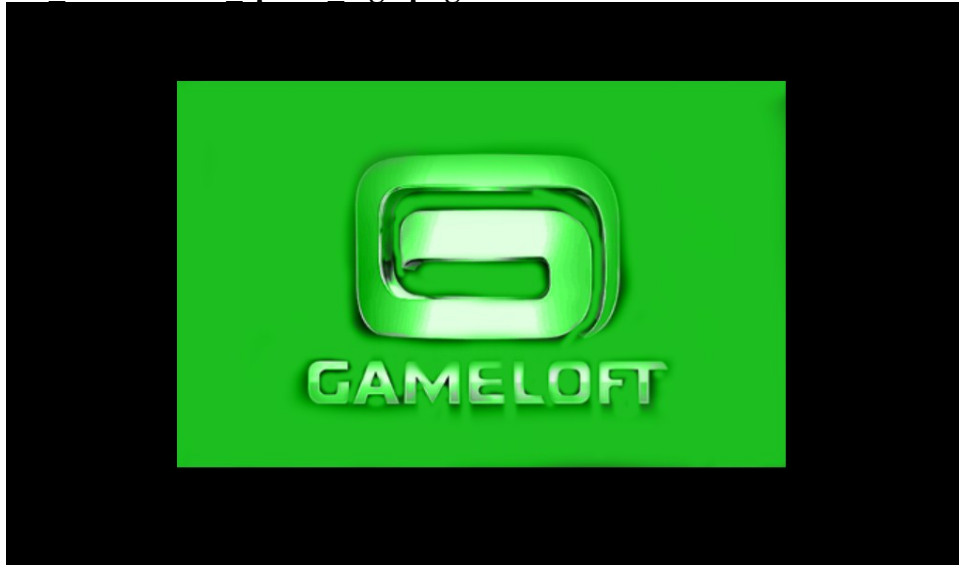
- Place the progress bar images you want to use in res/drawable:
 - the foreground part of the progress bar has to be renamed to **progress_foreground.png**



- the background part of the progress bar has to be renamed to **progress_background.png**



- Place the **image of the splash screen** you want to use in *res/drawable* and rename it to **data_downloader_splash_logo.png**



- *Note: Read the article about [Draw-9-Patch](#) on how to customize scalable drawable images. You can also have different images for different screen sizes. Read more about this on [Supporting Multiple Screens](#). Also if you need different resources for different locales read the article [Using Resources for Localization](#).*

Override the configuration file

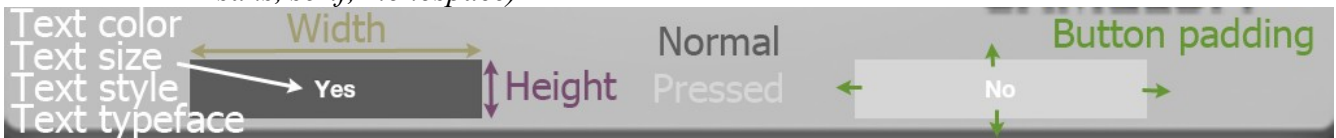
Override the configuration file found in the package under *res_apk/installer/res/values/data_downloader_dimensions.xml* by copying it to your project's *res/values* without changing its name. In this file you will be able to modify the following values:

- For the title bar:
 - **Height:** `data_downloader_title_height`
 - **Text size:** `data_downloader_title_text_size`
 - **Text color:** `data_downloader_title_text_color`
 - **Logo padding top:** `data_downloader_title_logo_paddingTop`
 - **Logo padding bottom:** `data_downloader_title_logo_paddingBottom`
 - **Logo padding left:** `data_downloader_title_logo_paddingLeft`
 - **Logo padding right:** `data_downloader_title_logo_paddingRight`
 - **Text style:** `data_downloader_title_text_default_style` → `textStyle` (*normal, bold, italic*)
 - **Text typeface:** `data_downloader_title_text_default_style` → `typeface` (*normal, sans, serif, monospace*)

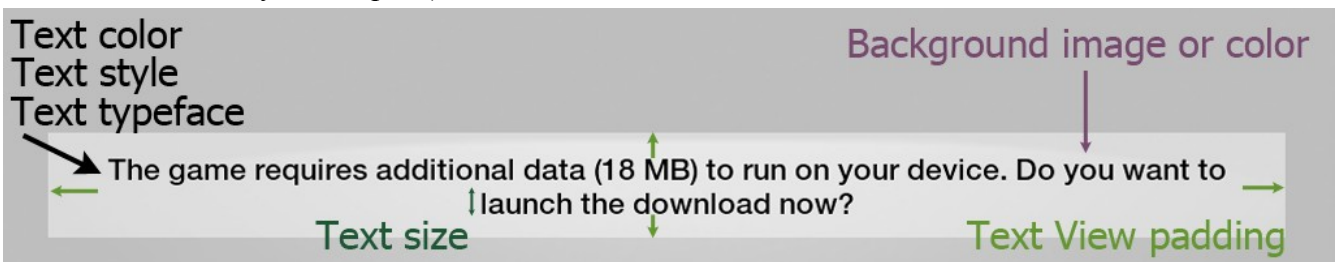


- For the buttons:
 - **Height:** `data_downloader_button_height`
 - **Width:** `data_downloader_button_width`
 - **Text size:** `data_downloader_button_text_size`
 - **Text color:** `data_downloader_button_text_color`
 - **Button padding left:** `data_downloader_button_padding_left`

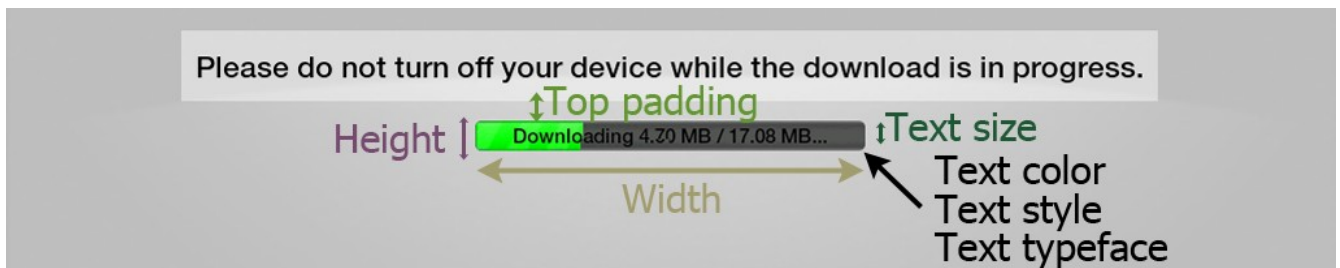
- **Button padding right:** data_downloader_button_padding_right
- **Button padding top:** data_downloader_button_padding_top
- **Button padding bottom:** data_downloader_button_padding_bottom
- **Text style:** data_downloader_button_text_default_style → textStyle (*normal, bold, italic*)
- **Text typeface:** data_downloader_button_text_default_style → typeface (*normal, sans, serif, monospace*)



- For the main text:
 - **Text size:** data_downloader_button_text_size
 - **Text color:** data_downloader_button_text_color
 - **Text View padding left:** data_downloader_main_text_padding_left
 - **Text View padding right:** data_downloader_main_text_padding_right
 - **Text View padding top:** data_downloader_main_text_padding_top
 - **Text View padding bottom:** data_downloader_main_text_padding_bottom
 - **Background image or color:** data_downloader_main_text_image_color → background (ex: #AARRGGBB or @drawable/image_name)
 - **Text style:** data_downloader_main_text_image_color → textStyle (*normal, bold, italic*)
 - **Text typeface:** data_downloader_main_text_image_color → typeface (*normal, sans, serif, monospace*)



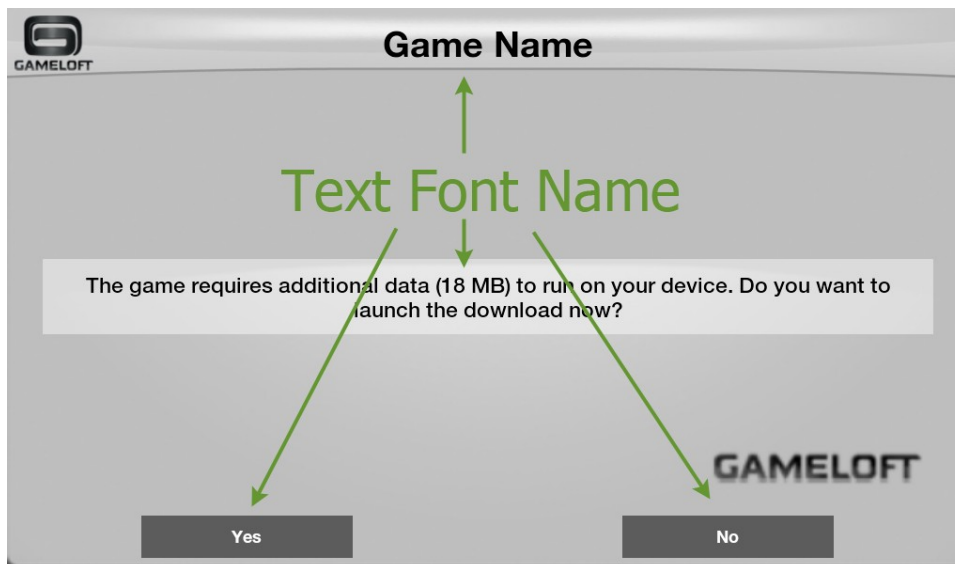
- For the progress bar:
 - **Height:** data_downloader_horizontal_progressbar_height
 - **Width:** data_downloader_horizontal_progressbar_width
 - **Text size:** data_downloader_progress_text_size
 - **Text color:** data_downloader_progress_text_color
 - **Text style:** data_downloader_progress_text_extra_style → textStyle (*normal, bold, italic*)
 - **Text typeface:** data_downloader_progress_text_extra_style → typeface (*normal, sans, serif, monospace*)
 - **Top padding:** data_downloader_progress_bar_padding_top



- For the splash image:
 - **Background color:** `gi_gameloft_logo_background_color`

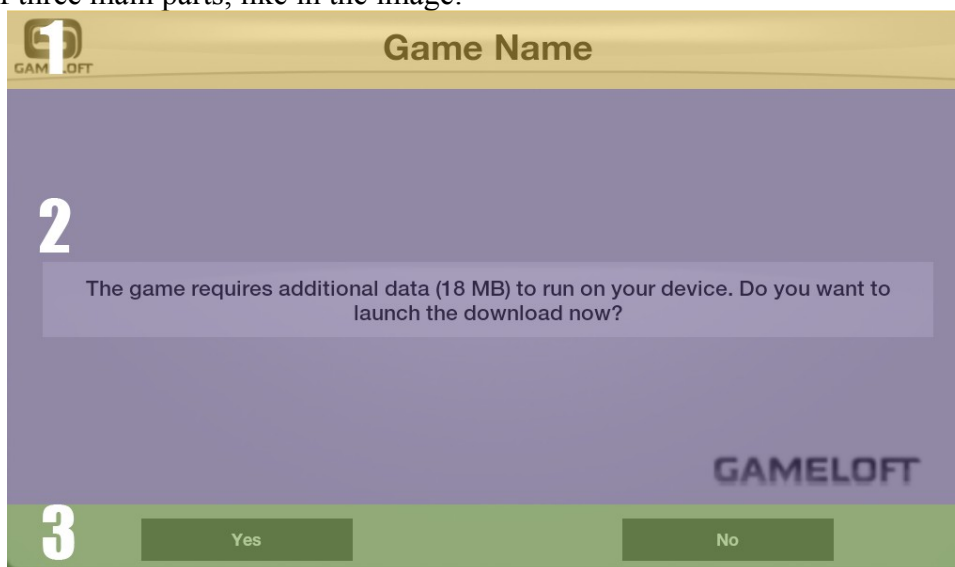


- The font used for all the elements:
 - **Name:** `data_downloader_custom_font_name` (ex: font.ttf)
 - Place the font in your project's *assets* folder
 - The font must be in **TTF** format



Override the style file

If you want to modify more using the same elements, you can do this by overriding the **data_downloader_layout_values.xml**. It can be found in `res_apk/installer/res/values/`. Copy it and place it in your project's `res/values` with the same name. In this file you can modify the styles of each element of the layouts used by the data downloader, formally known as installer. Each layout (the one with the buttons, the one with a progress bar and the one with a horizontal progress bar) is composed of three main parts, like in the image:



The majority of the elements are inside `RelativeLayout`s so you can easily modify the elements location by modifying or adding values for:

- `android:layout_centerVertical`
- `android:layout_centerHorizontal`
- `android:layout_alignParentLeft`
- `android:layout_alignParentRight`
- `android:layout_alignParentTop`
- `android:layout_alignParentBottom`
- `android:layout_below`
- `android:layout_above`

Note: To have a better view of how you should apply the changes check the [RelativeLayout](#) page on Android Developers and [Styles and Themes](#)

Override the layouts

The last way to have a fully custom layouts system for the data downloader is to override the following files in `/res/layouts`:

- **data_downloader_progressbar_layout.xml**: layout with 3 buttons and a indefinite progress bar
You must **keep** the ids for the following elements:
 - data_downloader_main_text
 - data_downloader_progress_bar
 - data_downloader_yes
 - data_downloader_no
 - data_downloader_cancel
- **data_downloader_linear_progressbar_layout.xml**: layout with 3 buttons, a horizontal progress bar and a webview
You must **keep** the ids for the following elements:
 - data_downloader_main_text
 - data_downloader_linear_progress_bar
 - data_downloader_webview
 - data_downloader_yes
 - data_downloader_no
 - data_downloader_cancel
- **data_downloader_buttons_layout.xml**: the message layout with 3 buttons
You must **keep** the ids for the following elements:
 - data_downloader_main_text
 - data_downloader_yes
 - data_downloader_no
 - data_downloader_cancel
- **gi_layout_download_toast_message.xml**: the toast message layout
You must keep the ids for the following elements:
 - data_downloader_toast_title
 - data_downloader_toast_message
- **gi_layout_logo.xml**: the splash screen layout
- **title_layout.xml**: the title bar layout

Contact

Christian Alexandru Tatu

christianalexandru.tatu@gameloft.com