GNOME

GNOME Builder Snap

李彬 (binli@gnome.org)
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Builder?

- GNOME 集成开发环境

- GNOME 平台上第一个众筹项目， Christian Hurgert

Builder, An IDE of our GNOME

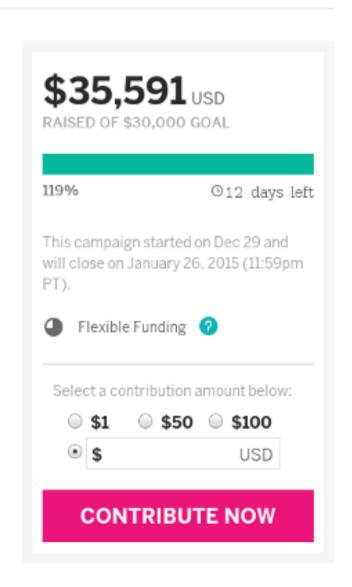Story | **Updates** 4 | Comments 28 | Funders 366

7 days ago

We did it!

Thank you all so much for your donations. I can barely even write this right now because I'm shaking. We can now start thinking about the stretch goals. The next up is Milestone 4!

It's time to start telling me what you really want to see after the core plumbing is in place (send me an email if you like). That might help me adjust stretch goals based on what is the most desirable.

With that said, we have been adding some more generic features (such as improved Python and HTML support) in the recent week since there were copious requests for it.

I'm here to write software for you, thanks for that!

Christian Hergert

$35,591 USD

RAISED OF $30,000 GOAL

119%   ⏱12 days left

This campaign started on Dec 29 and will close on January 26, 2015 (11:59pm PT).

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⦿ $ USD

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```
85  static guint gSignals [LAST_SIGNAL];                      45  /*< private
86                                                             46  GbEditorDoc
87  GbEditorDocument *                          🔍 get_error    0 of 6  ∧  ∨   47  };
88  gb_editor_document_new (void)                              48
89  {                                                          49  struct _GbEdi
90    return g_object_new (GB_TYPE_EDITOR_DOCUMENT, NULL);     50  {
91  }                                                          51    GtkSourceBu
92                                            🔍              52
93  /**                                                        53    void (*curs
94   * gb_editor_document_ get_error:         gb-editor-document.h   54    void (*file
95   *                                        gb-editor-document.c   55
96   * Fetches the most recent error for the #GbEditorDocument instance. If no   56  };
97   * error has been registered, %NULL is returned.           57
98   *                                                         58  GbEditorDocum                    oid);
99   * Returns: (transfer none): A #GError or %NULL.           59  GType                            oid) G_GNUC_CONST;
100  */                                                        60  GtkSourceFile                   bEditorDocument    *
101 const GError *                                             61  void              gb_editor_document_set_file    GtkSourceFile   *f
102 gb_editor_document_ get_error (GbEditorDocument *document)  62
103 {                                                          63  gdouble                         gb_editor_document_get_progress        (GbEditorDocument   *
104   g_return_val_if_fail (GB_IS_EDITOR_DOCUMENT (document), NULL);   64  GbSourceChangeMonitor *gb_editor_document_get_change_monitor  (GbEditorDocument   *
105                                                            65  GbSourceCodeAssistant *gb_editor_document_get_code_assistant  (GbEditorDocument   *
106   return document->priv->error;                           66  gboolean              gb_editor_document_get_read_only        (GbEditorDocument   *
107 }                                                          67  gboolean              gb_editor_document_get_file_changed_on_volume (GbEditorDocument   *
108                                                            68  gboolean              gb_editor_document_get_trim_trailing_whitespace (GbEditorDocument  *
109 static void                                                69  void                  gb_editor_document_set_trim_trailing_whitespace (GbEditorDocument  *
110 gb_editor_document_set_error (GbEditorDocument *document,   70                                        gboolean          t
111                              const GError     *error)       71  void                  gb_editor_document_load_async          (GbEditorDocument   *
112 {                                                          72                                        GFile             *f
113   g_return_if_fail (GB_IS_EDITOR_DOCUMENT (document));     73                                        GCancellable
114                                                            74                                        GAsyncReadyCallback
115   if (error != document->priv->error)                     75                                        gpointer
116     {                                                      76  gboolean              gb_editor_document_load_finish         (GbEditorDocument   *
117       g_clear_error (&document->priv->error);             77                                        GAsyncResult
118       document->priv->error = g_error_copy (error);       78
119       g_object_notify_by_pspec (G_OBJECT (document), gParamSpecs [PROP_ERROR]);   79  void                  gb_editor_document_save_async          (GbEditorDocument   *
120     }                                                     80                                        GCancellable
121 }                                                          81                                        GAsyncReadyCallback
122                                                            82                                        gpointer
123 gboolean                                                   83  gboolean              gb_editor_document_save_finish         (GbEditorDocument   *
124 gb_editor_document_get_read_only (GbEditorDocument *document)   84                                        GAsyncResult
125 {                                                          85                                        GError
126   g_return_val_if_fail (GB_IS_EDITOR_DOCUMENT (document), FALSE);   86  void                  gb_editor_document_reformat            (GbEditorDocument   *
127                                                            87  void                  gb_editor_document_check_externally_modified (GbEditorDocument  *
128   return document->priv->read_only;                       88  void                  gb_editor_document_reload              (GbEditorDocument   *
129 }                                                          89  const GError          *gb_editor_document_get_error         (GbEditorDocument
130                                                            90
131 static void                                                91  G_END_DECLS
132 gb_editor_document_set_read_only (GbEditorDocument *document,   92
133                                  gboolean          read_only)   93  #endif /* GB_EDITOR_DOCUMENT_H */
134 {                                          Line 101, Column 14                                  Line 1, Column 1
```

特性

- 项目管理，全局搜索，集成 UI 设计工具
- 帮助文档，自动补全，自动缩进
- API 快速查询，图形化调试
- 单元测试，版本控制
- GNOME Shell 扩展
- ....

想法

- 把 gnome-builder 打成 snap 包
- 在 gnome-builder 中集成 snapcraft

SNAP for gnome-builder

- 学习 snapcraft
- gnome-builder 3.18 3.20 3.24
- 编译时库的依赖 install-via: prefix
- 运行时的环境变量
  - XDG_DATA_DIRS: $SNAP/share:$SNAP/share/glib-2.0/schemas/
- 各种 crash

Snapcraft plugin

- https://github.com/jhenstridge/gnome-builder/tree/snap-plugin
- 移植 3.25 → 3.20

参考链接与图片链接

- https://www.indiegogo.com/projects/builder-an-ide-of-our-gnome

- https://wiki.gnome.org/Apps/Builder

- http://www.gnome.org/news/2015/01/interview-with-christian-hergert-about-builder-an-ide-for-gnome-2/