LIBGVC

NAME

libgvc - Graphviz context library

SYNOPSIS

```
#include <graphviz/gvc.h>
/* set up a graphviz context */
extern GVC t *gvNEWcontext(char **info, char *user);
extern char *gvUsername(void);
/* set up a graphviz context - alternative */
       (wraps the above two functions using info built into libgvc) */
extern GVC_t *gvContext(void);
/* parse command line args - minimally argv[0] sets layout engine */
extern int gvParseArgs(GVC_t *gvc, int argc, char **argv);
extern graph_t *gvNextInputGraph(GVC_t *gvc);
/* Compute a layout using a specified engine */
extern int gvLayout(GVC_t *gvc, graph_t *g, char *engine);
/* Compute a layout using layout engine from command line args */
extern int gvLayoutJobs(GVC_t *gvc, graph_t *g);
/* Render layout into string attributes of the graph */
extern void attach_attrs(graph_t *g);
/* Parse an html string */
extern char *agstrdup_html(char *s);
extern int aghtmlstr(char *s);
/* Render layout in a specified format to an open FILE */
extern int gvRender(GVC_t *gvc, graph_t *g, char *format, FILE *out);
```

DESCRIPTION

libgvc provides a context for applications wishing to manipulate and render graphs. It provides a command line parsing, common rendering code, and a plugin mechanism for renderers.

SEE ALSO

dot(1), neato(1), libcdt(3) libgraph(3)

AUTHOR

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