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*****
35697 Mon Jan 21 16:32:31 2019
new/usr/src/cmd/beam/beam.c
10122 beam buffer over-run
*****
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19 * CDDL HEADER END
20 */

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31 */

33 /*
34  * System includes
35 */

37 #include <assert.h>
38 #include <stdio.h>
39 #include <strings.h>
40 #include <libzfs.h>
41 #include <locale.h>
42 #include <langinfo.h>
43 #include <stdlib.h>
44 #include <wchar.h>
45 #include <sys/types.h>
46 #include <sys/debug.h>
47 #include <libcmdutils.h>

49 #include "libbe.h"

51 #ifndef lint
52 #define _(x) gettext(x)
53 #else
54 #define _(x) (x)
55 #endif

57 #ifndef TEXT_DOMAIN
58 #define TEXT_DOMAIN "SYS_TEST"
59 #endif

61 #define DT_BUF_LEN (128)

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62 #define NUM_COLS (6)
63 CTASSERT(DT_BUF_LEN >= NN_NUMBUF_SZ);

65 static int be_do_activate(int argc, char **argv);
66 static int be_do_create(int argc, char **argv);
67 static int be_do_destroy(int argc, char **argv);
68 static int be_do_list(int argc, char **argv);
69 static int be_do_mount(int argc, char **argv);
70 static int be_do_unmount(int argc, char **argv);
71 static int be_do_rename(int argc, char **argv);
72 static int be_do_rollback(int argc, char **argv);
73 static void usage(void);

75 /*
76  * single column name/width output format description
77 */
78 struct col_info {
79     const char *col_name;
80     size_t width;
81 };
82 unchanged_portion_omitted

206 static void
207 init_hdr_cols(enum be_fmt be_fmt, struct hdr_info *hdr)
208 {
209     struct col_info *col = hdr->cols;
210     size_t i;

212     col[1].col_name = _("Active");
213     col[2].col_name = _("Mountpoint");
214     col[3].col_name = _("Space");
215     col[4].col_name = _("Policy");
216     col[5].col_name = _("Created");
217     col[6].col_name = NULL;

218     switch (be_fmt) {
219     case BE_FMT_ALL:
220         col[0].col_name = _("BE/Dataset/Snapshot");
221         break;
222     case BE_FMT_DATASET:
223         col[0].col_name = _("BE/Dataset");
224         break;
225     case BE_FMT_SNAPSHOT:
226         col[0].col_name = _("BE/Snapshot");
227         col[1].col_name = NULL;
228         col[2].col_name = NULL;
229         break;
230     case BE_FMT_DEFAULT:
231     default:
232         col[0].col_name = _("BE");
233     }

235     for (i = 0; i < NUM_COLS; i++) {
236         const char *name = col[i].col_name;
237         col[i].width = 0;

239         if (name != NULL) {
240             wchar_t wname[128];
241             size_t sz = mbstowcs(wname, name, sizeof (wname) /
242                 sizeof (wchar_t));
243             if (sz > 0) {
244                 int wcs = wcswidth(wname, sz);
245                 if (wcs > 0)
246                     col[i].width = wcs;
247                 else
248                     col[i].width = sz;

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249         } else {  
250             col[i].width = strlen(name);  
251         }  
252     }  
253 }  
254 }  
unchanged_portion_omitted
```