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*****
12284 Thu Jul 11 07:13:06 2019
new/usr/src/lib/libdemangle/common/rust.c
11414 Fix smatch issue in libdemangle
*****
_____unchanged_portion_omitted_____

220 static boolean_t
221 rustdem_parse_name_segment(rustdem_state_t *st, strview_t *svp, boolean_t first)
222 {
223     strview_t sv;
224     strview_t name;
225     uint64_t len;
226     size_t rem;
227     boolean_t last = B_FALSE;

229     if (st->rds_error != 0 || sv_remaining(svp) == 0)
230         return (B_FALSE);

232     sv_init_sv(&sv, svp);

234     if (!rustdem_parse_num(st, &sv, &len)) {
235         DEMDEBUG("ERROR: no leading length");
236         st->rds_error = EINVAL;
237         return (B_FALSE);
238     }

240     rem = sv_remaining(&sv);

242     if (rem < len || len == SIZE_MAX) {
242     if (rem < len || len > SIZE_MAX) {
243         st->rds_error = EINVAL;
244         return (B_FALSE);
245     }

247     /* Is this the last segment before the terminating E? */
248     if (rem == len + 1) {
249         VERIFY3U(sv_peek(&sv, -1), ==, 'E');
250         last = B_TRUE;
251     }

253     if (!first && !rustdem_add_sep(st))
254         return (B_FALSE);

256     /* Reduce length of seg to the length we parsed */
257     (void) sv_init_sv_range(&name, &sv, len);

259     DEMDEBUG("%s: segment='%.*s'", __func__, SV_PRINT(&name));

261     /*
262     * A rust hash starts with 'h', and is the last component of a name
263     * before the terminating 'E'
264     */
265     if (sv_peek(&name, 0) == 'h' && last) {
266         if (!rustdem_parse_hash(st, &name))
267             return (B_FALSE);
268         goto done;
269     }

271     while (sv_remaining(&name) > 0) {
272         switch (sv_peek(&name, 0)) {
273             case '$':
274                 if (rustdem_parse_special(st, &name))
275                     continue;
276                 break;
277             case '_':

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278         if (sv_peek(&name, 1) == '$') {
279             /*
280             * Only consume/ignore '_'. Leave
281             * $ for next round.
282             */
283             sv_consume_n(&name, 1);
284             continue;
285         }
286         break;
287     case '.':
288         /* Convert '..' to ':' */
289         if (sv_peek(&name, 1) != '.')
290             break;

292         if (!rustdem_add_sep(st))
293             return (B_FALSE);

295         sv_consume_n(&name, 2);
296         continue;
297     default:
298         break;
299     }

301     if (custr_appendc(st->rds_demangled,
302                     sv_consume_c(&name)) != 0) {
303         st->rds_error = ENOMEM;
304         return (B_FALSE);
305     }
306     }

308 done:
309     DEMDEBUG("%s: consumed '%.*s'", __func__, (int)len, svp->sv_first);
310     sv_consume_n(&sv, len);
311     sv_init_sv(svp, &sv);
312     return (B_TRUE);
313 }
_____unchanged_portion_omitted_____

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