Subject: [PATCH 1/2] src/vzlist.c: Fix "cast discards qualifiers from pointer target type" warnings
Posted by ldv on Mon, 19 Feb 2007 23:35:53 GMT
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src/vzlist.c (*_sort_fn, *_search_fn): Add const qualifier to casts from const pointer type

Signed-off-by: Dmitry V. Levin <ldv@altlinux.org>
---
 src/vzlist.c | 20 ++++++++++----------
 1 files changed, 10 insertions(+), 10 deletions(-)

```
diff --git a/src/vzlist.c b/src/vzlist.c
index 15fc5d4..ed076b0 100644
--- a/src/vzlist.c
+++ b/src/vzlist.c
@@ -184,8 +184,8 @@ int none_sort_fn(const void *val1, const void *val2)

 int laverage_sort_fn(const void *val1, const void *val2)
 {
- struct Cla *la1 = ((struct Cveinfo *)val1)->la;
- struct Cla *la2 = ((struct Cveinfo *)val2)->la;
+ const struct Cla *la1 = ((const struct Cveinfo *)val1)->la;
+ const struct Cla *la2 = ((const struct Cveinfo *)val2)->la;
  int res;

  if ((res = check_empty_param(la1, la2)) == 2)
@@ -202,14 +202,14 @@ int laverage_sort_fn(const void *val1, const void *val2)
 int id_sort_fn(const void *val1, const void *val2)
 {
  int ret;
- ret = (((struct Cveinfo*)val1)->veid > ((struct Cveinfo*)val2)->veid);
+ ret = (((const struct Cveinfo*)val1)->veid > ((const struct Cveinfo*)val2)->veid);
  return ret;
 }

 int status_sort_fn(const void *val1, const void *val2)
 {
  int res;
- res = ((struct Cveinfo*)val1)->status - ((struct Cveinfo*)val2)->status; if (!res)
+ res = ((const struct Cveinfo*)val1)->status - ((const struct Cveinfo*)val2)->status; if (!res)
   res = id_sort_fn(val1, val2);
  return res;
 }
@@ -217,8 +217,8 @@ int status_sort_fn(const void *val1, const void *val2)
 #define SORT_STR_FN(fn, name)       \
 int fn(const void *val1, const void *val2)    \
 {       \
```

```
- const char *h1 = ((struct Cveinfo*)val1)->name;   \
- const char *h2 = ((struct Cveinfo*)val2)->name;   \
+ const char *h1 = ((const struct Cveinfo*)val1)->name;   \
+ const char *h2 = ((const struct Cveinfo*)val2)->name;   \
  int ret;       \
  if ((ret = check_empty_param(h1, h2)) == 2)   \
   ret = strcmp(h1, h2);     \
@@ -232,8 +232,8 @@ SORT_STR_FN(ip_sort_fn, ip)
 #define SORT_UL_RES(fn, type, res, name, index)    \
 int fn(const void *val1, const void *val2)    \
 {        \
- struct type *r1 = ((struct Cveinfo *)val1)->res;  \
- struct type *r2 = ((struct Cveinfo *)val2)->res;  \
+ const struct type *r1 = ((const struct Cveinfo *)val1)->res;  \
+ const struct type *r2 = ((const struct Cveinfo *)val2)->res;  \
  int ret;       \
  if ((ret = check_empty_param(r1, r2)) == 2)   \
   ret = r1->name[index] > r2->name[index];  \
@@ -612,12 +612,12 @@ void usage()

 int id_search_fn(const void* val1, const void* val2)
 {
- return (*(int *)val1 - ((struct Cveinfo*)val2)->veid);
+ return (*(const int *)val1 - ((const struct Cveinfo*)val2)->veid);
 }

 int veid_search_fn(const void* val1, const void* val2)
 {
- return (*(int *)val1 - *(int *)val2);
+ return (*(const int *)val1 - *(const int *)val2);
 }

 void print_hdr()
--
1.5.0.1.GIT
```

Subject: Re: [PATCH 1/2] src/vzlist.c: Fix "cast discards qualifiers from pointer target type" war
Posted by kir on Tue, 20 Feb 2007 05:52:14 GMT
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Thanks, committed to git:
http://git.openvz.org/?p=vzctl;a=commitdiff;h=fefbe762d120c1328f928f340d1c4a5661ceea5f

That's actually the same as the last part of my patch to bug #434
(http://bugzilla.openvz.org/434)

Dmitry V. Levin wrote:
> src/vzlist.c (*_sort_fn, *_search_fn): Add const qualifier to casts from const pointer type
>
> Signed-off-by: Dmitry V. Levin <ldv@altlinux.org>
> ---
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>
> diff --git a/src/vzlist.c b/src/vzlist.c
> index 15fc5d4..ed076b0 100644
> --- a/src/vzlist.c
> +++ b/src/vzlist.c
> @@ -184,8 +184,8 @@ int none_sort_fn(const void *val1, const void *val2)
>
> int laverage_sort_fn(const void *val1, const void *val2)
> {
> - struct Cla *la1 = ((struct Cveinfo *)val1)->la;
> - struct Cla *la2 = ((struct Cveinfo *)val2)->la;
> + const struct Cla *la1 = ((const struct Cveinfo *)val1)->la;
> + const struct Cla *la2 = ((const struct Cveinfo *)val2)->la;
>   int res;
>
>   if ((res = check_empty_param(la1, la2)) == 2)
> @@ -202,14 +202,14 @@ int laverage_sort_fn(const void *val1, const void *val2)
> int id_sort_fn(const void *val1, const void *val2)
> {
>   int ret;
> - ret = (((struct Cveinfo*)val1)->veid > ((struct Cveinfo*)val2)->veid);
> + ret = (((const struct Cveinfo*)val1)->veid > ((const struct Cveinfo*)val2)->veid);
>   return ret;
> }
>
> int status_sort_fn(const void *val1, const void *val2)
> {
>   int res;
> - res = ((struct Cveinfo*)val1)->status - ((struct Cveinfo*)val2)->status; if (!res)
> + res = ((const struct Cveinfo*)val1)->status - ((const struct Cveinfo*)val2)->status; if (!res)
>   res = id_sort_fn(val1, val2);
>   return res;
> }
> @@ -217,8 +217,8 @@ int status_sort_fn(const void *val1, const void *val2)
> #define SORT_STR_FN(fn, name)   \
> int fn(const void *val1, const void *val2)   \
> {   \
> - const char *h1 = ((struct Cveinfo*)val1)->name;   \
> - const char *h2 = ((struct Cveinfo*)val2)->name;   \
> + const char *h1 = ((const struct Cveinfo*)val1)->name;   \
> + const char *h2 = ((const struct Cveinfo*)val2)->name;   \

```
>   int ret;       \
>   if ((ret = check_empty_param(h1, h2)) == 2)   \
>    ret = strcmp(h1, h2);     \
> @@ -232,8 +232,8 @@ SORT_STR_FN(ip_sort_fn, ip)
>  #define SORT_UL_RES(fn, type, res, name, index)    \
>  int fn(const void *val1, const void *val2)    \
>  {        \
> - struct type *r1 = ((struct Cveinfo *)val1)->res;  \
> - struct type *r2 = ((struct Cveinfo *)val2)->res;  \
> + const struct type *r1 = ((const struct Cveinfo *)val1)->res;  \
> + const struct type *r2 = ((const struct Cveinfo *)val2)->res;  \
>   int ret;       \
>   if ((ret = check_empty_param(r1, r2)) == 2)   \
>    ret = r1->name[index] > r2->name[index];  \
> @@ -612,12 +612,12 @@ void usage()
>
>  int id_search_fn(const void* val1, const void* val2)
>  {
> - return (*(int *)val1 - ((struct Cveinfo*)val2)->veid);
> + return (*(const int *)val1 - ((const struct Cveinfo*)val2)->veid);
>  }
>
>  int veid_search_fn(const void* val1, const void* val2)
>  {
> - return (*(int *)val1 - *(int *)val2);
> + return (*(const int *)val1 - *(const int *)val2);
>  }
>
>  void print_hdr()
>
>  ---------------------------------------------------------- ------------
>
```