

## Conversion Tools - Bug #3748

### Building issue on Windows for missing get\_current\_dir\_name() api in MinGW

10/16/2018 08:54 AM - Eugenie Lyzenko

|                        |                 |                        |            |
|------------------------|-----------------|------------------------|------------|
| <b>Status:</b>         | Closed          | <b>Start date:</b>     | 10/16/2018 |
| <b>Priority:</b>       | Normal          | <b>Due date:</b>       |            |
| <b>Assignee:</b>       | Eugenie Lyzenko | <b>% Done:</b>         | 100%       |
| <b>Category:</b>       |                 | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b> |                 | <b>case_num:</b>       |            |
| <b>billable:</b>       | No              |                        |            |
| <b>vendor_id:</b>      | GCD             |                        |            |
| <b>Description</b>     |                 |                        |            |

#### History

##### #1 - 10/16/2018 11:18 AM - Eugenie Lyzenko

The root cause of the failing build in Windows is missing support for get\_current\_dir\_name() GNU extension in MinGW for Windows. The solution is to use getcwd(NULL, 0) common call.

It is building in both Linux and Windows and gets proper result for testcase:

```
message "Hit a key to start".
pause.
```

```
define variable chCurrDir as character format "x(256)" no-undo.
```

```
chCurrDir = get-working-directory().
```

```
message "Current directory is: " chCurrDir.
```

So I think the change is safe for filesystem.c:

```
JNIEXPORT jstring JNICALL
Java_com_goldencode_p2j_util_FileSystemDaemon_getWorkingDir(JNIEnv *env, jclass jc)
{
    char* curr_dir = NULL;
    jstring jsRes = NULL;
    // use common function instead of GNU extension one because Windows does not support it
    curr_dir = (char*)getcwd(NULL, 0);
    ...
}
```

Greg, I can commit the change to trunk or we can provide single fixed file to users. What will be our deploy strategy here?

**#2 - 10/16/2018 11:28 AM - Greg Shah**

Please put the change into 3706a AND also post the updated file here so that customers can access it before we release the FWD v3.3 version.

Please change the comment to // use the common CRT function which works on both Windows and Linux/UNIX.

**#3 - 10/16/2018 11:33 AM - Eugenie Lyzenko**

Greg Shah wrote:

Please put the change into 3706a AND also post the updated file here so that customers can access it before we release the FWD v3.3 version.

Please change the comment to // use the common CRT function which works on both Windows and Linux/UNIX.

OK.

**#4 - 10/16/2018 11:45 AM - Eugenie Lyzenko**

- *File fileys.c added*

Task branch 3706a has been updated for review to revision 11321.

Fix for missing get\_current\_dir\_name() call in Windows MinGW building.

For fast fix to apply the modified source is also attached here.

**#5 - 11/13/2019 12:03 PM - Greg Shah**

- *% Done changed from 0 to 100*

- *Status changed from New to Closed*

3706a was merged to trunk (long ago).

**Files**

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|          |         |            |                 |
|----------|---------|------------|-----------------|
| fileys.c | 12.4 KB | 10/16/2018 | Eugenie Lyzenko |
|----------|---------|------------|-----------------|