# DCMTK - Bug #628

## Warnings in vrscanl.c

2015-04-16 11:08 - Jan Schlamelcher

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | **Start date:** | 2015-04-16 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | Jan Schlamelcher | | **% Done:** | 100% |
| **Category:** | Library | | **Estimated time:** | 0:00 hour |
| **Target version:** | 3.6.4 | | | |
| **Module:** | dcmdata | | **Compiler:** | |
| **Operating System:** | | | | |

| **Description** |
|---|
| Apply fixes for vrscanl.c to the flex skeleton, so they don't get overwritten the next time the code is newly generated. |

## History

**#1 - 2017-03-14 16:17 - Jan Schlamelcher**

The flex skeleton file for C flex (not flex++) contains GNU Autoconf dependent code that is evaluated when compiling flex for building it into the flex executable. This solution is therefore not viable.

**#2 - 2017-03-16 11:17 - Jan Schlamelcher**

*- Status changed from Assigned to Closed*

While testing whether it is possible to disable the warnings by adding appropriate 'ofdiag' includes to the lexer file (vrscanl.l), I noticed that these warnings no longer exist in newer versions of flex. So the solution is simple: don't use the outdated flex package that ships with Debian 'jessie' if you want the warnings to go away. To be fair: the flex package that ships with current Arch Linux produces code that emits three warnings, of which one has been fixed on 25.01.2017 in the current flex developement version, which is not yet available under Arch Linux.

**#3 - 2018-03-06 15:11 - Jörg Riesmeier**

*- Category set to Library*

*- Status changed from Closed to Reopened*

*- Target version changed from 3.6.1+ to 3.6.4*

VisualStudio still reports the following warning (8 times, see Dashboard):

```
warning C4267: '=': conversion from 'size_t' to 'int', possible loss of data
```

**#4 - 2018-03-11 17:01 - Jörg Riesmeier**

*- Status changed from Reopened to Closed*

*- % Done changed from 0 to 100*

Fixed by switching to flex 2.6.4 (see commit da8e84d).