# ScalES-PPM - Bug #350

## pkg-config file libraries results in overlinking

08/13/2020 08:32 PM - Matthew Krupcale

| | | | | |
|---|---|---|---|---|
| **Status:** | Resolved | | **Start date:** | 08/13/2020 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | | | **% Done:** | 0% |
| **Category:** | | | **Estimated time:** | 0:00 hour |
| **Target version:** | | | | |

### Description

The scales-ppm{,-core}.pc.in pkg-config files specifies several libraries in the Libs: portion which are actually internal, private library dependencies of scales-ppm. That is, they are not part of the public interface/API and are just implementation details. These should be specified instead in Libs.private: so that they are only added to the link when creating a static library.

Similarly, the MPI includes are part of the public scales-ppm-core API, so we need to include those, but we don't need parmetis or metis includes here (in any case, they should have been in scales-ppm.pc.in, not scales-ppm-core.pc.in, but they're not needed there either since they're again not part of the public API).

See attached patch and [1-2] for how libraries should be specified for linking.

[1] https://people.freedesktop.org/~dbn/pkg-config-guide.html
[2] https://cmake.org/pipermail/cmake/2016-May/063400.html

### History

**#1 - 02/07/2022 02:37 PM - Thomas Jahns**

Sorry for taking so long. This should be addressed with change commit:2167449bbd8637b698c19297c47db6d7a166fad9, part of the 1.0.8 release.

**#2 - 02/07/2022 02:53 PM - Thomas Jahns**

*- Status changed from New to Resolved*

### Files

| | | | |
|---|---|---|---|
| scales-ppm-pkg-config-private-libraries.patch | 1.69 KB | 08/13/2020 | Matthew Krupcale |