

## Lasso - Bug #10066

### Java bindings fail to load because of unresolved symbol "lasso\_log"

24 février 2016 02:39 - John Dennis

<b>Statut:</b>	Fermé	<b>Début:</b>	24 février 2016
<b>Priorité:</b>	Normal	<b>Echéance:</b>	
<b>Assigné à:</b>	John Dennis	<b>% réalisé:</b>	0%
<b>Catégorie:</b>	Binding java	<b>Temps estimé:</b>	0:00 heure
<b>Version cible:</b>	2.6.0	<b>Planning:</b>	
<b>Patch proposé:</b>	Oui		

**Description**

The Red Hat RPM runs "make check" which fails. I tracked the problem down to the invocation of AllJUnitTests in the Java binding directory. The test fails because the loader cannot resolve the lasso\_log symbol. In Linux normally the loader performs lazy binding and does not try to resolve a symbol until first reference which is probably why this problem has not been seen before. But if the loader is told to resolve all symbols at load time it will fail. Apparently something in our tool chain is enabling this during testing. You can see the behavior yourself if you add

```
export LD_BIND_NOW=1
```

to the start of AllJUnitTests.

The same issue appears to have arisen in the PHP binding and was resolved in commit e0bda691 by adding a macro to define lasso\_log.

lasso\_log is referenced in jobject\_to\_gobject() because of the lasso\_assign\_gobject macro, which includes the lasso\_release\_gobject macro which invokes the message macro which expands to lasso\_log.

#### Historique

##### #1 - 24 février 2016 14:13 - John Dennis

- Fichier 0001-binding-java-add-inline-implementation-of-lasso\_log.patch ajouté

##### #2 - 24 février 2016 14:16 - Benjamin Dauvergne

- Statut changé de Nouveau à Solution déployée

- Version cible mis à 318

```
commit d8e3ae85044a23424e8fcccc4af2ce7ce883ef74
```

```
Author: John Dennis <jdennis@redhat.com>
```

```
Date: Tue Feb 23 20:00:45 2016 -0500
```

```
add inline implementation of lasso_log
```

```
lasso_log is a private function of lasso and as such cannot be
referenced by the loader.
```

```
This is equivalent to commit e0bda691 in the PHP binding which
exhibited the same problem.
```

```
lasso_log is referenced in jobject_to_gobject() because of
lasso_assign_gobject macro, which includes the lasso_release_gobject
macro which invokes the message macro which expands to lasso_log.
```

```
License: MIT
```

```
Signed-off-by: John Dennis <jdennis@redhat.com>
```

##### #3 - 28 juin 2018 12:21 - Benjamin Dauvergne

- Statut changé de Solution déployée à Fermé

- Assigné à mis à John Dennis

- Version cible changé de 318 à 2.6.0

## Fichiers

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0001-binding-java-add-inline-implementation-of-lasso\_log.patch

1,9 ko

24 février 2016

John Dennis