



workarounds:

For **Mac OS X 10.0.4** you need to add a startup item to **/Library/StartupItems** which is supplied with the ObjectFarmSpell distribution ( the **ObjectFarmSpell** folder inside the **Documentation** folder). Copy this **ObjectFarmSpell** folder into **/Library/StartupItems**. You have to reboot to activate the spell service login/logout doesn't work.

For **Mac OS X 10.1** you also need the above mentioned StartupItem or go to **System Preferences: Login Items** and add **/Library/Services/ObjectFarmSpell.service**.

## Limitations:

Ispell custom user dictionaries are currently not supported but you learn and forget words from within the Spelling panel (*Edit->Spelling->Spelling...*). Mac OS X's spell checking architecture maintains a list of learned words for each user and language (`~/Library/Spelling/<language-name>`) which ObjectFarmSpell supports.

Currently you can't add/remove languages to/from ObjectFarmSpell. This will be added and documented in Version 1.0.

## Language Support:

Currently only german [4], spanish [5], italian [6] and french [7] are supported languages. Other languages will follow soon (as long as Ispell dictionaries exist). You can check out the International Ispell Homepage [2] for a list of available languages. If you think you can't live without a spell checker for a particular language listed there drop me a note.

## Copyright:

### **ObjectFarmSpell - a Mac OS X spell service using Ispell**

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To be honest my contribution to ObjectFarmSpell.service is minimal compared to work done by others who wrote Ispell and compiled the dictionaries. So you have to read and

agree to the Copyright information of Ispell and the dictionaries:

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**German dictionary [4]:**

igerman98 - dictionaries for german language  
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**Spanish dictionary [5]:**

espa~nol-1.7 - dictionaries for spanish (español) language  
Copyright (c) 1994-1996, 1999, 2001 Santiago Rodríguez and Jesús Carretero

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**Italian dictionary [6]:**

ispell-it - dictionaries for italian language

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Italian dictionary and affix file for ispell. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License.

This version unify the 2 different development from  
- Antonio Palam

- Marco Roveri  
I (Loris Palmerini) had the agreements of authors to do this work.  
This is an improved version of their common affixes found in the Italian language. It's still not final. This is the equivalent of a beta version. The dictionary is not complete either but include around 160.000 words-

#### **French dictionary [7]:**

Francais-GUTenberg-v1.0

Copyright (C) 1999 Christophe Pythoud and l'Association GUTenberg.

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## **Source Code:**

Starting with version 1.0 the source code of ObjectFarmSpell will be public. Currently the code needs to be cleaned up and documented. However if you think you really need the source of version 0.9.1 feel free to contact me.

## **Contact Information:**

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## **Revision History:**

Version 0.9.1 First public release. **THIS IS BETA SOFTWARE** (see note above)

#### **Problems with Version 0.9.1:**

- When forgetting a learned word there seems to be a memory leak. Strangely the leak seems not to be in my code:  
\*\*\* malloc[<Service-PID>]: Deallocation of a pointer not malloced: 0xff008; ...  
When the Forget-button is pressed the above message appears before the NSSpellServer's delegate method -spellServer:didForgetWord:inLanguage: gets called.

## **References:**

- [1] ObjectFarmSpell.service: <http://www.objectfarm.org/objectfarmspell>
- [2] International Ispell: <http://ficus-www.cs.ucla.edu/geoff/ispell.html>
- [3] GNU General Public License: <http://www.fsf.org/copyleft/gpl.html>
- [4] *Björn Jacke*, German dictionary: <http://www.suse.de/~bjacke/igerman98/>
- [5] *Santiago Rodríguez* and *Jesús Carretero*:  
[http://www.datsi.fi.upm.es/~coes/espell\\_readme/](http://www.datsi.fi.upm.es/~coes/espell_readme/)
- [6] *Loris Palmerini* et al.:  
<http://members.xoom.it/trasforma/ispell>
- [7] *Christophe Pythoud*: <http://www.unil.ch/ling/cp/frgut.html>
- [8] Excalibur The LaTeX-Aware Spelling Checker: <http://www.eg.bucknell.edu/~excalibr>