



SCIM-Python

Huang Peng <phuang@redhat.com>

I18N Team

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What is SCIM-Python?

- SCIM is Smart Common Input platform. Most Linux distributions use it for inputting CJKI characters and etc.
- SCIM-python is python binding for SCIM platform.
- Developers may use python language to develop input engines.
- Project host:
<http://code.google.com/p/scim-python/>

Why create SCIM-Python?

- I want to create new Chinese PinYin input method, but I do not like C/C++, and I think Python is effective for both development & run time
- So I created the Python binding for SCIM platform and created the PinYin engine by Python language.
- Finally, I wrote about 9000 lines for the Python binding and about 5000 lines for the PinYin engine. 9000 + 5000, the size is almost same with implementing a Pin Yin engine in pure C++.

Why create SCIM-Python? (cont)

- But developer can develop new engines easily with SCIM-Python.
 - ZhengJu PinYin engine (2000 lines)
 - XingMa engine (2500 lines)
 - English Writer engine (only 300 lines)

Project members

- Huang Peng <phuang@redhat.com>
- Ming Hua <minghua@gmail.com> Debian
- Yu Fan <yufanyufan@gmail.com> Zheng Ju engine
- ChaiKov <tchaikov@gmail.com> Debian
- Acevery <acevery@gmail.com> - Xing Ma engine

Project scale

- **SCIM-Python was developed by C++ & Python**
 - C++ about 5000 lines
 - Python about 14000 lines
- **SCIM-Python's partitions**
 - Python binding – by Huang Peng (C++)
 - Python PinYin engine – by Huang Peng (Python)
 - Engine Writer engine – by Huang Peng (Python)
 - ZhengJu engine – by Yu Fan (Python)
 - XingMa engine – by Acevery (Python)

SCIM-Python & Linux distributions

- Included in Official Fedora 8, Fedora 9 and later
- It has been packaged for Debian, Ubuntu, Gentoo, Archlinux, OpenSUSE, and etc

Python PinYin

- Author: Huang Peng
- It has about 1000000 phrases.
- It is like most popular Chinese PinYin input method
 - Sogou & Google PinYin on Windows Platform.
- It supports input Chinese Sentences

ZhengJu PinYin

- Author: Yu Fan
- It supports input Chinese Sentences.
- It is like Microsoft PinYin on Windows.

Any questions?

Thanks