

# TSCC -- Traditional/Simplified Chinese Converter Framework

Let's read and write Chinese without pain!

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## *What's our pain?*

- Too many encodings dedicated to Chinese.
  - Different words / phrases / usages among Mainland China, Hong-Kong, and Taiwan.
  - The conflict between Traditional and Simplified Chinese prevents the people from knowing all of the messages.
  - Duplicated Chinese translations.
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## *How can we do?*

- Create update-to-date database converting the words / phrases for reference. (tscc-db)
  - Create a robust, efficient, and general purpose library dedicated to converting. (libtscc)
  - Provide an infrastructure to extend existing applications with the facilities from general purpose library.
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# *The Designs*

- Principle: KISS
    - Keep It Simple and Stupid.
  - Borrow the designs from classical Client/Server architectures.
  - Make sure its network transparency.
  - Define the "client side" as the application context making use of TSCC services.
  - Lightweight and "Just Work"(TM)
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# *The Framework*

- Core services : datagram containing the messages.
  - The daemon : lookup and retrieve the corresponding converted messages.
  - The Server framework : the interface to the facilities of the daemon.
  - The Client framework : the binding/interface to negotiate with the server.
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# *The Server*

- Based on the design and implementation from Town (同文堂) and cpatch's BGConv.
- Lightweight socket communications for wrapping the messages between client and server sides.

# *The Client*

- Targets: the applications which take different Chinese words into considerations.
  - Examples:
    - Web Browser
    - Document Editors
    - Instant Messaging
    - Translation tools
  - Utilities
    - Improved zh-autoconverter
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# *Our Tasks*

- Define the protocol.
- Design libtscc.
- Prepare the daemon and server framework.
- Enrich the client framework
  - Write a plugin for Gaim
  - Write the utilies
  - Provide the patch for existing translation tools.