

23. Internationalization

The modules described in this chapter help you write software that is independent of language and locale by providing mechanisms for selecting a language to be used in program messages or by tailoring output to match local conventions.

The list of modules described in this chapter is:

- 23.1. `gettext` — Multilingual internationalization services
 - 23.1.1. GNU **gettext** API
 - 23.1.2. Class-based API
 - 23.1.2.1. The `NullTranslations` class
 - 23.1.2.2. The `GNUTranslations` class
 - 23.1.2.3. Solaris message catalog support
 - 23.1.2.4. The `Catalog` constructor
 - 23.1.3. Internationalizing your programs and modules
 - 23.1.3.1. Localizing your module
 - 23.1.3.2. Localizing your application
 - 23.1.3.3. Changing languages on the fly
 - 23.1.3.4. Deferred translations
 - 23.1.4. Acknowledgements
- 23.2. `locale` — Internationalization services
 - 23.2.1. Background, details, hints, tips and caveats
 - 23.2.2. For extension writers and programs that embed Python
 - 23.2.3. Access to message catalogs