

TURBOGEARS

A request's journey through the TG stack



http://my_app/greetings/greet?name=ronald

Running Apache up front

If you choose to deploy behind Apache the request will be forwarded by mod_rewrite after adding the X-Forwarded-Host and X-Forwarded-For headers



Mapping the request

CherryPy maps the request into an object tree, it tries to find the best matching method for ex.:
root.greetings.greet(name=ronald)

TurboGears Identity

If TurboGears identity is active and your method is decorated with access rules, the system checks if there is a valid session with a user having the needed set of permissions



Is there a session?

no

Redirect to log-in page

Required privileges?

no

Access denied

Validation

If your method is decorated with a validator the incoming values will be controlled and coerced into Python types before being handled over to your method

Controller

Do application specific stuff here and return a dictionary

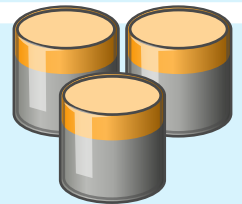


Widgets

Model

Create, update, select or delete records in your database without SQL by simple object manipulation regardless of your datastore

Postgress
MySQL
Firebird
SQLite
SyBase
SAPDB
SQLServer



Templates

Kid

Cheetah

Stan

HtmlPy

FastData

Basic database functionality for free - CRUD

FeedController

Package and return your data as an Atom or RSS feed



Internationalization

The I18n filter will replace your strings if you have a translation file available for the requested locale

HTML

XHTML

JSON

XML

RSS

Atom

Mochikit

AJAX

