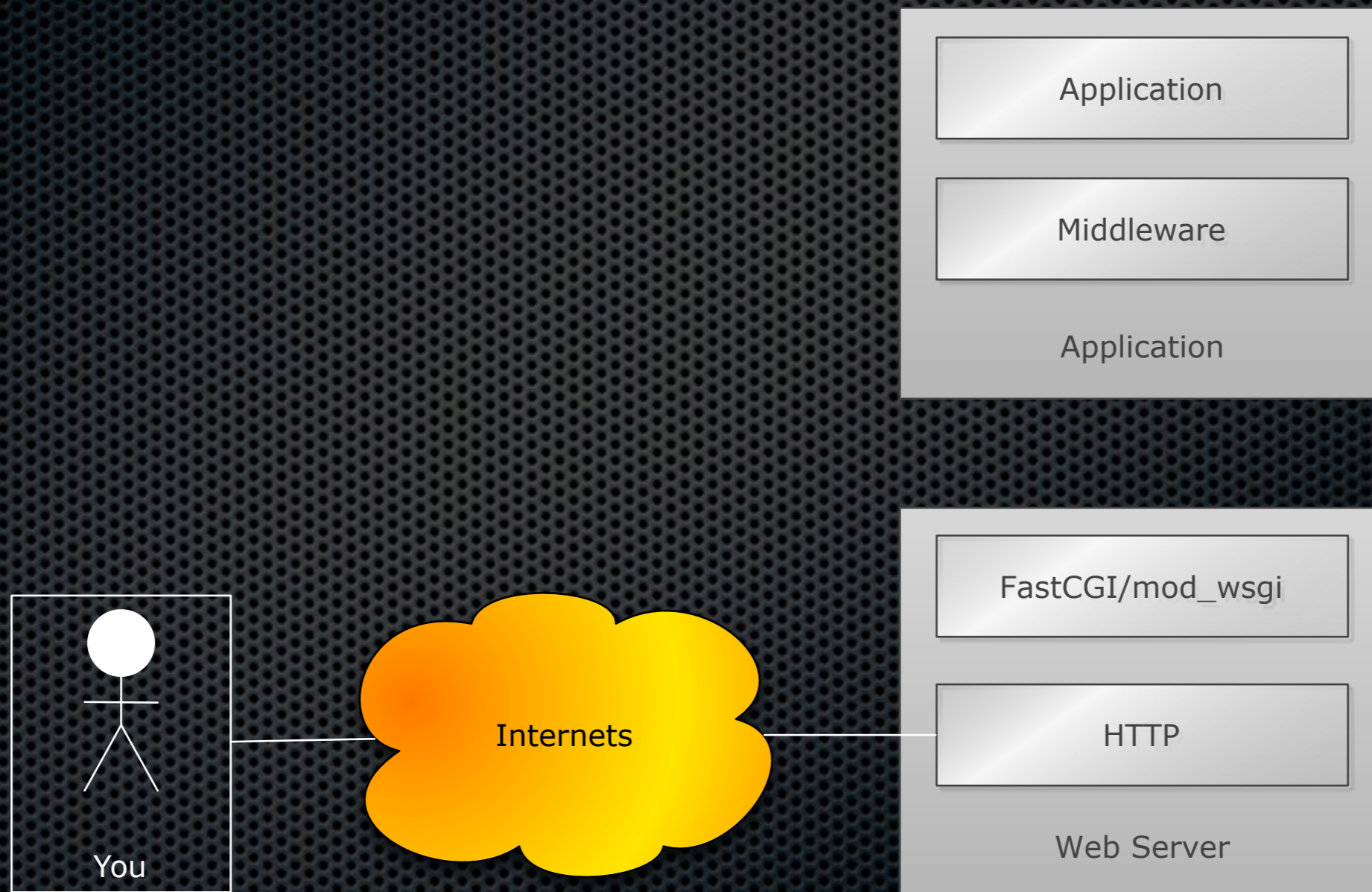


Introduction to WSGI

High Level Overview



Basic Pieces

- ✦ Environment - Pass it around
- ✦ Headers and

WSGI

- ✦ PEP 333 - Python Web Server Gateway Interface
- ✦ <http://www.python.org/dev/peps/pep-0333/>
- ✦ ...proposes a simple and universal interface between web servers and web applications or frameworks.
- ✦ Similar APIs: Java Servlets, Ruby Rack

WSGI

- ✦ “Server” or “gateway” side
- ✦ “Application” or “framework” side
- ✦ The server side invokes a callable object that is provided by the application side.

WSGI Gateway

- ✦ Interfaces with web server
- ✦ Hosts the application and middleware
- ✦ Responsible for writing to client

WSGI Middleware

- ✦ Implements both sides of the interface
 - ✦ Acts as application to the containing server
 - ✦ Acts as server to contained application
- ✦ Can modify inbound environment
- ✦ Can also modify outbound results