

PathManager Module

PathManager

□ routes: List[Dict[str, Any]]

□ runtime_manager_initialised: RuntimeManager

□ endpoints_initialised: EndpointManager

□ runtime_control_initialised: RuntimeControl

○ __init__(success, error, debug)

○ add_path(path, endpoint, method)

○ has_endpoint(path, endpoint, method)

○ load_default_paths_initialised()

○ inject_routes()

□ endpoint_valid(path, endpoint, method)

□ _build_endpoint(path, endpoint, method)

□ _find_route_index(path, endpoint)

□ _merge_methods(existing, new)

Internal Storage (routes):
Deferred routes structure:

```
[
  {
    "path": "/api/v1/users",
    "endpoint": function_ref,
    "method": ["GET", "POST"]
  }
]
```

inject_routes():
Final step that injects all stored routes into FastAPI app instance

PathConstants

○ PATH_KEY: str = "path"

○ ENDPOINT_KEY: str = "endpoint"

○ METHOD_KEY: str = "method"

○ ALLOWED_METHODS: List[str]

Core

RuntimeManager

○ get(class_type)

○ get_if_exists(class_type, default)

○ exists(class_type)

RuntimeControl

○ app: FastAPI

FinalClass

« metaclass »

EndpointManager

EndpointManager

○ inject_routes()

uses

injects routes into

retrieves instances

accesses FastAPI app

metaclass

loads routes from

FastAPI