
IRPC

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IRPC — LIGHTNING-FAST TRANSPORT-AGNOSTIC RPC WITH ASYNCIO SUPPORT [UNDER DEVELOPMENT]

1.1 irpc package

1.1.1 Subpackages

`irpc.native` package

Submodules

`irpc.native.carriers` module

`irpc.native.carriers` module

Module contents

1.1.2 Submodules

1.1.3 `irpc.errors` module

Contains IRPC-related exceptions.

exception `irpc.errors.IRPCAppError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCError`

Unknown (generic) error.

Also serves as a common base for all IRPC Errors respond to clients.

errno

Error number

Type `int`

msg

Error description message

Type Optional[str]

Each Error must have at least an *errno* provided. Error numbers from -100 to -1 are reserved and should not be used by a user.

classmethod `__init_subclass__` (*check_errnos=True*)

Require that every *errno* is unique and subclass does provide a default for it, unless a *check_errnos* argument set to False during subclassing.

__repr__ ()

Fancy representation.

errno = -1

msg = None

exception `irpc.errors.IRPCArgumentError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCAppError`

Indicates IRPC transport is probably ok, but the method was called with wrong arguments.

errno = -4

exception `irpc.errors.IRPCAuthError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCAppError`

Common authentication error serving numerous purposes.

We don't need to be too specific on errors since we don't want to disclose useful information to an attacker.

errno = -6

exception `irpc.errors.IRPCBuildError`

Bases: `irpc.errors.IRPCError`

Used for all exceptions related to IRPC declarations building process.

exception `irpc.errors.IRPCError`

Bases: `Exception`

Common base class for all IRPC exceptions.

exception `irpc.errors.IRPCExpiredError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCAppError`

Denotes some resource is already expired.

errno = -5

exception `irpc.errors.IRPCFormatError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCAppError`

Indicates IRPC request has wrong format.

errno = -2

exception `irpc.errors.IRPCNotFoundError` (*msg=None, *args, errno=None, **kwargs*)

Bases: `irpc.errors.IRPCAppError`

Indicates requested IRPC method or other resource was not found in endpoint.

errno = -3

1.1.4 irpc.irpc module

1.1.5 Module contents

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