

Pycc Protokoll Specification 0.1

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1 Preface

The pycc protocol is used to send messages and commands between the various pycc clients. It provides a simple way to format given byte-strings to package- and client-information and the actual message.

2 Specification

2.1 New connection and protocol handshake

A connection has 3 statuses:

- **new:** Connection is new and not even received by the connection partner.
- **init:** Connection is established but needs to be configured.
- **open:** Connection is established.

Example **new** Socket Packet:

PYCC | [*version*] | *Client*

- Protocol begins with *PYCC*
- Single Protocol parts are separated by pipes |
- [*version*] contains the protocol-version used for this connection.
- *Client* describes the PYCC-Node the package is addressed to.

When the socket receives a package formatted that way it sends a package of the same format (*PYCC*|[*version*]|*Client*)

2.2 Message Specification

Example:

3 Exceptions

1

If a protocol format *does not* provide the features that are demanded in the specification a `ProtocolException` is raised.