irctk Documentation

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Client

class irctk.client.**Client**(*nickname: str = 'irctk', ident: str = 'irctk', realname: str = 'irctk', password: str = None*)

```
>>> client = Client(nickname='example')
```

channel_class
alias of *irctk.channel.Channel*

connect(*host: str, port: int, use_tls: bool = False, loop=None*)
Connect to the IRC server

irc_equal(*lhs: str, rhs: str*) → bool
Determine if two strings are IRC equal.

quit(*message: str = 'Disconnected'*)
Disconnects from IRC and closes the connection. Accepts an optional reason.

send(*message_or_command, *parameters, colon: bool = False*)
Send an IRC message

```
>>> client.send('JOIN', '#example')
```

send_join(*channel, key: str = None*)
Sends a JOIN channel command.

```
>>> client.send_join('#palaver')
```

send_line(*line: str*)
Sends a raw line to IRC

Example:

```
>>> client.send_line('PRIVMSG kylef :Hey!')
```

send_part(*channel*)
Sends a PART channel command.

```
>>> client.send_part('#palaver')
```

send_privmsg(*target*, *message: str*)

Sends a private message to a target.

Example:

```
>>> client.send_privmsg('kyle', 'Hi')
>>> client.send_privmsg(channel, 'Hi')
```

CHAPTER 2

Message

class irctk.message.**Message**(*tags: List[irctk.message.MessageTag] = None, prefix: str = None, command: str = '', parameters: List[str] = None*)

get(*index: int*) → Optional[str]

Returns a parameter at index or None

```
>>> message = Message.parse('JOIN #example')
>>> message.get(0)
'#example'
>>> message.get(1)
```

classmethod parse(*string: str*)

Parse an IRC line into a Message instance

```
>>> message = Message.parse(':doe!doe@example.com PRIVMSG #example :Hello␣
↪World')
>>> message.prefix
'doe!doe@example.com'
>>> message.command
'PRIVMSG'
>>> message.parameters
['#example', 'Hello World']
```

class irctk.message.**MessageTag**(*vendor: str = None, name: str = None, value: str = None*)

CHAPTER 3

Nick

class irctk.nick.**Nick**(*nick: str = ”, ident: Optional[str] = ”, host: Optional[str] = ”*)

CHAPTER 4

Channel

class irctk.channel.**Channel**(*name: str*)

Represents a channel

class irctk.channel.**Membership**(*nick: irctk.nick.Nick*, *modes: List[str] = None*)

Represents a nick membership inside a channnel.

has_mode(*perm: str*) → bool

Checks if the membership contains a user mode

```
>>> membership.has_mode('o')
```

CHAPTER 5

Support

class irctk.isupport.**ISupport**

case_mapping

Returns the case mapping.

Example:

```
>>> support.case_mapping
'rfc1459'
```

channel_prefixes

Returns a list of channel prefixes.

Example:

```
>>> support.channel_prefixes
['#', '&']
```

is_channel(*channel_name*) → bool

Returns True if supplied channel name is a valid channel name.

Example:

```
>>> support.is_channel('#darkscience')
True

>>> support.is_channel('kylef')
False
```

maximum_channel_length

Returns the maximum length of a channel name.

Example:

```
>>> support.maximum_channel_length
200
```

maximum_nick_length

Returns the maximum length of a nickname.

Example:

```
>>> support.maximum_nick_length
9
```

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