initialization

Object initialization protocol.

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version:
    1.11
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compilation:
    static, context_switching_calls
uses:
    list

Public interface

init/1

Intialize an object with the given list of options.

compilation:
    static
template:
    init(Options)
mode - number of solutions:
    init(+list) - zero_or_one

valid_init_option/1

True if the argument is a valid initialization option.

compilation:
    static
template:
    valid_init_option(Option)
mode - number of solutions:
    valid_init_option(+nonvar) - zero_or_one

valid_init_options/1

True if the argument is list of valid initialization options.

compilation:
    static
template:
    valid_init_options(Options)
mode - number of solutions:
    valid_init_options(+list) - zero_or_one

default_init_options/1

List of default initilization options.

compilation:
    static

template:
```
default_init_options(Options)
```

mode - number of solutions:
```
default_init_options(+list) - one
```

default_init_option/1

Default initilization option.

compilation:
```
static
```

template:
```
default_init_option(Option)
```

mode - number of solutions:
```
default_init_option(?nonvar) - zero_or_more
```

free/1

Release an object with the given list of options.

compilation:
```
static
```

template:
```
free(Options)
```

mode - number of solutions:
```
free(+list) - zero_or_one
```

valid_free_option/1

compilation:
```
static
```

mode - number of solutions:
```
valid_free_option(+nonvar) - zero_or_one
```

valid_free_options/1

True if the argument is list of valid delete options.

compilation:
```
static
```

template:
```
valid_free_options(Options)
```

mode - number of solutions:
```
valid_free_options(+list) - zero_or_one
```

default_free_options/1

List of default delete options.

compilation:
```
static
```

template:
```
default_free_options(Options)
```

mode - number of solutions:
```
default_free_options(+list) - one
```

default_free_option/1

Default delete option.

compilation:

    static

template:

    default_free_option(Option)

mode - number of solutions:

    default_free_option(?nonvar) - zero_or_more

Protected interface

process_init_option/1

Process initilization option.

compilation:

    static

template:

    process_init_option(Option)

mode - number of solutions:

    process_init_option(?nonvar) - zero_or_one

process_free_option/1

Process delete option.

compilation:

    static

template:

    process_free_option(Option)

mode - number of solutions:

    process_free_option(?nonvar) - zero_or_one

Private predicates

process_init_options/1

Process a list of initilization options.

compilation:

    static

template:

    process_init_options(Options)

mode - number of solutions:

    process_init_options(+list) - zero_or_one

process_free_options/1

Process a list of delete options.

compilation:

    static

template:

    process_free_options(Options)

mode - number of solutions:

    process_free_options(+list) - zero_or_one

merge_options/3

Constructs a complete list of options complementing the explicit options with the default ones.

compilation:

```
static
```

template:

```
merge_options(Options,Defaults,Result)
```

mode - number of solutions:

```
merge_options(+list,+list,-list) - one
```