

Reference Manual

Grammar

Compilation units

Object definition

Category definition

Protocol definition

Entity relations

- Implemented protocols
- Extended protocols
- Imported categories
- Extended objects
- Instantiated objects
- Specialized objects
- Entity scope

Entity identifiers

- Object identifiers
- Category identifiers
- Protocol identifiers

Source file names

Directives

- Object directives
- Category directives
- Protocol directives
- Predicate directives

Clauses

Entity properties

Predicate properties

Directives

Source file directives

encoding/1

Entity directives

calls/1
category/1-3
dynamic/0
end_category/0
end_object/0
end_protocol/0
info/1
initialization/1
object/1-5
protocol/1-2
threaded/0
uses/1

Predicate directives

alias/3
atomic/1
discontiguous/1
dynamic/1
info/2
meta-predicate/1
mode/2
op/3
private/1
protected/1
public/1
uses/2

Built-in predicates

Enumerating objects, categories and protocols

current_category/1
current_object/1
current_protocol/1

Enumerating objects, categories and protocols properties

category_property/2
object_property/2
protocol_property/2

Creating new objects, categories and protocols

`create_category/4`
`create_object/4`
`create_protocol/3`

Abolishing objects, categories and protocols

`abolish_category/1`
`abolish_object/1`
`abolish_protocol/1`

Objects, categories and protocols relations

`extends_object/2-3`
`extends_protocol/2-3`
`implements_protocol/2-3`
`imports_category/2-3`
`instantiates_class/2-3`
`specializes_class/2-3`

Event handling

`abolish_events/5`
`current_event/5`
`define_events/5`

Multi-threading meta-predicates

`threaded_call/1`
`threaded_call/2`
`threaded_exit/1`
`threaded_exit/2`

Compiling and loading objects, categories and protocols

`logtalk_compile/1`
`logtalk_compile/2`
`logtalk_load/1`
`logtalk_load/2`
`logtalk_library_path/2`

Flags

`current_logtalk_flag/2`
`set_logtalk_flag/2`

Others

`forall/2`
`retractall/1`

Built-in methods

Local methods

```
parameter/2  
self/1  
sender/1  
this/1
```

Reflection methods

```
current_predicate/1  
predicate_property/2
```

Database methods

```
abolish/1  
asserta/1  
assertz/1  
clause/2  
retract/1  
retractall/1
```

Meta-call methods

```
call/N
```

All solutions methods

```
bagof/3  
findall/3  
forall/2  
setof/3
```

Event handler methods

```
before/3  
after/3
```

DCG rules parsing methods

```
phrase/2  
phrase/3
```

Term expansion methods

```
expand_term/2  
term_expansion/2
```

Control constructs

Message sending

::/2

::/1

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Calling external code

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