

Knowledge Data Manager (KDM) Reference Manual

0.3

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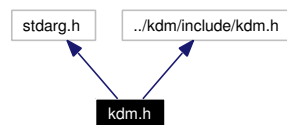
1 Knowledge Data Manager (KDM) File Documentation

1.1 kdm.h File Reference

user access functions to KDM information

```
#include <stdarg.h>
#include "../kdm/include/kdm.h"
```

Include dependency graph for kdm.h:



Defines

- #define **KDM_Get_Value**(s) kdm_get_slot_value((&s))
Returns the value stored in slot with the correct type.
- #define **KDM_Set_Value**(s, args...) kdm_set_slot_value((&s),##args)
Sets the value of /s to /val.
- #define **KDM_Add_Event**(s, e, i) kdm_event_add((&s),e,i)
Adds the 'e' event to the events of interest list for the slot 's'.
- #define **KDM_Release_Event**(s, e) kdm_event_release((&s),e)
Release the 'e' event from the list of slot 's'.
- #define **KDM_Set_Event**(s, e, i) kdm_event_set((&s),e,i)
Set the events of interest list exactly to 'e'.

1.1.1 Detailed Description

user access functions to KDM information

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0.2

The KDM (Knowledge Data Manager) is the module which manages the set of beliefs of the agent. It provides the user with several functions to access to the data that the user has defined.

Mainly, these functions are classified in two types, depending on the temporal characterisation of the data: static or temporal. Static information does not maintain any kind of information about the instant in which values are updated. Temporal slots accessing functions label each data with their instant of occurrence.

Static slots' accessing functions get or set the value for the slot. An static slot have to be passed to these functions. The function has to be rewritten to use a pointer to the correspondent structure.

Definition in file [kdm.h](#).

1.1.2 Define Documentation**1.1.2.1 #define KDM_Add_Event(s, e, i) kdm_event_add((&s),e,i)**

Adds the 'e' event to the events of interest list for the slot 's'.

Definition at line 63 of file kdm.h.

1.1.2.2 #define KDM_Get_Value(s) kdm_get_slot_value((&s))

Returns the value stored in slot with the correct type.

Definition at line 40 of file kdm.h.

1.1.2.3 #define KDM_Release_Event(s, e) kdm_event_release((&s),e)

Release the 'e' event from the list of slot 's'.

Definition at line 69 of file kdm.h.

1.1.2.4 #define KDM_Set_Event(s, e, i) kdm_event_set((&s),e,i)

Set the events of interest list exactly to 'e'.

Definition at line 75 of file kdm.h.

1.1.2.5 #define KDM_Set_Value(s, args...) kdm_set_slot_value((&s),##args)

Sets the value of /s to /val.

Definition at line 50 of file kdm.h.

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