Repository Function

Description

Use to issue methods to repository objects (entities). Repository entities are stored as rows in the SYSREPOS table. See SYSREPOS_COL_EQUATES for the SYSREPOS table layout.

Syntax

```
methodreturn = Repository(Message, entID, argn)
```

Parameters

The Repository function has the following parameters. Arguments for each message vary. Follow the link in the Message column for syntax and examples.

Message	Description
ACCESS	Method for accessing (i.e., reading) entities of a given type or class, and determining whether an entity exists.
ADDMODULE	Method for adding modules to an entity.
CLEARFLAG	Method for resetting the evaluation and/or compilation flags for a repository entity.
CLEARMODULE	Method for clearing modules on an entity.
COMPILE	Method for compiling entities of a given type (stored procedures or windows) into an executable form.
COPY	Method for copying entities.
DESIGN	Method for designing entities.
DESTROY	Method for destroying an entity.
EXECUTE	Method for executing entities.
FLAG	Method for setting flags in the repository header for this entity.
GET	Method for reading the entry in SYSREPOS (the master repository table) for the entity.
GETACCESSPERMIT	Method for getting the users who have access (i.e. reading) permission for this entity.
GETAPPID	Method for getting the application ID (the first part of the key for the SYSREPOS entry corresponding to the entity)
GETDESCRIPTION	Method for getting the entity's description information.
GETDOCUMENT	Method for getting the document(s) associated with this entity.
GETEVALUATE	Method for getting the entity's evaluate flag and notes information.
GETLASTUPDATE	Method for getting the date and time of the last update to this entity.
GETLOGHISTORY	Method for getting the history log for an entity.
GETMODULE	Method for getting the modules for an entity.
GETPUBLISHABLE	Method for getting the "publishable" flag for an entity.
GETRECOMPILE	Method for getting the recompilation flag for an entity.
GETSHAREABLE	Method for getting the shareable flag for an entity.
GETSUB	Method for getting a list of "sub-entities," (entities using entID).
GETSUBKEY	Method for getting the "subkey" (data storage location), for entities such as documents.
GETSUPER	Method for getting a list of "super-entities" (entities used by entID).
GETTITLE	Method for getting the entity's title in the repository.
GETUPDATEPERMIT	Method for getting the users who have update permission for this entity.
LOCK	Method for locking an entity.

[NEW](#)	Method for creating new entities.
[REMOVEMODULE](#)	Method for removing a module from an entity.
[SET](#)	Method for writing the entry in SYSREPOS (the master repository table) for the entity.
[SETACCESSPERMIT](#)	Method for updating the list of users who have access (i.e. reading) permission for this entity.
[SETDESCRIPTION](#)	Method for changing an entity's description in the repository.
[SETMODULE](#)	Method for setting a module on an entity.
[SETPUBLISHABLE](#)	Method for change an entity's publishable flag in the repository.
[SETSHAREABLE](#)	Method for setting the entity's shareable flag in the repository.
[SETSUB](#)	Method for setting the list of "sub-entities" (entities using entID).
[SETSUBKEY](#)	Method for setting the "subkey" (data storage location).
[SETSUPER](#)	Method for setting the list of "super-entities" (entities used by entID).
[SETTITLE](#)	Method for setting the entity's title in the repository.
[SETUPDATEPERMIT](#)	Method for updating the list of users who have update permission for this entity.
[TCOMPILE](#)	Tree compile (compile entities with their related entities, for example a window and events in the window).
[TCOPY](#)	Tree copy (copies entities with their related entities, for example a window and events in the window)
[TDESTROY](#)	Tree destroy (destroying entities and entities used by this entity, such as a window and events created in the window).
[UNLOCK](#)	Method for unlocking entities.
[UPDATE](#)	Method for updating an entity while allowing the repository routines to record the update.
[WRITE](#)	Method to create new entities, or overwrite existing entities.

entID

entID consists of four elements, which are '*' (asterisk) delimited:

- Application name;
- Type ID;
- Class ID;
- Entity name.

argn

Methods are executed as follows: if class specific, execute at the class level; if type specific, execute at the type level; otherwise, execute the method.

Arg1 ..... Arg20.

This list of methods is not exhaustive.

Note: Always call the [Get_Status function](#) after calling Repository.

See also

[Get_Repos_Entities()](#), [RevError.DAT](#).

Example

```
result = Repository("ACCESS", entid)
if Get_Status(ErrCode) then
      statList<-1> = ErrCode
end
```