

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

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