

Repository Function COMPILE

Description

Method for compiling entities of a given type (stored procedures, events, datasets, or windows) into an executable form.

Syntax

```
retval = Repository("COMPILE", entID, parameter1, parameter2, parameter3)
```

The arguments in parameter1, parameter2, and parameter3 vary depending on entity type.

Parameters

The **COMPILE** method has the following parameters

Parameter	Description
Message	COMPILE
entID	entID consists of four elements, which are '*' (asterisk) delimited: <ul style="list-style-type: none">• Application name• Type ID• Class ID• Entity name
	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.
parameter1	a boolean indicating whether or not the entity should be compiled if it has not been changed since the last compilation
parameter2	for windows, a boolean indicating whether cleanup of orphan entities should be done. Ignored for other entity types
parameter3	For stored procedures, a boolean value indicating whether or not linemarks should be kept. When True\$, the linemarks are stripped. When False\$, the linemarks are kept. The default is False\$.

Returns

null = Compilation failed. Use [Get_Status\(\)](#) to test for error return.

1 = Compilation not needed.

2 = Compilation successful. Field 2 returns the date and time of compilation.

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

See also

[Repository\(\) function](#), [TCompile method](#), [Get_Repos_Entities\(\)](#).

Example

```
/* Compile the source code of the CENTERWINDOW stored procedure */
Declare Function Repository, Get_Status
AppID = @APPID<1> /* current application
TypeID = "STPROC" /* OpenInsight stored procedures
ClassID = "" /* Not Applicable
Stored_Proc_Name = 'CENTERWINDOW'
recompile_if_unchanged = ''
cleanup_orphan_entities = ''
preserve_linemarks = ''
entid = AppID : '*' : TypeID : '*' : ClassID : '*' : Stored_Proc_Name
result = Repository("COMPILE", entid, recompile_if_unchanged, cleanup_orphan_entities, preserve_linemarks)
* test result
begin case
  case result = ''
    If Get_Status(ErrCode) then
      call msg(@window, 'Error Message returned: ' : ErrCode)
    end
  case result = 1
    call msg(@window, 'Compilation not needed')
  case result<1> = 2
    call msg(@window, 'Compilation successful, compiled at ' : result<2>)
end case
```