

# 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
<i>Message</i>	<b>COMPILE</b>
<i>entID</i>	entID consists of four elements, which are '*' (asterisk) delimited:
	<ul style="list-style-type: none"><li>• Application name</li><li>• Type ID</li><li>• Class ID</li><li>• Entity name</li></ul>
	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.
<i>parameter1</i>	a boolean indicating whether or not the entity should be compiled if it has not been changed since the last compilation
<i>parameter2</i>	for windows, a boolean indicating whether cleanup of orphan entities should be done. Ignored for other entity types
<i>parameter3</i>	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 = ''
creserve_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

```