
AIMMS Function Reference - Licensing Functions

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Licensing Functions

AIMMS supports the following licensing functions:

- `AimmsRevisionString`
- `LicenseExpirationDate`
- `LicenseMaintenanceExpirationDate`
- `LicenseNumber`
- `LicenseStartDate`
- `LicenseType`
- `VARLicenseCreate`
- `VARLicenseExpirationDate`

AimmsRevisionString

The procedure `AimmsRevisionString` returns the revision number of the current AIMMS executable.

```
AimmsRevisionString(  
    Version          ! (output) a scalar string parameter  
    NumberOfFields ! (optional) a scalar numerical expression)
```

Arguments:

Version

A scalar string parameter that, on return, contains the current revision number.

NumberOfFields

A scalar integer expression indicating the number of fields displayed in the revision string.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The revision string returned by the procedure has the format “*x.y.b.r*” where *x* represents the major AIMMS version number (e.g. 3), *y* represents the minor AIMMS version number (e.g. 0), where *b* represents the build number (e.g. 476) of the current executable, and where *r* represents the internal revision number.

LicenseExpirationDate

The procedure `LicenseExpirationDate` returns the expiration date of the current AIMMS license.

```
LicenseExpirationDate(  
    date    ! (output) a scalar string parameter  
)
```

Arguments:

date

A scalar string parameter that, on return, contains the expiration date of the current AIMMS license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The date returned by the procedure has the standard date format "YYYY-MM-DD", or holds the text "No expiration date" if the current AIMMS license has no expiration date.

See also:

The procedures [LicenseStartDate](#), [LicenseMaintenanceExpirationDate](#).

LicenseMaintenanceExpirationDate

The procedure `LicenseMaintenanceExpirationDate` returns the maintenance expiration date of the current AIMMS license.

```
LicenseMaintenanceExpirationDate(  
    date    ! (output) a scalar string parameter  
)
```

Arguments:

date

A scalar string parameter that, on return, contains the maintenance expiration date of the current AIMMS license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The date returned by the procedure has the standard date format "YYYY-MM-DD", or holds the text "No maintenance expiration date" if the current AIMMS license has no maintenance expiration date.

See also:

The procedures [LicenseStartDate](#), [LicenseExpirationDate](#).

LicenseNumber

The procedure `LicenseNumber` returns the license number of the current AIMMS license.

```
LicenseNumber(  
    license    ! (output) a scalar string parameter  
)
```

Arguments:

license

A scalar string parameter that, on return, contains the current license number.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The procedure will return the license number as a string of the form “015.090.010.007” if you are using an AIMMS 3 license, or as a string of the form “1234.56” if you are using an AIMMS 2 license.

See also:

The procedure [LicenseType](#).

LicenseStartDate

The procedure `LicenseStartDate` returns the start date of the current AIMMS license.

```
LicenseStartDate(  
    date    ! (output) a scalar string parameter  
)
```

Arguments:

date

A scalar string parameter that, on return, contains the start date of the current AIMMS license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The date returned by the procedure has the standard date format "YYYY-MM-DD", or holds the text "No start date" if the current AIMMS license has no start date.

See also:

The procedures [LicenseExpirationDate](#), [LicenseMaintenanceExpirationDate](#).

LicenseType

The procedure `LicenseType` returns the type and size of the current AIMMS license.

```
LicenseType(  
    type,    ! (output) a scalar string parameter  
    size     ! (output) a scalar string parameter  
)
```

Arguments:

type

A scalar string parameter that, on return, contains the type of the current license.

size

A scalar string parameter that, on return, contains the size of the current license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

Upon success, the *type* argument contains the license type description (e.g. "Economy") and the *size* argument contains a description of the license size (e.g. "Large").

See also:

The procedure [LicenseNumber](#).

VARLicenseCreate

The procedure VARLicenseCreate returns the expiration date of a particular VAR license file.

```
VARLicenseCreate(  
  filename          ! (input) a string expression  
  license_number    ! (input) a string expression  
  module_code       ! (input) a numeric expression  
  userdata          ! (optional, default: "") a string expression  
  expiration_date   ! (optional, default: 0) a numeric expression  
  days_left_warning ! (optional, default: 7) a numeric expression  
  number_of_users   ! (optional, default: 1) a numeric expression  
  is_network        ! (optional, default: 0) a numeric expression  
)
```

Arguments:

filename

The name of the VAR license file you want to create.

license_number

A license number of the form "015.090.010.007".

module_code

The module code for which you want to create the VAR license.

userdata

Any user data that you want to add to the VAR license.

expiration_date

The expiration date of the VAR license in the form YYYYMMDD.

days_left_warning

The number of days prior to the expiration date when AIMMS will start warning about the expiration of the VAR license.

number_of_users

The number of allowed users.

is_network

Indicates whether the VAR license is a network license or a single user license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The arguments of this procedure match the fields in the **VAR License Manager** dialog box discussed in Section 21.2 of the User's Guide.

See also:

The procedure [LicenseStartDate](#). VAR licensing is discussed in more detail in Section [21.2](#) of the User's Guide.

VARLicenseExpirationDate

The procedure VARLicenseExpirationDate returns the expiration date of a particular VAR license file.

```
VARLicenseExpirationDate(  
    filename ! (input) a scalar string expression  
    date     ! (output) a scalar string parameter  
)
```

Arguments:

filename

The name of the VAR license whose expiration date you want to retrieve.

date

A scalar string parameter that, on return, contains the expiration date of the specified VAR license.

Return value:

The procedure returns 1 on success, and 0 on failure.

Remarks:

The date returned by the procedure has the standard date format "YYYY-MM-DD", or holds the text "No expiration date" if the specified VAR license has no expiration date.

See also:

The procedures [LicenseStartDate](#), [VARLicenseCreate](#). VAR licensing is discussed in more detail in Section [21.2](#) of the User's Guide.