

Migración a versión 2 (3.2.2.17)

Desde versión 1 (3.2.1.34)



Se contempla la migración desde la versión **3.2.1.34** a la versión **3.2.2.17**
Documentación de versión 3.2.1.34:

[Log de cambios Versión 3.2.1.32](#)

Incluye pasos de migración y log de cambios de versiones 3.2.1.32 - 3.2.1.33 - 3.2.1.34

Después de actualizar los archivos de Software y los sitios, realizar las siguientes actualizaciones de base de datos con el SetupBox¹⁾.

Nuevo!

Función para verificación en un solo paso de archivos cfg²⁾, tablas y actualizaciones de versión.

- 1. En SetupBox > Módulos > Común

Para la versión 3.2.2.17 se deben instalar las siguientes actualizaciones:

ServicePack_1 Copy Email
ServicePack_2 MDInterfaceType and SDNotifyTypeEvent Upgrade
ServicePack_3 PBI graphic type.survey mode type, model interface and copy, User Creator

- Dar clic en **Check Upgrade**

STATUS	VERSION	COMERCIAL	CERTI...	BUILD	RE...	DATE	DETAIL
Pending	2	2020 Q1	3.2	14	True	22/04/2020	ServicePack_1 Copy Email
Pending	2	2020 Q1	3.2	15	True	7/05/2020	ServicePack_2 MDInterfaceType an...
Pending	2	2020 Q1	3.2	16	True	14/05/2020	ServicePack_3 PBI graphic type.surv...

- Para actualizar la versión en base de datos:
Dar clic en **Apply Upgrade**.



- Habilitar la casilla **Full Update** para incluir los pasos de verificación de archivos .cfg y tablas/campos
- En caso de no activar la casilla **Full Update** se van a realizar unicamente las actualizaciones de versión pendientes

Explorador Nodo

Settings License
..Módulos\Común

Upgrde Options

Full Update

Maintenance

Ver Msg Comunic

STATUS	VERSION	COMERCIAL	CERTI...	BUILD	RE...	DATE	DETAIL
Pending	2	2020 Q1	3.2	14	True	22/04/2020	ServicePack_1 Copy Email
Pending	2	2020 Q1	3.2	15	True	7/05/2020	ServicePack_2 MDInterfaceType an...
Pending	2	2020 Q1	3.2	16	True	14/05/2020	ServicePack_3 PBI graphic type.surv...

Mensaje

If you want to update you must generate internal and config sql and verify the bdd; Do you want to continue?

Se generará resultado de las operaciones y se indicará si fue correcta o no la actualización:

Explorador Nodo

Settings License
..Módulos\Común

Upgrade Options

Full Update

Maintenance

Ver Msg Comunic

STATUS	VERSION	COMERCIAL	CERTI...	BUILD	RE...	DATE	DETAIL
Apply	2	2020 Q1	3.2	14	True	22/04/2020	ServicePack_1 Copy Email
Apply	2	2020 Q1	3.2	15	True	7/05/2020	ServicePack_2 MDInterface Type an...
Apply	2	2020 Q1	3.2	16	True	14/05/2020	ServicePack_3 PBI graphic type.surv...


```

----- Build BDD -----
Generate:Common
Generate:SetupBox
Generate:DataLink
Generate:CMDB
Generate:Atis
Generate:DRobot
Generate:Demo
Generate:CIExtraTable
Generate:ServiceExtraTable
Generate:BaseLine

----- Verify BDD -----
Create BDD:Common
Create BDD:SetupBox
Create BDD:DataLink
Create BDD:CMDB
Create BDD:Atis
Create BDD:DRobot
Create BDD:Demo
Create:CIExtraTable
Create:ServiceExtraTable

```

Resumen de verificación y actualización de los service pack

```

----- Build BDD -----
Generate:Common
Generate:SetupBox
Generate:DataLink
Generate:CMDB
Generate:Atis
Generate:DRobot
Generate:Demo
Generate:CIExtraTable
Generate:ServiceExtraTable
Generate:BaseLine

----- Verify BDD -----
Create BDD:Common
Create BDD:SetupBox
Create BDD:DataLink
Create BDD:CMDB
Create BDD:Atis
Create BDD:DRobot
Create BDD:Demo
Create:CIExtraTable

```

```

Create:ServiceExtraTable
Create:BaseLine
-- Interno Service Prefix[Common] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[SetupBox] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[DataLink] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[CMDB] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[Atis] BDD[mdf] --
YES      NEW_COLUMN      TABLE:SDCASE      FIELD:CASE_DESCRIPTION_BA
SQL:ALTER TABLE SDCASE ADD [CASE_DESCRIPTION_BA]VARBINARY(MAX)
YES      NEW_COLUMN      TABLE:MDMODELTPED      FIELD:IDMDINTERFACE
SQL:ALTER TABLE MDMODELTPED ADD [IDMDINTERFACE]INTEGER, CONSTRAINT
IDMDMODELTPED6 FOREIGN KEY ([IDMDINTERFACE]) REFERENCES
MDINTERFACE([IDMDINTERFACE])
YES      NEW_COLUMN      TABLE:MDMODELTPED      FIELD:MT_IDATROLE
SQL:ALTER TABLE MDMODELTPED ADD [MT_IDATROLE]INTEGER
YES      NEW_COLUMN      TABLE:MDMODELTPED      FIELD:ET_IDATROLE
SQL:ALTER TABLE MDMODELTPED ADD [ET_IDATROLE]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUS      FIELD:LS_IDSURVEY
SQL:ALTER TABLE MDLIFESTATUS ADD [LS_IDSURVEY]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUS      FIELD:LS_EXPIRATIONTIME
SQL:ALTER TABLE MDLIFESTATUS ADD [LS_EXPIRATIONTIME]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUS      FIELD:LS_GOTONEXTSTEP
SQL:ALTER TABLE MDLIFESTATUS ADD [LS_GOTONEXTSTEP]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUS
FIELD:LS_SURVEYWINNER_GOTONEXTSTEP      SQL:ALTER TABLE MDLIFESTATUS ADD
[LS_SURVEYWINNER_GOTONEXTSTEP]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUS      FIELD:LS_EXTRAOPTIONS
SQL:ALTER TABLE MDLIFESTATUS ADD [LS_EXTRAOPTIONS]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUS      FIELD:LS_IDATROLE
SQL:ALTER TABLE MDLIFESTATUS ADD [LS_IDATROLE]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUSYPEUSER
FIELD:IDSURVEYMODETYPE      SQL:ALTER TABLE MDLIFESTATUSYPEUSER ADD
[IDSURVEYMODETYPE]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUSYPEUSER
FIELD:SURVEYVIEW      SQL:ALTER TABLE MDLIFESTATUSYPEUSER ADD
[SURVEYVIEW]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUSYPEUSER
FIELD:LSTU_IDATROLE      SQL:ALTER TABLE MDLIFESTATUSYPEUSER ADD
[LSTU_IDATROLE]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUSSTEXTRAFIELDS
FIELD:LSEFST_EXTRAOPTION_SCRIPT      SQL:ALTER TABLE
MDLIFESTATUSSTEXTRAFIELDS ADD [LSEFST_EXTRAOPTION_SCRIPT]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUSSTEXTRAFIELDS
FIELD:LSEFST_INDEX      SQL:ALTER TABLE MDLIFESTATUSSTEXTRAFIELDS ADD
[LSEFST_INDEX]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUSSTEXTRAFIELDS
FIELD:LSEFST_HELP      SQL:ALTER TABLE MDLIFESTATUSSTEXTRAFIELDS ADD

```

```

[LSEFST_HELP]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUSCIEXTRAFIELDS
FIELD:LSEFCI_EXTRAOPTION_SCRIPT      SQL:ALTER TABLE
MDLIFESTATUSCIEXTRAFIELDS ADD [LSEFCI_EXTRAOPTION_SCRIPT]TEXT
YES      NEW_COLUMN      TABLE:MDLIFESTATUSCIEXTRAFIELDS
FIELD:LSEFCI_INDEX      SQL:ALTER TABLE MDLIFESTATUSCIEXTRAFIELDS ADD
[LSEFCI_INDEX]INTEGER
YES      NEW_COLUMN      TABLE:MDLIFESTATUSCIEXTRAFIELDS
FIELD:LSEFCI_HELP      SQL:ALTER TABLE MDLIFESTATUSCIEXTRAFIELDS ADD
[LSEFCI_HELP]TEXT
YES      NEW_COLUMN      TABLE:MDCASESTEXTRAFIELDS
FIELD:CASESTEF_EXTRAOPTION_SCRIPT      SQL:ALTER TABLE
MDCASESTEXTRAFIELDS ADD [CASESTEF_EXTRAOPTION_SCRIPT]TEXT
YES      NEW_COLUMN      TABLE:MDCASESTEXTRAFIELDS
FIELD:CASESTEF_INDEX      SQL:ALTER TABLE MDCASESTEXTRAFIELDS ADD
[CASESTEF_INDEX]INTEGER
YES      NEW_COLUMN      TABLE:MDCASESTEXTRAFIELDS
FIELD:CASESTEF_HELP      SQL:ALTER TABLE MDCASESTEXTRAFIELDS ADD
[CASESTEF_HELP]TEXT
YES      NEW_COLUMN      TABLE:GPVIEW      FIELD:GPVIEW_FILTERCF
SQL:ALTER TABLE GPVIEW ADD [GPVIEW_FILTERCF]TEXT
YES      NEW_COLUMN      TABLE:ATROLE      FIELD:ATROLETYPE
SQL:ALTER TABLE ATROLE ADD [ATROLETYPE]INT
YES      NEW_COLUMN      TABLE:EV_EMAIL_SDCASE
FIELD:EMAIL_BODYTEXT_BA      SQL:ALTER TABLE EV_EMAIL_SDCASE ADD
[EMAIL_BODYTEXT_BA]VARBINARY(MAX)
YES      NEW_COLUMN      TABLE:SURVEYDATA
FIELD:IDSURVEYOPTION_WINNER      SQL:ALTER TABLE SURVEYDATA ADD
[IDSURVEYOPTION_WINNER]INTEGER
YES      NEW_TABLE      TABLE:SURVEYMODETYPE      FIELD:IDSURVEYMODETYPE
SQL:CREATE TABLE SURVEYMODETYPE (([IDSURVEYMODETYPE]INTEGER)
YES      NEW_COLUMN      TABLE:SURVEYMODETYPE
FIELD:SURVEYMODETYPENAME      SQL:ALTER TABLE SURVEYMODETYPE ADD
[SURVEYMODETYPENAME]VARCHAR(50)
YES      NEW_TABLE      TABLE:MODULECODETYPE      FIELD:IDMODULECODETYPE
SQL:CREATE TABLE MODULECODETYPE (([IDMODULECODETYPE]INTEGER, CONSTRAINT
IDMODULECODETYPE1 UNIQUE ([IDMODULECODETYPE]))
YES      NEW_COLUMN      TABLE:MODULECODETYPE
FIELD:MODULECODETYPE_NAME      SQL:ALTER TABLE MODULECODETYPE ADD
[MODULECODETYPE_NAME]VARCHAR(50)
YES      NEW_COLUMN      TABLE:MODULECODETYPE      FIELD:MODULECODE_MODE
SQL:ALTER TABLE MODULECODETYPE ADD [MODULECODE_MODE]INTEGER
YES      NEW_COLUMN      TABLE:MODULECODETYPE      FIELD:IDSYSTEMSTATUS
SQL:ALTER TABLE MODULECODETYPE ADD [IDSYSTEMSTATUS]INTEGER
YES      NEW_TABLE      TABLE:MODULECODEMANAGER
FIELD:IDMODULECODEMANAGER      SQL:CREATE TABLE MODULECODEMANAGER
([IDMODULECODEMANAGER]INTEGER IDENTITY(1,1), CONSTRAINT
IDMODULECODEMANAGER1 UNIQUE ([IDMODULECODEMANAGER]))
YES      NEW_COLUMN      TABLE:MODULECODEMANAGER
FIELD:IDMODULECODETYPE      SQL:ALTER TABLE MODULECODEMANAGER ADD
[IDMODULECODETYPE]INTEGER, CONSTRAINT IDMODULECODEMANAGER2 FOREIGN KEY

```

```

([IDMODULECODETYPE]) REFERENCES MODULECODETYPE([IDMODULECODETYPE])
YES      NEW_COLUMN      TABLE:MODULECODEMANAGER      FIELD:IDMODULECODE
SQL:ALTER TABLE MODULECODEMANAGER ADD [IDMODULECODE]INTEGER
YES      NEW_COLUMN      TABLE:MODULECODEMANAGER      FIELD:MODULECODE
SQL:ALTER TABLE MODULECODEMANAGER ADD [MODULECODE]TEXT
YES      NEW_COLUMN      TABLE:MODULECODEMANAGER      FIELD:LASTUPGRADE
SQL:ALTER TABLE MODULECODEMANAGER ADD [LASTUPGRADE]DATETIME
YES      NEW_COLUMN      TABLE:PBITEMPLATECELLGRAPHIC
FIELD:CELLGRAPHIC_EXTRAPARAM      SQL:ALTER TABLE PBITEMPLATECELLGRAPHIC
ADD [CELLGRAPHIC_EXTRAPARAM]TEXT
YES      NEW_COLUMN      TABLE:PBITEMPLATECELLGRAPHIC
FIELD:CELLGRAPHIC_SUBTYPEGRAPHIC      SQL:ALTER TABLE
PBITEMPLATECELLGRAPHIC ADD [CELLGRAPHIC_SUBTYPEGRAPHIC]INTEGER
-- Interno Service Prefix[DRobot] BDD[mdf] --
YES      NEW_COLUMN      TABLE:DREMAILNEWCASEDETAIL      FIELD:COPYEMAIL
SQL:ALTER TABLE DREMAILNEWCASEDETAIL ADD [COPYEMAIL]BIT
-- Interno Service Prefix[Demo] BDD[mdf] --
YES      NEW_TABLE      TABLE:DMVARBINARY      FIELD:IDDMVARBINARY
SQL:CREATE TABLE DMVARBINARY ([IDDMVARBINARY]INTEGER IDENTITY(1,1),
CONSTRAINT IDDMVARBINARY1 UNIQUE ([IDDMVARBINARY]))
YES      NEW_COLUMN      TABLE:DMVARBINARY      FIELD:VARBINARY
SQL:ALTER TABLE DMVARBINARY ADD [VARBINARY]VARBINARY(MAX)
-- Interno Service Prefix[CMDB_EF] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[ST] BDD[mdf] --
changes were not in the database.
-- Interno Service Prefix[BL] BDD[mdf] --
changes were not in the database.

```

```

----- apply service pack -----
Persistence.ITHC.Properties+TITHCVERSION_Persistence.ITHC.Properties+TI
THCVERSIONBUILD OK
Persistence.ITHC.Properties+TITHCVERSION_Persistence.ITHC.Properties+TI
THCVERSIONBUILD OK
Persistence.ITHC.Properties+TITHCVERSION_Persistence.ITHC.Properties+TI
THCVERSIONBUILD OK

```

UpGrade Service pack completed
Service OK: 3
Service Error: 0

```

----- Upgrade Model -----
Result Model 1: True
Result Model 2: True
Result Model 3: True
Result Model 5: True
Result Model 7: True

```

Verificación de Services Pack en base de datos

SELECT * FROM ITHCVERSION

SELECT * FROM ITHCVERSIONBUILD

IDITHCVERSION	VERSIONCOMERCIAL	VERSIONCERTIFICATION
1	2019 Q3	3.2
2	2020 Q1	3.2

IDITHCVERSIONBUILD	IDITHCVERSION	BUILDRELEASE	BUILDDATE	BUILDDDETAIL
1	1	1	2019-10-15 00:00:00.000	Release
2	1	1	2019-12-09 00:00:00.000	ServicePack1 ATMODULE add Survey
3	1	1	2019-12-09 00:00:00.000	ServicePack2 Keep Users Transferd
4	2	1	2020-04-22 00:00:00.000	ServicePack_1 Copy Email
5	2	1	2020-05-07 00:00:00.000	ServicePack_2 MDInterfaceType and SDNotifyTypeEvent Upgrade
6	2	1	2020-05-14 00:00:00.000	ServicePack_3 PBI graphic type,survey mode type, model interface and copy, User Creator

- Consultas ejecutadas automáticamente con las 3 actualizaciones:

```

UPDATE DREMAILNEWCASEDETAIL SET DREMAILNEWCASEDETAIL.COPYEMAIL=0
WHERE DREMAILNEWCASEDETAIL.COPYEMAIL IS NULL

INSERT INTO ITHCVERSION(IDITHCVERSION, VERSIONCOMERCIAL,
VERSIONCERTIFICATION) VALUES (2, '2020 Q1', '3.2')
INSERT INTO ITHCVERSIONBUILD(IDITHCVERSIONBUILD, IDITHCVERSION,
BUILDRELEASE, BUILDDATE, BUILDDDETAIL) VALUES (14, 2, -1, '12:00:00 am
04/22/2020', 'ServicePack_1 Copy Email')

UPDATE MDINTERFACETYPE SET INTERFACETYPE_NAME = 'None' WHERE
IDMDINTERFACETYPE=0;
UPDATE MDINTERFACETYPE SET INTERFACETYPE_NAME = 'Attention reports'
WHERE IDMDINTERFACETYPE=1;
UPDATE MDINTERFACETYPE SET INTERFACETYPE_NAME = 'Model' WHERE
IDMDINTERFACETYPE=2;
UPDATE MDINTERFACETYPE SET INTERFACETYPE_NAME = 'Model Life Status Extra
Table' WHERE IDMDINTERFACETYPE=3;

SELECT MAX(IDSDNOTIFYTYPEEVENT) MAX FROM SDNOTIFYTYPEPEVENT
INSERT INTO SDNOTIFYTYPEPEVENT(IDSDNOTIFYTYPEEVENT,TYPEEVENTNAME) VALUES
(11, 'Emply')
INSERT INTO SDNOTIFYTYPEPEVENT(IDSDNOTIFYTYPEEVENT,TYPEEVENTNAME) VALUES
(12, 'Emply')

UPDATE SDNOTIFYTYPEPEVENT SET TYPEEVENTNAME = 'E Handler Posed Scale'
WHERE IDSDNOTIFYTYPEPEVENT=1;
UPDATE SDNOTIFYTYPEPEVENT SET TYPEEVENTNAME = 'E Manager Informed Posed
Scale' WHERE IDSDNOTIFYTYPEPEVENT=2;
UPDATE SDNOTIFYTYPEPEVENT SET TYPEEVENTNAME = 'I Change Information'
    
```

```
WHERE IDSDNOTIFYTYPEEVENT=3;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='B Starts Attention' WHERE
IDSDNOTIFYTYPEEVENT=4;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='A New Attachments' WHERE
IDSDNOTIFYTYPEEVENT=5;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='0 Observation' WHERE
IDSDNOTIFYTYPEEVENT=6;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='SP Status Paused' WHERE
IDSDNOTIFYTYPEEVENT=7;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='SCL Status Closed' WHERE
IDSDNOTIFYTYPEEVENT=8;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='SCN Status Cancelled'
WHERE IDSDNOTIFYTYPEEVENT=9;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='SIP Status InProgress'
WHERE IDSDNOTIFYTYPEEVENT=10;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='E Handler Trasfer Deposited
Scale' WHERE IDSDNOTIFYTYPEEVENT=11;
UPDATE SDNOTIFYTYPEEVENT SET TYPEEVENTNAME ='E Manager Informed Deposited
Scale' WHERE IDSDNOTIFYTYPEEVENT=12;

INSERT INTO ITHCVERSION(IDITHCVERSION, VERSIONCOMERCIAL,
VERSIONCERTIFICATION) Values (2, '2020 Q1', '3.2')
INSERT INTO ITHCVERSIONBUILD(IDITHCVERSIONBUILD, IDITHCVERSION,
BUILDRELEASE, BUILDDATE, BUILDDetail) VALUES (15, 2, -1, '12:00:00 am
05/07/2020', 'ServicePack_2 MDInterfaceType and SDNotifyTypeEvent
Upgrade')

SELECT * FROM PBIGRAPHICTYPE WHERE IDPBIGRAPHICTYPE=9
INSERT INTO PBIGRAPHICTYPE(GRAPHIC_NAME,GRAPHIC_DESCRIPTION) VALUES
('Gauge', 'Graphic Gauge')

SELECT * FROM SURVEYMODETYPE
INSERT INTO SURVEYMODETYPE VALUES (0, 'None'), (1, 'View'), (2,
'Manager'), (3, 'Voter'), (4, 'Observer')

UPDATE MDMODELTYPE SET ET_IDATROLE=0 WHERE ET_IDATROLE=null;
UPDATE MDMODELTYPE SET MT_IDATROLE=0 WHERE MT_IDATROLE=null;
UPDATE MDLIFESTATUS SET LS_IDATROLE=0 WHERE LS_IDATROLE=null;
UPDATE MDLIFESTATUSSETYPEUSER SET LSTU_IDATROLE=0 WHERE
LSTU_IDATROLE=null;
SELECT
MDLIFESTATUSSTEXTRATABLE.IDMDLIFESTATUSSTEXTRATABLE,MDLIFESTATUS.IDMDLI
FESTATUS AS IDMDLIFESTATUS1,MDLIFESTATUSSTEXTRATABLE.IDMDLIFESTATUS AS
IDMDLIFESTATUS2 FROM
MDLIFESTATUSSETYPEUSER,MDLIFESTATUS,MDLIFESTATUSSTEXTRATABLE WHERE
MDLIFESTATUSSETYPEUSER.IDMDLIFESTATUS=MDLIFESTATUS.IDMDLIFESTATUS AND
MDLIFESTATUSSETYPEUSER.IDMDLIFESTATUSSETYPEUSER =
MDLIFESTATUSSTEXTRATABLE.IDMDLIFESTATUSSETYPEUSER AND
MDLIFESTATUSSTEXTRATABLE.IDMDLIFESTATUS != MDLIFESTATUS.IDMDLIFESTATUS

INSERT INTO ITHCVERSION(IDITHCVERSION, VERSIONCOMERCIAL,
```



```
VERSIONCERTIFICATION) VALUES (2, '2020 Q1', '3.2')
SELECT IDSDTYPEUSER FROM SDTYPEUSER WHERE SDTYPEUSER.TYPEUSERNAME
='Creator'
INSERT INTO ITHCVERSIONBUILD(IDITHCVERSIONBUILD, IDITHCVERSION,
BUILDRELEASE, BUILDDATE, BUILDDETAIL) Values (16, 2, -1, '12:00:00 am
05/14/2020', 'ServicePack_3 PBI graphic type,survey mode type, model
interface and copy, User Creator')
```

1)

Modulo para administrar conexión con motor de base de datos

2)

Archivos propios de configuración del sistema

From:

<http://leverit.com/ithelpcenter/> - **IT Help Center**

Permanent link:

http://leverit.com/ithelpcenter/es:versiones:migracion_ver2

Last update: **2020/09/16 20:33**

