



What's New
Get Upgrade Queries
V2.17.07.0



Workforce Management Solutions
Securing your time and resources

This document is a listing of the changes made to the Get Upgrade Queries database update application. Please take careful notice of the items highlighted in yellow.

IMPORTANT:

Only use V2.17.07.0 when the entire site has been upgraded to V2.17.07.0 including the Controller Interface V2.17.07.0 and XTUpgrade V2.17.07.0. This version will not function correctly with previous versions older than V2.17.01.0.

V2.17.07.0

47714:178756

WL_CHANGED_BY corrected to WF_CHANGED_BY

V2.17.04.3

47608:176912

Weighbridge Phase 1

V2.17.04.1

47714:177218

Add Holiday category

V2.17.04.0

47025:175011

LMS and Schauenburg views added to the database

47015:176265

Certificate start date added to card design

46592:176281

Added fields to WFAuditHistory and WFPayHistory

46334:172747

Tables and fields added for Employee and visitor required equipment

46333:172297

Tables and fields added for visitor equipment

45607:169673 Morpho Face Recognition

Sagem Morpho facial recognition has been added to the XTime Suite

2.17.01.2

37646:168211 Force Create Main parameter removed

This parameter has been removed due to the possibility of erasing a live database. The force create parameter would delete an existing database and recreate a new empty database. This parameter was a development override but is no longer required.



37646:167820 Progress bar of database upgrade based on executable script count

We had made the GUI more user friendly.

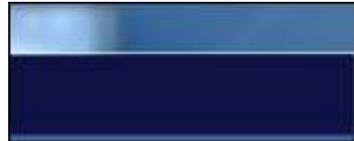
While the database check is happening, there is a progress bar:



When upgrading the database there is a progress bar and query count while the queries are executing:



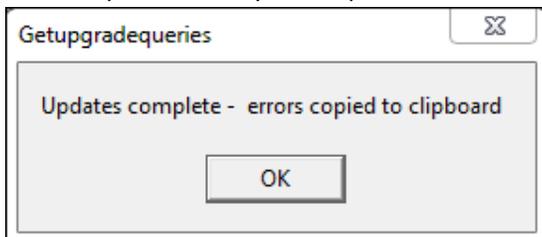
Also, the get upgrade queries window cannot be closed while executing the queries to stop accidental interruption of the queries and database corruption.



A pop up indicates that the upgrade is complete without errors;



And complete with any failed queries are listed in the window:



There is then a yellow memo showing all the errors. The window is split in 2 with all the messages in white at the top for the successful queries and all the errors (if any) in yellow at the bottom. This is much easier to see than having to scroll down a very long list to try and determine if there are errors or not.

```
Update EVENTTYPE SET ET_DISPMMSG = 'ExcessOvt' where ET_CODEID = 84
GO
Success
ALTER TABLE DBO.EMPLOYEE ADD
CONSTRAINT
FK_EMPLOYEE_HRDEPARTMENT
FOREIGN KEY (HRD_CODEID)
REFERENCES HRDEPARTMENT
(HRD_CODEID)
eeeeeeeee
GO
Failure
SQL Server Error: SQL State: 1, SQL Error Code: 102, Level: 15, Procedure: , Line: 2
Incorrect syntax near 'eeeeeeeee'.
```

The errors are automatically in the clipboard so that the user can then paste them somewhere if they want to. They are also written into the log file between the lines **START GUP Errors** and **END GUP Errors** as shown below:

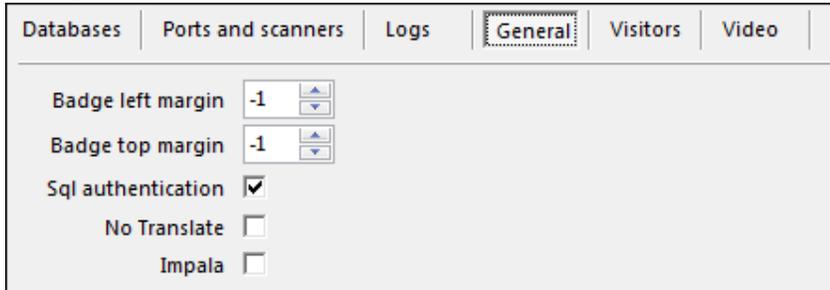
```

-----
22/02/2017 23:35:20.063 TID=4952 Start GUP errors .....
22/02/2017 23:35:20.063 TID=4952 ALTER TABLE DBO.EMPLOYEE ADD
22/02/2017 23:35:20.063 TID=4952 CONSTRAINT
22/02/2017 23:35:20.063 TID=4952 FK_EMPLOYEE_HRDEPARTMENT
22/02/2017 23:35:20.063 TID=4952 FOREIGN KEY (HRD_CODEID)
22/02/2017 23:35:20.063 TID=4952 REFERENCES HRDEPARTMENT
22/02/2017 23:35:20.063 TID=4952 (HRD_CODEID)
22/02/2017 23:35:20.063 TID=4952 eeeeeeeeee
22/02/2017 23:35:20.063 TID=4952 GO
22/02/2017 23:35:20.063 TID=4952 Failure
22/02/2017 23:35:20.063 TID=4952 SQL Server Error: SQL State: 1, SQL Error Code: 102, Level: 15, Procedure: , Line: 2
-----

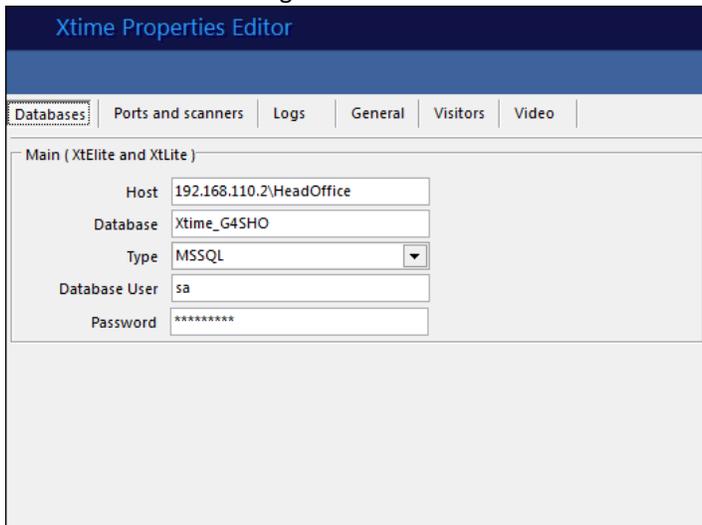
```

37646:174394 Properties files clean-up

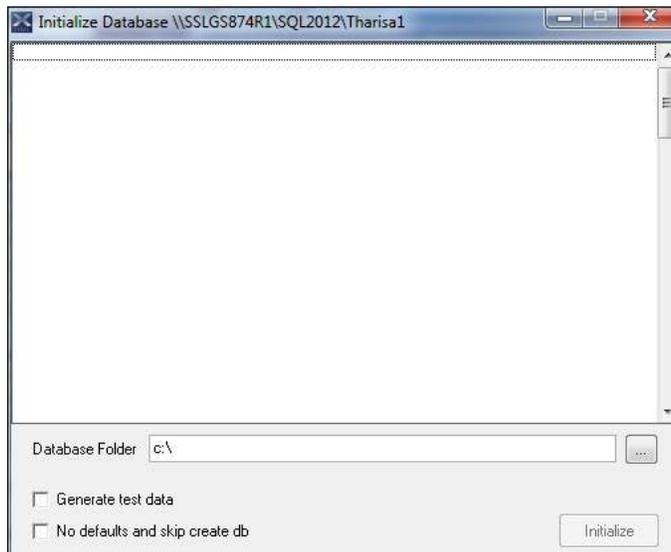
- Right align the labels of the properties editor.



- Remove the clock engines tab and the additional DB connection strings on the databases tab.



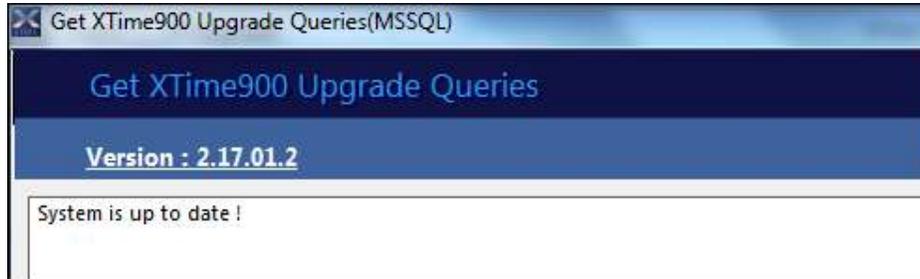
- Remove the edit buttons from the Initialise DB screen



2.17.01.1

46655:173512 Check triggers not updated to corrections when updating the database

The “Check All Triggers, Keys and Indexes” has not been updated along with the changes on the Upgrade Main database. With the result is the Check triggers changes the affected items back to the old ones, then the upgrade Main updates them to the altered ones. This has been rectified and the “Check All Triggers, Keys and Indexes” now gets updated automatically with the Main updates.



2.17.01.0

45488: 2017-01 Major Release

New style auditing – triggers on tables

Token development

2.16.10.6

Training module field length adjustment

2.16.10.5

Version alignment

2.16.10.4

44734:167475 Exception number stored proc

A new way of ensuring unique exception pages numbers by means of a stored procedure.

2.16.10.3

44730:166169 Employee additional information tab 1 fields added to Card design

Custom development required that certain employee additional information fields were added to the card design table.

44730:166169 Employee additional information tab 1 fields added to Gensync XTEmpImport

Custom development – additional information fields will be populated by the GenSync.

V2.15.10.2

Patch release version alignment

V2.16.10.1

44393:166363 Triggers added for Clock Reason Restrict

There were no triggers on the employee and clockpoint tables to enable updates for the clock reason feature.

V2.16.10.0

44040:163046 Parade Categories

Parades have 10 available categories that allows users to give priority to parades.

43606:161617 Remove orphan records and add missing foreign keys

Some records were not being taken into account when the employees were cleaned up by the batch. This would leave MST_SQ records on the database that did not belong to anyone. Foreign keys have been added to stop an employee record from being deleted if there are still foreign records linked to it.

43311:161584 Corrected Spelling of Denied Certificate Event Types

Incorrect spelling

38670:160223 Added Sagem MA Sigma (Legacy) unit type to terminal

New hardware type added to the terminal type list

30947:159181 Bio.Valid properties entry moved to System Params | Access

The bio.valid parameter can now be set under system parameters

30947: Added ID Number and Employee Number to Schauenburg View

V2.16.06.5

43031:158555 Schauenburg Interface expansion

Additional configurable clock event types were added to the database.

V2.16.06.403

43704:161738 Date of Issue added to CardFields

Custom development request

V2.16.06.4

42735:157308 Fix syntax of BATCHSTATUS primary key query

A spelling error on a query to add a primary key on the BATCHSTATUS table caused it to fail.

V2.16.06.3

31684:157702 Selective Fingerprint Uploads

A new table called FINGERUPLOADS has been added for the selective finger uploads development. Only fingerprints of tagholders that have access to a clockpoint are sent to the readers of that clockpoint. This is in an effort to save space on the readers for very large sites that use finger only clocking.

The EmployeeUpdate trigger has been updated to accommodate the selective fingerprint uploads.

V2.16.06.2

40242:157827 Extended leave fields

This is custom development for a client that wishes to keep track of deleted leave records. This required additional fields on the leave table:

 ELVE_IDENTIFIER (int, not null)
 ELVE_INFO (varchar(100), null)
 ELVE_INSDATE (datetime, null)
 ELVE_DAYS (smallint, null)

V2.16.06.1

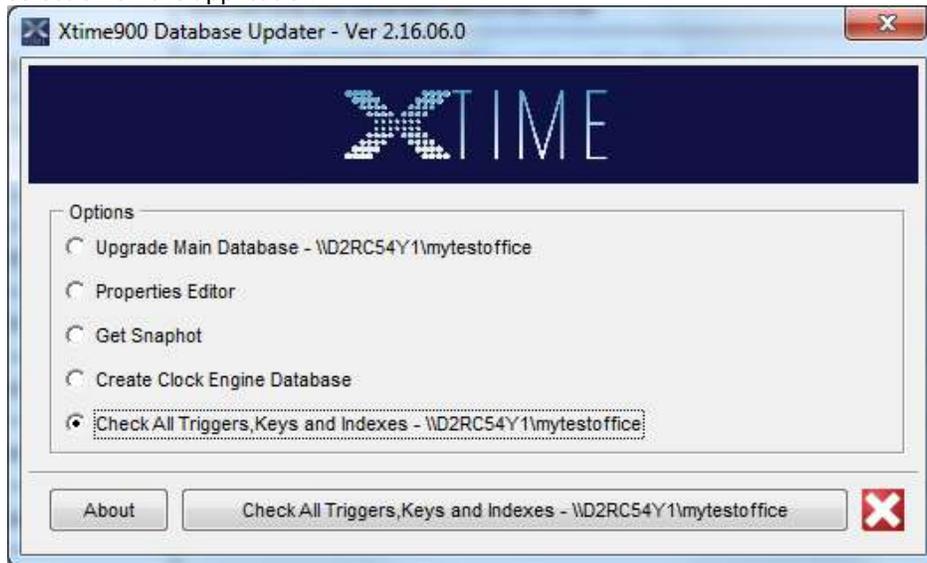
42780:157533 Primary key added to the System Parameters table

We have had a client report that the system parameters table values are duplicated. We are unable to replicate this occurrence but have added a primary key to the table to prevent duplicates from occurring again.

V2.16.06.0

37646:134382 Check indexes, triggers, Primary and foreign keys

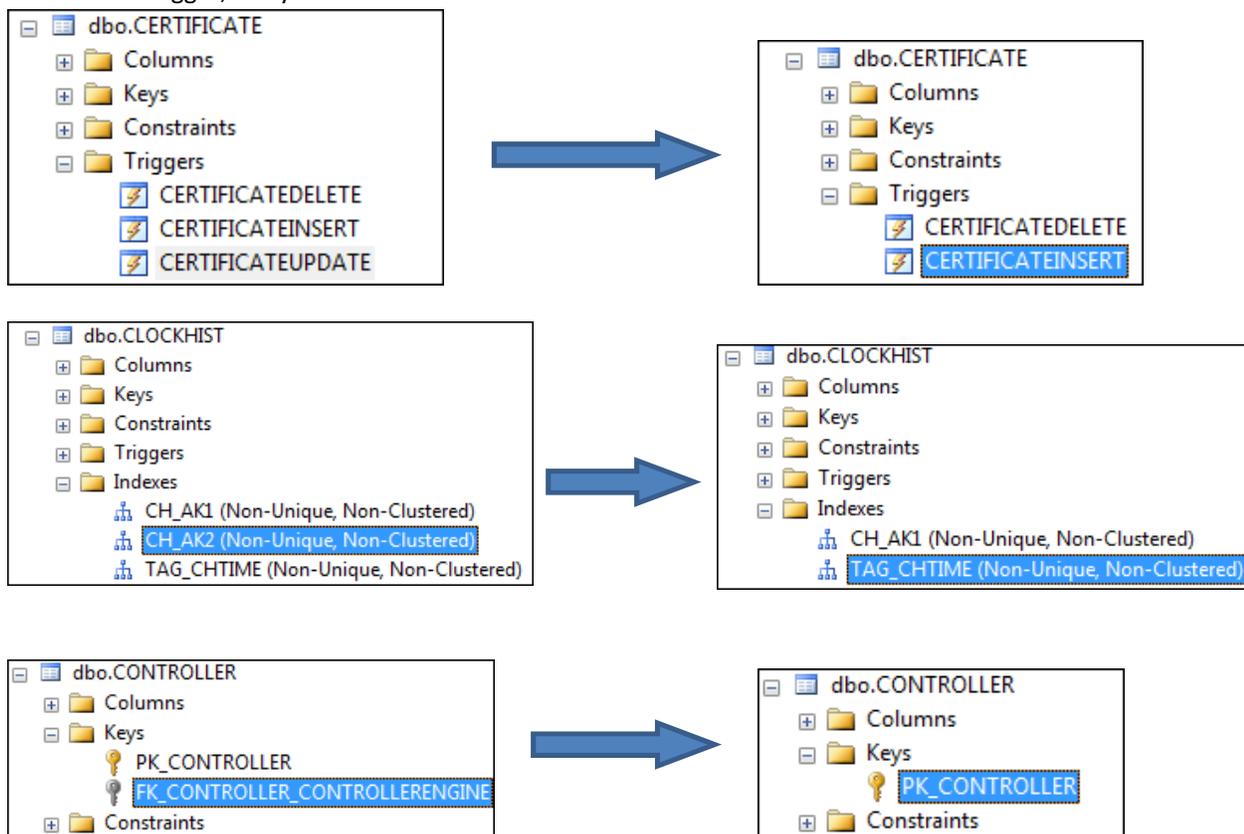
We have enhanced the Get Upgrade Queries application to do integrity checking on the database. There is a new selection on the application:



When this option is selected, all the Triggers, Primary and Foreign Keys and Indexes that should be on the XTime database are checked.

EXAMPLE:

I removed a trigger, a key and an index from the DB:



I then ran the check option from Get Upgrade Queries. The queries to create the missing items are displayed and are ready to be run. To run the items, simply click the run button as normal when upgrading the database on an upgrade. These queries are not run automatically.

Executing queries

```
CREATE TRIGGER CERTIFICATEUPDATE
ON CERTIFICATE
for UPDATE as
BEGIN
    Insert Into ENGINEINTERFACE
        (EI_TIME,EI_TABLE,EI_TRAN,EI_KEY)
        (select GetDate(),'CERTIFICATE','U',CRT_CODEID from INSERTED);
END;
GO

CREATE INDEX CH_AK2 ON CLOCKHIST (CH_TIME,MST_SQ)
GO

ALTER TABLE CONTROLLER ADD CONSTRAINT FK_CONTROLLER_CE_CODEID FOREIGN KEY (CE_CODEID) REFERENCES
CONTROLLERENGINE(CE_CODEID)
GO
```

NOTE:

Depending on the data in the database, the keys might fail should there already be duplicates in the table. This should be resolved so that the keys can be added back to the database. All triggers, keys and indexes are there for a reason and ensure that the system runs at an optimum level. When items like these are removed, the system can become unstable and things might not work as they should.

***** END OF DOCUMENT *****