Vitalware Documentation

Release Notes: Vitalware 2.5

Document Version 1

Vitalware Version 2.5

Contents

# Release Notes: Vitalware 2.5
Release Date: 15 September 2014

Requirements

- Windows 2003, Vista, Windows 7, Windows 8, Windows 8.1
- Texpress 8.3.013 or later
- TexAPI 6.0.011 or later
- Perl 5.8.8 or later

Improvements

Image Magick upgraded

ImageMagick, which is used by Vitalware to view and manipulate images, has been upgraded to the latest version (6.8.8). The upgrade provides support for a number of new image formats and fixes a number of issues. In particular, improved support for DNG (digital negatives) and PDF (portable document format) formats is provided.

Scheduled Exports

Scheduled exports are run at a designated time through cron and, as such, all scheduled exports were run at the same time. It is now possible to exclude one or more scheduled exports from this standard scheduled run by specifying the `-x` parameter, e.g. `-x irn[,irn,..]` (where `irn` is the irn of a record for a scheduled export specified in the Schedules module). You would then specify a `vwexport` for the excluded scheduled export to run it at a different time, e.g. `vwexport -i` *irn*.

Invoicing

There are occasions when an organisation orders products on invoice but wishes for the invoice to be directed to another entity. A new field, Billing Entity, has been added to the Parties module for this purpose.
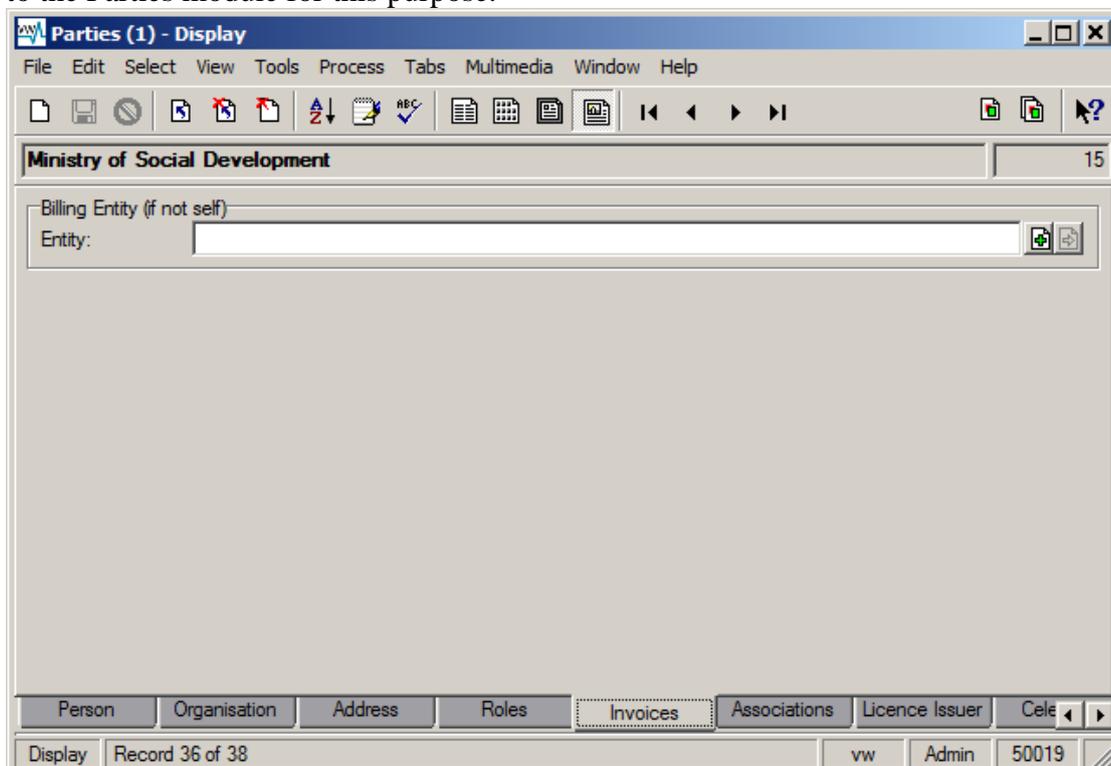
Write Offs   A facility has been added to write off under payments for both non-invoiced and invoiced transactions. Non-invoiced transactions are written off in the POS module and invoiced transactions are written off in the Invoices module.
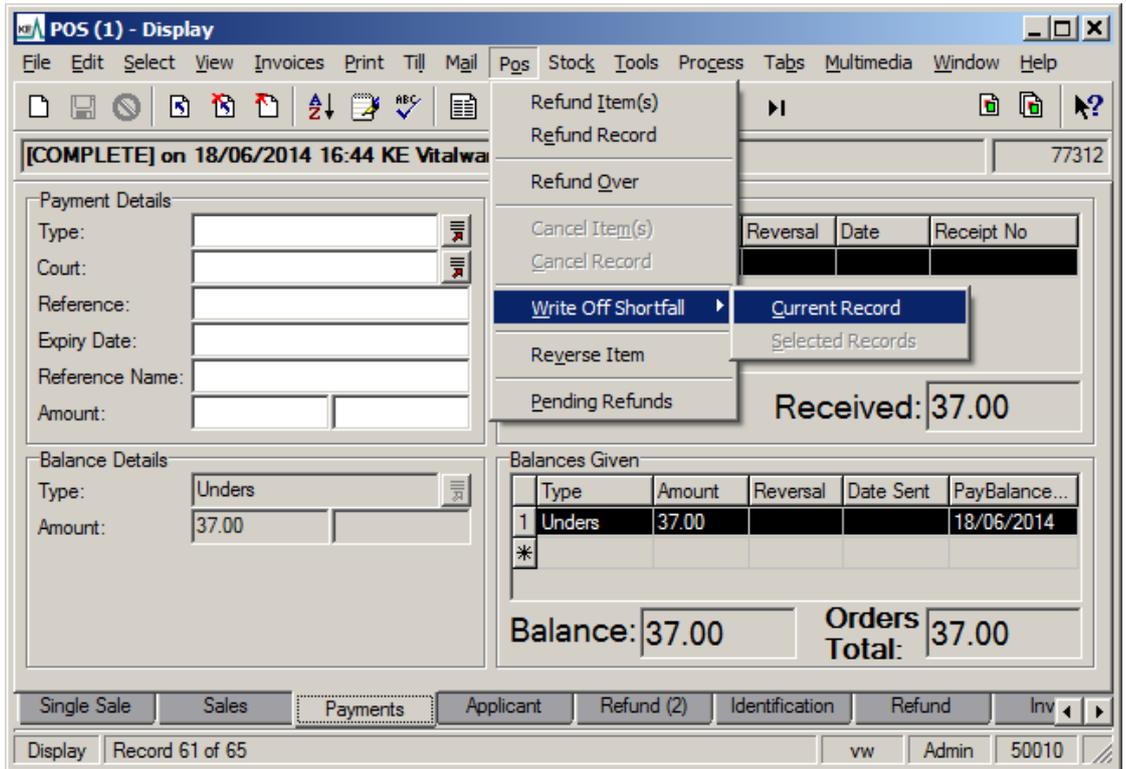
The "Can Write Off" Registry entry is used to give users privilege to write off debts.

**Invoice
Payments**   The ability to reverse an incorrect payment made to an invoice has been added to allow for its correction.

Issues Resolved

Issue	Resolution
The output file for XSLT based reports is saved in files with a `.html` extension. If the output type specified in the report via `<xsl:output>` is not HTML, then the file extension should reflect the output type specified.	The extension of the file created for an XSLT based report is based on the type specified in the `<xsl:output>` tag.
The label name of the multimedia thumbnail in List View in the Multimedia module is shown as *MulDocumentType*. The title is displayed regardless of the display language selected. The label should be changed to *Multimedia Thumbnail* for English and an appropriate translation for other languages.	The label has been changed from *MulDocumentType* to *Multimedia Thumbnail*. Translations have been added for other languages.
The Global Replace facility does not allow a global edit to be performed on a hierarchy where the level being changed is read-only. The limitation ensures that only existing hierarchy combinations may be used in a replacement. The restriction means that global replacements cannot be used to change a read-only hierarchy to a different existing combination. Ideally it should be possible to alter the value in a hierarchy where the level being changed is read-only.	The value in a hierarchy where the level being changed is read-only can now be changed. If the value would form a new hierarchy combination, then the Global Replace is still allowed. The new hierarchy will be added to the Lookup List.
An invalid server-side schema file may be produced if a field's prompt has a single quote character in it. The field prompt is defined in the database rather than the prompt displayed in the Windows Client. A correct schema file should be generated even if a field's prompt contains a single quote.	A valid schema file is now generated even if a field's prompt contains a single quote character.
The Windows client installer program does not include the version information in the *Add/Remove Programs* section of the Windows Control Panel. Some desktop roll-out software uses the version information to determine which software packages need to be upgraded on a given computer. The version number should be in the same format as that used with Vitalware releases.	Version information is now added to the Vitalware entry in the *Add/Remove Programs* section of the Windows Control Panel.

Issue	Resolution
The Windows client creates missing ODBC Data Sources for each module when it is invoked. If an ODBC Data Source is damaged, that is key entries are missing, the entry is not repaired. A check for damaged entries which can then be repaired should be performed.	Damaged ODBC Data Source entries are now repaired when the Windows client is invoked.
When the selected row in a LinkGrid control with RichEdit controls associated with it changes, the cursor position in the associated RichEdit control is not reset to the beginning of the field. The cursor should be placed at the start of the field when the row in the grid changes.	The cursor in a RichEdit control associated with a LinkGrid is now placed at the beginning of the field when the selected row in the grid changes.
The Lookup List server (lutserver) is used to maintain the values in Lookup Lists. When a hierarchy that contains multiple values at each level is checked, the server may be slow to check that each combination exists as a Lookup combination.	The time taken to check hierarchies containing multiple values at each level has been improved significantly.
The server-side Registry manipulation programs (`vwregload`, `vwregdelete` and `vwregupdate`) do not correctly handle Registry entries over 8192 characters long. The error messages emitted may be somewhat cryptic.	The Registry manipulation programs have been enhanced to handle infinite length Registry entries. Better error messages are displayed and a new program `vwregcheck` has been added to allow the format of existing Registry entries to be checked.
Server-side scripts that are executed on behalf of a user should produce output in the language the user last used in the Windows client. A new Registry entry specifying a user's prompt language should be added. The entry can then be checked by scripts and used to produce output in the correct language.	A new Registry entry containing the language last used by a user has been added. The entry is updated automatically by the Windows client and is used by server-side scripts to produce output in the correct language.
The `System|Client|Version` Registry entry does not allow the release date to be included as part of the minimum supported version number. For example, an entry of `2.4` allows all version 2.4 clients to be invoked. In some instances a finer grain of control is required. For example a value of `2.4 (140911)` would block all clients before version `2.4 (140911)`.	The `System|Client|Version` Registry entry has been changed to `System|Setting|Client|Version` and support for release dates has been added.

Issue	Resolution
If the Calendar pop-up is used to select a date for performing a query, then the value placed in the field is not wrapped in double quotes. If the date format is set to dd MMM yyyy, then the search generated will treat the date as three separate components rather than a single date value.	When a date is selected from a Calendar pop-up that is to be used in a search, the date is now enclosed in double quotes, ensuring a single date value is used.
Export records created via the Scheduled Exports facility cannot be deleted. The Export records were meant to provide a complete audit of all data exported and so cannot be deleted. However, due to space considerations, deletion of older Export records would be useful.	Export records may now be deleted.
The fifoserver does not output Unicode (UTF-8) characters correctly when logging calls and outputting results. Non-Unicode based systems (e.g. Latin 1) are not affected.	The correct Unicode characters are now output by the fifoserver.
The title displayed below thumbnails in Contact Sheet mode may be incorrect if the order of the matching records has been modified in List mode. The issue is caused by the Contact Sheet cache not being cleared when records are re-ordered.	The correct title is now displayed below thumbnails in Contact Sheet mode when records have been re-ordered.
The server-side Lookup List rebuild program vwlutsrebuild generates an error on Unicode based systems when a Lookup List value is not encoded correctly. Since the data is already in the system, albeit incorrectly, vwlutsrebuild should generate a warning and continue processing data.	vwlutsrebuild now generates a warning and continues processing data if an invalid Unicode sequence is encountered.
The error message **Column "irn_1" is read only - primary key. in Column irn** may be displayed after a number of modifications have been made to existing records. The message does not appear when creating new records. The appearance of the error message is somewhat random.	The error message is no longer displayed when changing existing records.

Issue	Resolution
The list of values in a given Lookup List may not be correct when the field is part of a hierarchy containing a double nested grid. A double nested grid is a LinkGrid control that is associated with another LinkGrid control. Selecting a row in an associated grid alters the contents of the LinkGrid control. The values displayed are generally a sub-set of the allowable values.	The list of values displayed for a Lookup List in a double nested grid is now the complete set of values.
Audit records created with ISO-8859-1 (Latin 1) characters as part of the data may not display correctly in the Audit Trails module. The Latin 1 characters are converted to Unicode (UTF-8) characters and stored in the Audit table. The conversion should not occur.	Audit records containing Latin 1 characters are now stored and displayed correctly in the Audit Trails module.
The Microsoft Visual Basic error message **Run-time error '1004': This operation cannot be done because the data is refreshing in the background.** may be displayed when running the Data Dictionary report in the Field Help module. The error may also occur when other Microsoft Excel based reports are invoked.	The error message is no longer displayed when the Data Dictionary report in the Field Help module is run.
The email notifications generated nightly by the server-side `vwnotify` script may not be sent if the data in the email notification contains a closing bracket ')' at the end of a line.	The email notifications are now generated and posted regardless of the data in the notification message.
The error message **Invalid selection has been made. Please use the Lookup List** may appear when a new insertion is commenced. The error only occurs if the module has a read-only hierarchy of Combo Boxes and one of the Combo Boxes has the **AllowEmpty** property set to `false`.	The error message is no longer displayed when a new insertion is commenced.
The *Quality* field in the *Image Attributes* group on the Resolutions tab of the Multimedia module is not populated when the **Multimedia>Generate Resolution>Selected Records** command is selected from the Menu bar.	The *Quality* field is now populated when the generate resolutions command is invoked.

Issue	Resolution
If the **Edit>Ditto>All Fields** command is invoked in the *Value (Edit)* field in the Registry module, then only the *Value* fields are dittoed. The *Value (Edit)* field remains empty.	All fields are now dittoed correctly.
If a sort is executed in a LinkGrid control that contains more than two rows, the data in some cells may appear as though it is not sorted. If the screen is repainted (by covering the grid and then uncovering it), the grid is drawn correctly.	The data in the LinkGrid control is now displayed correctly after the data is sorted.
The *Audit Record* field on the Summary tab in the Audit Trails module does not resize when the form size is increased. The field remains the same size as it was when the module was invoked.	The *Audit Record* field now resizes correctly when the form size is increased.
If a selection of records is copied from List View and then pasted into Microsoft Outlook, the data does not appear in a formatted table. The data should appear in an HTML based table.	Data copied from List View and pasted into Microsoft Outlook now appears as a formatted table.
If one or more records are copied from List View and the first column of data copied contains empty values, the data in rows where the first column is empty is moved to the left by one column when the records are pasted into Microsoft Outlook or Word.	Rows where the data in the first column is empty are now pasted correctly, that is with an empty first column.
The *Quality* field in the *Image Attributes* group on the Resolutions tab of the Multimedia module may be populated with incorrect data when the `Update Resources` command is used to populate the value.	The correct value is now stored in the *Quality* field when updated via the `Update Resources` command.
All database generated error messages contain UTF-8 characters where non-ASCII characters are required. If a client has an ISO-8859-1 based system, the error message will not display correctly in the Windows client. The error message is displayed correctly in Unicode (UTF-8) based systems.	All database error messages are now displayed with the correct encoding, regardless of the system character-set used.
The data stored in the *Audit Record* field on the Summary tab in the Audit Trails module cannot be copied onto the Windows clipboard. If a user selects the data (via CTRL+A) and then copies it (via CTRL+C), the data cannot be pasted (via CTRL+V) into another application.	The data stored in the Audit Record field can now be copied onto the Windows clipboard.

Issue	Resolution
The error message **Cannot locate http://... resource on server** may appear when the **Multimedia>Launch Viewer** command is invoked. The page is opened correctly if the Launch Viewer button on the Multimedia Toolbar is selected or the image in the Image pane is double clicked.	The error message no longer occurs and the correct page is displayed when the **Multimedia>Launch Viewer** command is invoked.
When dittoing into a linked field in a LinkGrid control via the **Edit>Ditto>Current Field** command, the linked module is invoked and a search conducted using the value in the dittoed field. Since the value is being dittoed, the linked module should not be invoked and the value just added to the grid.	The linked module is no longer invoked when dittoing a value into a link field in a LinkGrid control.
Under certain conditions the server-side Lookup List server (lutserver) may delete values from the Lookup List module when the values are still in use. The entries are only deleted if a given value has more than one punctuation variant (e.g. "Brown, Bill" and "Brown - Bill"). Entries should only be deleted if they are no longer used in any records.	The Lookup List server no longer deletes values that are still in use.
The server-side Lookup List server (lutserver) may delete values from the Lookup List module where a Lookup List value is a subset of a longer Lookup List value (e.g. "Damage" and "Paint Damage"). Entries should only be deleted if they are no longer used in any records.	The Lookup List server no longer deletes values that are still in use.
The Calendar pop-up button is still displayed when its associated field is hidden by permissions. The issue only arises in Query mode where the associated control has had the dvQuery permission removed from the Column Access Registry entry.	The Calendar pop-up button is now hidden when its associated field is hidden.
If the Lookup Exact Registry entry is enabled on a field in a hierarchy and a value is selected from the Lookup List in Query mode, the displayed value is enclosed in double quotes. If a search is performed, no matching records will result. The lack of matches is caused by the double quote characters being included in the search.	The double quote characters are removed from the search term when the query is performed for columns that have the Lookup Exact Registry entry enabled.

Issue	Resolution
The Column Access Modifier Registry entry may not be applied correctly when the field whose value is being checked contains a list of values. The issue only arises if there are three or more values in the list.	The Column Access Modifier Registry entry is applied correctly for list fields regardless of the number of entries in the list.
The **Add Resource...** button on the Multimedia tab in the Multimedia module may become hidden when a user changes to either Medium or Large fonts in the Windows font settings.	The **Add Resource...** button now displays correctly regardless of the user's Windows font setting.
The error message **TexAPI Error: End of file. (Number -18)** may occur when the last record in the Multimedia module is deleted while in List View. The error will only occur if the last record had an image associated with it.	The error message no longer occurs when the last record is deleted in List View.
The Vitalware date and time formats are not applied to values entered into fields created as Admin Task parameters. The current Windows format is used which may cause a mismatch between the value entered and the value expected by the Admin Task handler.	The correct date and time formats are now applied to Admin Task parameters.
When a maintenance product is ordered and then removed, the associated Pending registration record is not cancelled.	The associated Pending registration record is now cancelled when the product is removed.
When a link was added to or removed from a post-adoptive record (e.g. matched to a death), no change was made to the pre-adoptive record.	The links on the pre-adoptive record now correctly match the links on the post-adoptive record.
When records were received from an external source and loaded into the POS system via the posserver, records containing invalid event dates would fail to load.	All records now load correctly.
On rare occasions either a duplicate order or ledger record could be created when a POS record was saved.	A duplicate order or ledger record is no longer created.
On occasions when trying to view the last image in Contact Sheet View, the user would be returned to Details View.	The user now has the associated image displayed.
It was possible to attach an invalid institution to an event if the institution start date is one day after the event date or the end date is one day before the event date.	Only institutions where the event date falls between the start and end date may be attached.

Upgrade Notes

The upgrade from Vitalware Version 2.4 to Vitalware 2.5 involves a number of steps. Please follow the instructions below carefully.

Do not skip any steps under any circumstances.

Before proceeding with the update please ensure that a complete backup of the Vitalware server exists and is restorable.

There are four components that require upgrading:

- Texpress (the database engine)
- TexAPI (web services)
- Vitalware Server (the application)
- Vitalware Client (the client)

The notes below detail how to upgrade all systems. Check the Releases table for Client specific notes.

In the notes below, *clientname* refers to the name of the client directory for the current installation. The term ~vw is used to refer to user vw's home directory. This is normally /home/vw.

Stopping Vitalware services

1. Log in as vw
2. Enter client *clientname*
3. Enter ls -l loads/*/data* local/loads/*/data*
4. Check that each data file is empty and that no data.t files exist.
   If data.t files do exist, please wait for the loads to drain before proceeding.
5. Enter vwload stop
6. Enter texlicstatus
   Make sure no one is using the system.
   The upgrade will not complete successfully if users are accessing data.

Record Session

Each step in the upgrade process produces detailed output. In most cases this output will exceed the size of the screen. It is strongly recommended that the output of the upgrade session is recorded, so if errors occur, the output can be examined.

1. Enter script /tmp/output-2-5

A new shell will start and all output recorded until the shell is terminated.

Installing Texpress

Installing Texpress 8.3 is only required for the first client upgraded to Vitalware 2.5. Once Texpress 8.3 has been installed, this section may be skipped for subsequent upgrades.

1. Enter `cd ~vw`
2. Enter `mkdir -p texpress/8.3.xxx/install` (where `xxx` is the patch level number).
3. Enter `cd texpress/8.3.xxx/install`
4. Obtain the appropriate [Texpress version](#) for your Unix machine.
   Save the release in `~vw/texpress/8.3.xxx/install`, calling it `texpress.sh`.
5. Enter `sh texpress.sh`
   The Texpress release will be extracted.
6. Enter `. ./.profile`
7. Enter `bin/texinstall ~vw/texpress/8.3.xxx`
   The Texpress installation script will commence.
8. Enter `cd ~vw/texpress/8.3.xxx`
9. Enter `. ./.profile`
10. Enter `bin/texlicinfo`
    Obtain your Texpress licence code and place it in a file called `.licence`.
11. Enter `bin/texlicset < .licence` to install the licence.
12. Enter `\rm -fr install`
13. Enter `cd ~vw/texpress`
14. Enter `ln -s 8.3.xxx 8.3`

Upgrading TexAPI

Installing TexAPI is only required for the first client upgraded to Vitalware 2.5. Once TexAPI has been installed, this section may be skipped for subsequent upgrades.

1. Enter `cd ~vw/texpress`
2. Enter `mkdir 6.0.xxx`
3. Obtain the appropriate [TexAPI version](#) for your Unix machine.
   Save the release in `~vw/texpress`, calling it `texapi.sh`.
4. Enter `sh texapi.sh -i ~vw/texpress/6.0.xxx` (expand the `~vw`).
5. Enter `\rm -f texapi`
6. Enter `ln -s 6.0.xxx texapi`
7. Enter `\rm -f texapi.sh`

Upgrading Vitalware Server

1. Enter `cd ~vw/clientname`
2. Enter `mkdir install`
3. Enter `cd install`
4. Obtain the appropriate [Vitalware server version bundle](#).
   Save the release bundle file in `~vw/clientname/install` calling it `vw.sh`.

5. Enter `sh vw.sh`
   The Vitalware release will be extracted.
6. Enter `. ./.profile`
7. Enter `bin/vwinstall clientname`
   The Vitalware installation script will commence.
8. Enter `cd ~vw/clientname`
9. Enter `cp .profile.parent ../.profile`
10. Enter `. ../.profile`
11. Enter `client clientname`
12. Enter `vwreindex`
13. Removal of the temporary directory (and its contents) is recommended:
    Enter `\rm -fr install`
14. Enter `upgrade-2-5`
    The client will now be upgraded to Vitalware 2.5. If you are upgrading from a version prior to Vitalware 2.4, you must run the upgrade scripts for all versions after the old version `before` running the Vitalware 2.5 upgrade.

Starting Vitalware services

1. Enter `vwload start`
2. Enter `vwload status`
   Check that all loads started successfully. Investigate any loads that failed to start.

Record Session

The recording of the upgrade session may now be terminated.

1. Enter `exit`

The session output is available in `/tmp/output-2-5`.

Upgrading Vitalware Client

Vitalware 2.5 does not require the new Windows client to be installed on every machine for network installations. Updating the network server is sufficient. For standalone installations a new client is required on each machine. To upgrade the Vitalware Client follow the Installing Vitalware Client notes.