

Build Installer Process

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1 Build Installer Process

1.1 Requirements

InnoSetup/InnoIDE installed on local PC.

Install from:

- P:\271321 - Vision_Development\Development Tools\ispack-5.4.1-unicode.exe

or download the latest version from:

- <http://www.jrsoftware.org/isdl.php>

1.2 Create Database Scripts

First, create the database structure and metadata SQL files. This can be done manually using MySQL Administrator or through the command line as follows:

1.2.1 MYSQL Administrator

Based on version 6.3

Dump the structure:

- Connect to the database
- Click *Data Export* on the **Navigator** tab
- Check the database for tables to export (productivity1)
- Check all tables and views for extraction
- Select *Dump Structure Only*
- Check *Dump Stored Procedures and Functions*
- Select *Export to Self-Contained File*. Either accept the generated dump name and rename later or name it 'CreateDB-Struct.sql' now.
- Check *Include Create Schema*
- Optional: Check or uncheck *Create Dump in a single transaction...* - it is recommended that this is checked.
- Click **Start Export**

Dump all the metadata:

- Connect to the database
- Click *Data Export* on the **Navigator** tab
- Check the database for tables to export (productivity1)
- Check all tables for data extraction as follows:
 - ◆ group_menus
 - ◆ last_numbers
 - ◆ master_plugin_parms
 - ◆ master_plugins
 - ◆ menu_groups
 - ◆ menu_screens
 - ◆ menus
 - ◆ ml_labels
 - ◆ ml_messages
 - ◆ rules
 - ◆ rule_category
 - ◆ rule_master
 - ◆ screens
 - ◆ system_auth
 - ◆ system_extract_points
 - ◆ system_extracts
 - ◆ system_styles



- Select *Dump Data Only*
- Uncheck *Dump Stored Procedures and Functions*
- Select *Export to Self-Contained File*. Either accept the generated dump name and rename later or name it 'CreateDB-Data.sql' now.
- Uncheck *Include Create Schema*
- Optional: Check or uncheck *Create Dump in a single transaction...* - it is recommended that this is checked.
- Optional: Check or uncheck *extended-insert* in **Advanced Options**.
- Click **Start Export**

1.2.2 Command Line

Dump all the metadata:

```
>mysqldump.exe --no-create-info=TRUE --order-by-primary=FALSE --force=FALSE
--no-data=FALSE --tz-utc=TRUE --flush-privileges=FALSE --compress=FALSE
--replace=FALSE --insert-ignore=FALSE --extended-insert=FALSE --quote-names=TRUE
--hex-blob=FALSE --complete-insert=TRUE --add-locks=TRUE --disable-keys=TRUE
--delayed-insert=FALSE --create-options=TRUE --delete-master-logs=FALSE --comments=TRUE
--default-character-set=utf8 --max_allowed_packet=1G --flush-logs=FALSE --dump-date=TRUE
--lock-tables=TRUE --allow-keywords=FALSE --events=FALSE --host={host} --port=5306
--user=root --password={pwd}
--result-file=CreateDB-Data.sql
"productivity1" "rules_category" "rules_master" "screens" "system_extract_points"
"system_extracts" "system styles" "menu_groups" "menus" "menu_screens" "group_menus"
```

Note: To dump all the data from a remote server (perhaps for support), remove everything after "productivity1"

Dump the structure:

```
>mysqldump.exe --no-create-info=FALSE --order-by-primary=FALSE --force=FALSE
--no-data=TRUE --tz-utc=TRUE --flush-privileges=FALSE --compress=FALSE
--replace=FALSE --insert-ignore=FALSE --quote-names=TRUE
--hex-blob=FALSE --complete-insert=TRUE --add-locks=TRUE --disable-keys=TRUE
--delayed-insert=FALSE --create-options=TRUE --skip-extended-insert=TRUE
--delete-master-logs=FALSE --comments=TRUE --default-character-set=utf8
--max_allowed_packet=1G --flush-logs=FALSE --dump-date=TRUE --lock-tables=TRUE
--allow-keywords=FALSE --events=FALSE --routines
--result-file=CreateDB-Struct.sql
--host={host} --port=5306 --user=root --password={pwd}
"productivity1"
```

In these commands, replace **{host}** and **{pwd}** with your Vision Host IP address and root password.

Note: To load either file, you can use the following:

```
>mysql.exe --host={host} --port=5306 --user=root --password={pwd}
--default-character-set=utf8 --comments <{SQL file}
```

1.3 Edit Metadata

The Data dump may contain data that is not required - edit the file.

- Remove any group_menus that are not the basic menu (group 1)
- Remove and menu_groups that are not the basic menu (group 1)
- Remove all rules EXCEPT the first two (marked with '***'). Ensure these represent the latest version that the installer is being built from and the latest patch file (by checking the latest in P:\271321 - Vision_Installers\Releases)
- Ensure all system_extracts are disabled by default.

1.4 Collate Files

Copy these files into your Vision development Database folder.



Copy all files to be distributed (including these files) and all subdirectories to a clean Distribution folder, for building the installer. Typically this folder is C:\inetpub\wwwroot\Vision, which should be different to your development directory. If using this folder, the standard Installer script need not be changed.

1.5 Build Installer

Open local copy or network copy of P:\271321 - Vision_Installers\Installer\Vision.iss

 **Note:** If not working on a local copy, ensure that your Distribution folder matches C:\inetpub\wwwroot\Vision.

In the header of the install script, reflect the system version from which the app is being built (in *MyAppVerName*).

In the **Setup** section:

- Change *LicenseFile* to point to your Distribution folder if necessary.
- Change *InfoBeforeFile* to point to your Distribution folder if necessary.
- Change *AppCopyright* to reflect the current year.
- Change *SetupIconFile* to point to your Distribution folder if necessary.

In the **Files** section:

- If any new screens or files have been added that are not already covered in the installer script, add them here.
- Change the folder to point to your Distribution folder if necessary.

Click **Compile**. Any errors will be displayed and can be resolved from the Inno IDE.

Save all changes.

If working on a local copy, copy the changes back to the projects drive, first replacing the distribution folder as before if not set to C:\inetpub\wwwroot\Vision.

In the project folder P:\271321 - Vision_Installers\Installer\Output, copy and zip the file *setup.exe* to the parent folder and rename to:

- INYYMMDDVision.zip

where YYMMDD is the date.

1.6 Build CD Contents

Copy the following files to P:\271321 - Vision_Installers\CD Contents.

- P:\271321 - Vision_Installers\Installer\Output\setup.exe
- *Development Directory*\Releases\Requirements.rtf
- *Development Directory*\Releases\License.rtf

Edit CDBox.doc in this directory. Edit the document Custom properties as follows:

- Date completed to the date the installer was built.
- Version set to Major and Minor version ONLY of the build.
- Optional: If building a CD for a specific client, update Client to the client name.

Update all fields in the document (CTRL-A, F9) and save.

