

User Manual

Introduction and installation



Complete and integrated project  
management according to IATF  
16949:2016

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## CHAPTER 1

# Visual Factory Quality Documentation

Visual Factory Quality is a modular application, so we can have assets some modules or others, depending on the license agreement.

With this in mind, the information available about the application is divided into the following documents::

- Introduction and installation. This document explains the general philosophy and main features of Visual Factory Quality, the first-time installation procedure, and the general parameters on which we can act to parameterize the application.
- Projects. Includes DFMEA, PFMEA, Control Plan and Guidelines modules.
- Reception. Includes control plans for receipt, data entry and supplier valuation.
- Project Records. Includes data entry of the different Guidelines defined in a project.

## Visual Factory Application Framework 2019

It is important to note that also, as part of the documentation, the manual “Visual Factory Application Framework 2019”.

In this manual we will find an overview of the functionalities common to the Visual Factory range.

Los temas que encontrases en es este manual son:

- Description of the screens and use of the different actions.
  - Definition of views to be able to filter, group, sort, ... the information that is presented in each of the tables in the application.
  - Print Preview Settings.
1. Report Designer
    - Users and User Roles.

**Note:** This manual is general to all applications, for this reason the description of specific functionalities may be missing.

## CHAPTER 2

### Introduction

Visual Factory Quality is an application that integrates the quality management of the company's business projects.

The application includes the following applications:

- **Projects.** It includes the definition of the control plans of the manufactured articles and the guidelines associated with each phase or at a general level. Manages the controls carried out and the incidents that occur.
- **Reception.** Includes reception control plan and material inputs.
- **Valuation of suppliers.** With the data entered, the quality of the inputs and other indicators are evaluated to assess each supplier at a global level and by product.

Visual Factory Quality is ready to integrate with the ERP used by the company.

## CHAPTER 3

### Installation

this chapter specifies the minimum requirements to install visual factory quality and explains how to install the application on your computer.

#### Minimum requirements for installation

Before installing verify that the computer where you are going to install the application meets the following minimum requirements:

- Pentium i3 processor or equivalent
- 4 GB of RAM
- 120 Free Mb on the hard disk.
- Screen 1280 x 1024. 1920 x 1080 recommended.
- Windows 10 32-bit or 64-bit operating system.
- MS SQL Server 2014 or later server
- MS .Net Framework 4.6.1 or superior.

When you install you must perform the installation with machine administrator rights.

#### Installation

Setup will find it in the VFQualityx.yy.zzzz\FVQualityx folder (x represents the main version number and yy.zzzz the subversion number) of the installation device (USB or unzipped zip file folder)).

On one hand you must install the application on each of the computers where you are going to use it and on the other hand you must install the database.

The usual thing is that the first installation is carried out by Elecsoft together with the customer's IT department.

To perform the installation, you must complete the following steps:

#### Prepare the database on the SQL server

the tasks to be performed on the MS SQL server are:

- Make sure that our MS SQL Server allows mixed security, that is, we can access a database through username and password.
1. Create a login

Nombre de inicio de sesión:

Autenticación de Windows  
 Autenticación de SQL Server

Contraseña:   
Confirmar contraseña:

Especificar contraseña anterior  
Contraseña anterior:

Exigir directivas de contraseña  
 Exigir expiración de contraseña  
 El usuario debe cambiar la contraseña en el siguiente inicio de sesión

Asignado a certificado   
 Asignado a clave asimétrica   
 Asignar a credencial

Credenciales asignadas

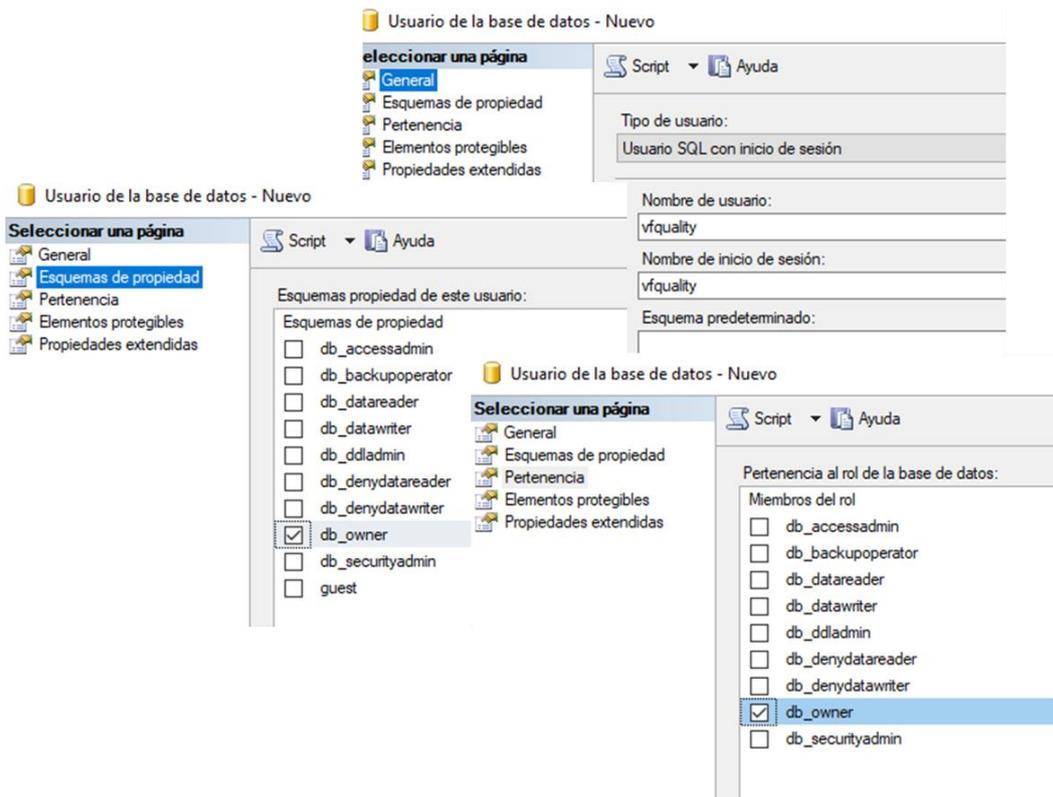
Credencial	Proveedor
------------	-----------

Base de datos predeterminada:    
Idioma predeterminado:

**Note:** we recommend that you turn off the Enforce password policies check to avoid password change obligation issues.

This login is the one we will use to create the databases we need.

- Create an empty database. For example, VFQuality NameEnterprise.
- Create a user using the previously created login. It is recommended to give the same username as the login name. The settings are displayed on the following screens:



### Install Visual Factory Quality

1. Select the folder VFQualityx.yy.zzzz\FVQualityx of the installation device.
2. Click on the  VisualFactoryQuality8.Setup.exe icon.

To advance in the installation click on the **Next** button and to return to previous steps of the installation press the **Previous** button.

after the installation is complete a shortcut is automatically created on the desktop.

### Modify the Configuration File

In the folder where the application is installed you will find the configuration file VisualFactoryQuality.Win.exe.confj\_.

If you did not have the file previously configured from a previous installation, rename this file to VisualFactoryQuality.Win.exe.config.

You must indicate at least the following points:

```
<connectionStrings>
  <add name="ConnectionString" connectionString = "Integrated Security = false; Pooling =
false; Data Source=NombreDelServidor; Initial Catalog = VFQuality_NombreEmpresa; User ID =
NombreDeUsuario" />
</connectionStrings>
```

```

<applicationSettings>
  <VisualFactoryQuality.Win.Properties.Settings>
    <setting name="PasswordEncriptado" serializeAs="String">
      <value>ta1vmur8CL578DHQBUDMrw==</value>
    </setting>
    <setting name="Databases" serializeAs="String">
      <value></value>
    </setting>
  </VisualFactoryQuality.Win.Properties.Settings>
</applicationSettings>

```

PasswordEncriptado is the indicated when we have created the login. Elecsoft offers a utility to encrypt this password. The utility is located in VFQualityx.yy.zzzz\EncriptarPassword of the installation device.

Optionally you can indicate more than one database that you can then select when logging in. In AdittionalDatabases may indicate additional databases separated by a ";". For example:

VFQuality\_NombreEmpresa1;VFQuality\_NombreEmpresa2

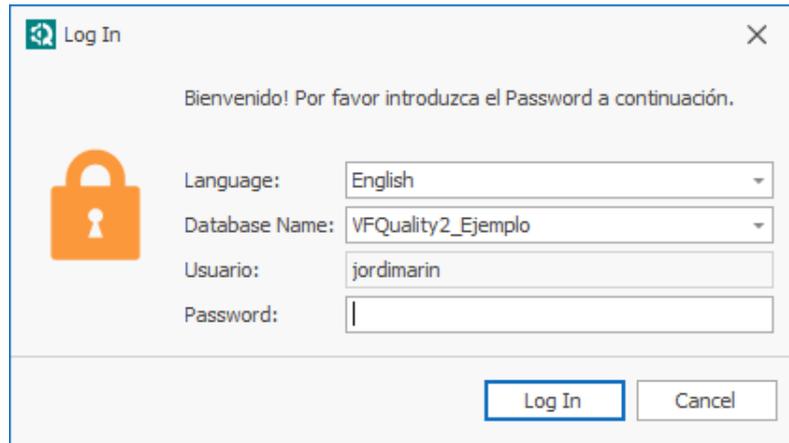
**Important:** The database indicated in the section <connectionString>, will be the main one and is the one that will contain the parameterization.

Launch the app for the first time

The first thing that always appears when we run the application is the identification form.

If we have defined only one database:

If we have defined several databases:



In this screen we can select the language and the database (if we have defined several) within the available ones and indicate our password.

when the application is first launched the following operations are performed:

- The basic database structure and data are created.
- A user is created with the code indicated on the Login screen and with a managed profile. This user will be responsible for adding new users.

**Note:** When other users enter the application without being defined, it also creates them, but with a profile that does not have any permissions.