

Crystal Web Viewer

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Crystal Web Viewer

Installation requirement

- . Web Application 32 or 64 Bits for databases connectors 32 or 64 Bits.
- . Windows Server 2008 2012-2016-2018, Windows 10.
- . Minimum: Servers with 2 processors 4 Go RAM.
- . A report and history view in a same time only by navigator.
- . Maximum 20 simultaneous customers.

- . IIS 7/8, Microsoft .NET Framework 4.8.
- . In a Domain, the installation must be under the Windows session Admin of Domain.
- . The local administrator or domain access rights on the server.
- . Internet Explorer 11, Google Chrome, Firefox)
- . From Windows IE 11 necessary.
- . Google Chrome or Safari client browser exclusively for devices (smartphones or tablets).
- . Internet Explorer and Google Chrome, Firefox client browser for no mobile devices.
- . Printing ActiveX works only with IE browser.
- . The authorization to launch scripts .ASPX for Framework.NET 4.0.

For Windows 2008 / 2012 / 2016 / 2019:

List necessary roles on IIS 7-8

Web server
Functionality HTTP communes
Static content
Document by default
Explorer of directory
Errors HTTP
Development of applications
ASP.NET
Extensibility .NET
ASP
CGI
Extensions ISAPI
Filters ISAPI
Files include sever side
Observer of requests
Safety
Filtering of the requests
Performances
Compression of contained static Management tools
Management console IIS
Scripts and management tools IIS Safety (optional: NTLM type)

Introduction

Crystal Web Viewer is a web portal to visualize your reports Crystal Reports 9X to 2020.

It can also display the URL http, or pictures, PDF files or other Microsoft Office documents.

From a document or history view, it can also generate individual history view named by user, category and document.

From SYTEM CONFIGURATION module, it can also change the title, subtitle, banner and logo.

With the choice of other documents than Crystal Reports or URL, the plugins of the authors associated with these documents need to be installed by yourself.

It allows a simple way to ban one or more documents per user, group, folder and category.

It makes it possible to prohibit for a user given one or more report or history in a systematic way.

The module includes:

1. Navigation module.
2. Administration module.

Navigation module

This module allows navigating through a list of categories on the left of the interface. If a security management is established, you can call the navigation from URL page: The values of "user" and "pass" are those of the user and the password created in the interface "Restricting access" and "CN" is for the authentication type.

Enterprise connections

<http://Serveur:86/CWV/default.aspx?user=Utilisateur&pass=password&CN=0>

The password can be encrypted using the CryptoPass.exe program.

Windows NTLM connections

(The users must be connected on the Domain of the Web server)

(Functions only with the Windows client side)

<http://Serveur:86/CWV/default.aspx?CN=2>

Standard AD connections (Not SSL)

<http://Serveur:86/CWV/default.aspx?user=Utilisateur&pass=password&CN=1>

The password can be encrypted using the CryptoPass.exe program.

In an implementation of Restricting access, if an administrator logs on, a link further will be displayed in the interface of navigation to access the administration module.

The selection of a group / folder / category appears then the list of reports and documents made available followed by a description.

One click on the document icon will bring up its extension type, its size and modification date/time.

The screenshot displays the CWV interface. At the top left, there is a logo and the text 'CWV'. Below it, the word 'ADMINISTRATION' is visible, along with a 'LOGOFF : ADMIN' button. A navigation menu on the left lists categories: 'Groupe publique' (with sub-items 'Publique'), 'Autre groupe' (with sub-items 'Marketing', 'Commerciaux', 'Service Technique', and 'Compatibilité'). On the right, a document list is shown with the following items:

- Etat_relance.rpt** (Type : Document RPT, Size : 68 Kb, Modify : 4/25/2019 12:49:31 PM)
- PDF** Document : Etat de relance Par société
- PDF** Document : Facturation par mois
- RPT** Document : Factures par société, par mois

At the bottom of the interface, the footer text reads: '@ 2021 - STR-ITANCIA - 69 Rue Thomas Lemaitre, 92000 Nanterre'.

If exist, a history link is displayed after description document.



History : 11/19/2015 12:01:15 PM



While clicking on this icon, the option of suppression of this history or all the histories of the user will be proposed.

History : 11/17/2015 4:52:35 PM
crep_spp_a_b.rpt
Size : 257.5 Kb

Delete this history ALL



While clicking on this icon of document, a window displays the properties of the document.

State_of_revivals.rpt
Type : Document RPT
Size : 16.5 Kb
Modify : 11/17/2015 11:46:05 AM

By clicking on the link, you start viewing of the document.

Parameter Panel

Apply | Reset

Entrer CPROD :
963 803 011

Entrer NUMERIQUE :
21

Entrer EMAIL :
email@domain.com

Main Report

13/01/2019

CODE 93 803 011 COMMANDE 131 657,00

category_id	category_class	category_type	name
0	1	1	[Uncategorized (Local)]
2	1	2	[Uncategorized (Multi-Server)]
98	2	3	[Uncategorized]
99	3	3	[Uncategorized]
7	1	1	Database Engine Tuning Advisor
3	1	1	Database Maintenance
5	1	1	Full-Text
1	1	1	Jobs from MSX
6	1	1	Log Shipping
18	1	1	REPL-Alert Response
16	1	1	REPL-Checkup
10	1	1	REPL-Distribution
11	1	1	REPL-Distribution Cleanup
12	1	1	REPL-History Cleanup
20	2	3	Replication
13	1	1	REPL-LogReader
14	1	1	REPL-Merge
19	1	1	REPL-QueueReader
15	1	1	REPL-Snapshot
17	1	1	REPL-Subscription Cleanup
4	1	1	Web Assistant

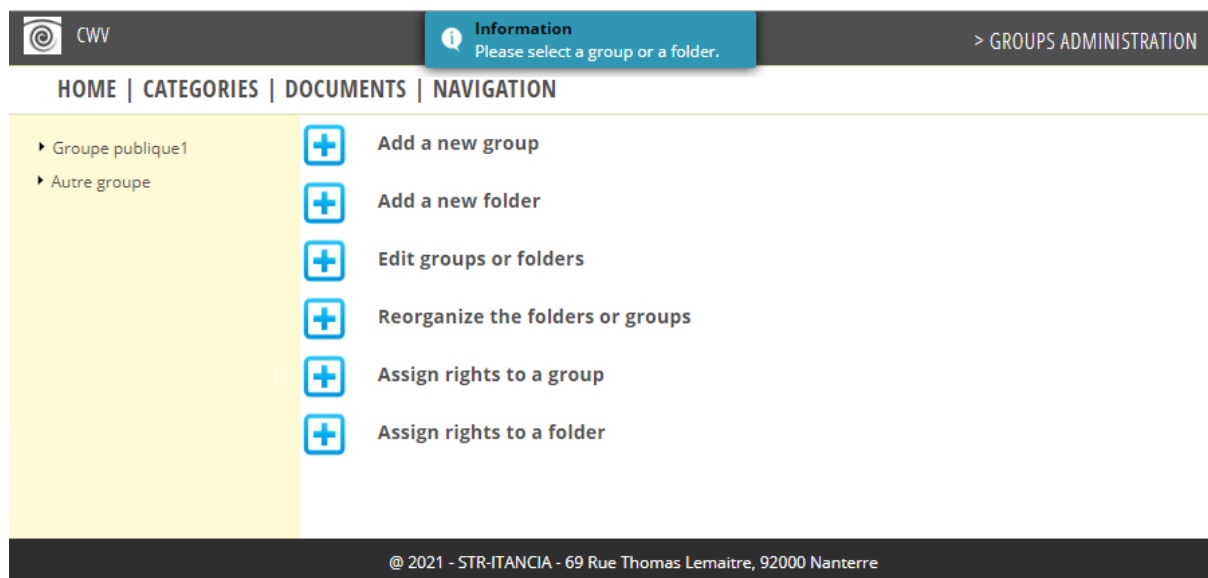
Administration module

The Administration module is divided into 7 parts:

1. Management groups and folders.
2. Management categories.
3. Management documents.
4. Navigation.
5. Register your license.
6. Restrict access.
7. System configuration.

Management groups and folders

This is where you will define all the groups and folders.



Important: Before any action, you must always select a group, a folder.

You can:

- Create a new group or folder with a description associated or not that will appear as a tooltip in the administration and navigation module.
- Change the name of a group or folder and its description.
- Active/deactivates a group or folder.
- Delete an existing group or folder.
- Rearrange the display order of the groups, folders or move.
- Assign rights to one or more users to restrict access.

You will then be able to mix group, folder and category access rights from category management, access defined at the group and folder level has priority to category access.

Management categories

It is here where you define the set of categories.

The screenshot shows a web application interface for managing categories. At the top, there is a navigation bar with the CWV logo and the text 'HOME | GROUPS | DOCUMENTS | NAVIGATION'. Below this, a sidebar on the left contains a navigation menu with 'Groupe publique' and 'Autre groupe'. The main content area is titled 'Add a new category' and contains the following form elements:

- Groups:** A dropdown menu with 'Groupe publique' and 'Autre groupe' as options.
- Folders:** A dropdown menu with 'Root of the group' as the only option.
- Category :** A text input field.
- Description :** A text area.
- ADD:** A red button at the bottom of the form.

Important: Always select a group, folder and category for any action.

- You can create a new category with a description associated; it will appear as tooltip in the navigation module.
- You can change the name of a category and its description.
- Active/deactivates a category.
- You can delete an existing category.
- You can reorganize the order of your categories, move categories into another group, folder.
- You can assign one or more users to the category to limit access.
- To prohibit the access of documents has one or more users for the category selected.

Prohibit the access of documents

To prohibit the access of documents has one or more users for the selected group / folder / category.

From Section **Affect users**, select a user since the list of the users assigned to this category.
To click on the button SELECT

From Section **Prohibit the access of documents**, select the documents since the list of the documents available

To click on > to add your selection in the list of the documents prohibited to the user.






To authorize the access of documents has one or more users previously prohibited for the category selected.

From Section **Prohibit the access of documents**, select a user since the list of the users assigned to this category.

To click on the button SELECT

From Section **Prohibit the access of documents**, select the documents since the list of the prohibited documents

To click on < to remove your selection since the list of prohibited towards the list of the documents available.

-  **Add a new category**
-  **Modify a category**
-  **Reorganize the categories**
-  **Affect users**
-  **Prohibit the access of documents**

List documents available

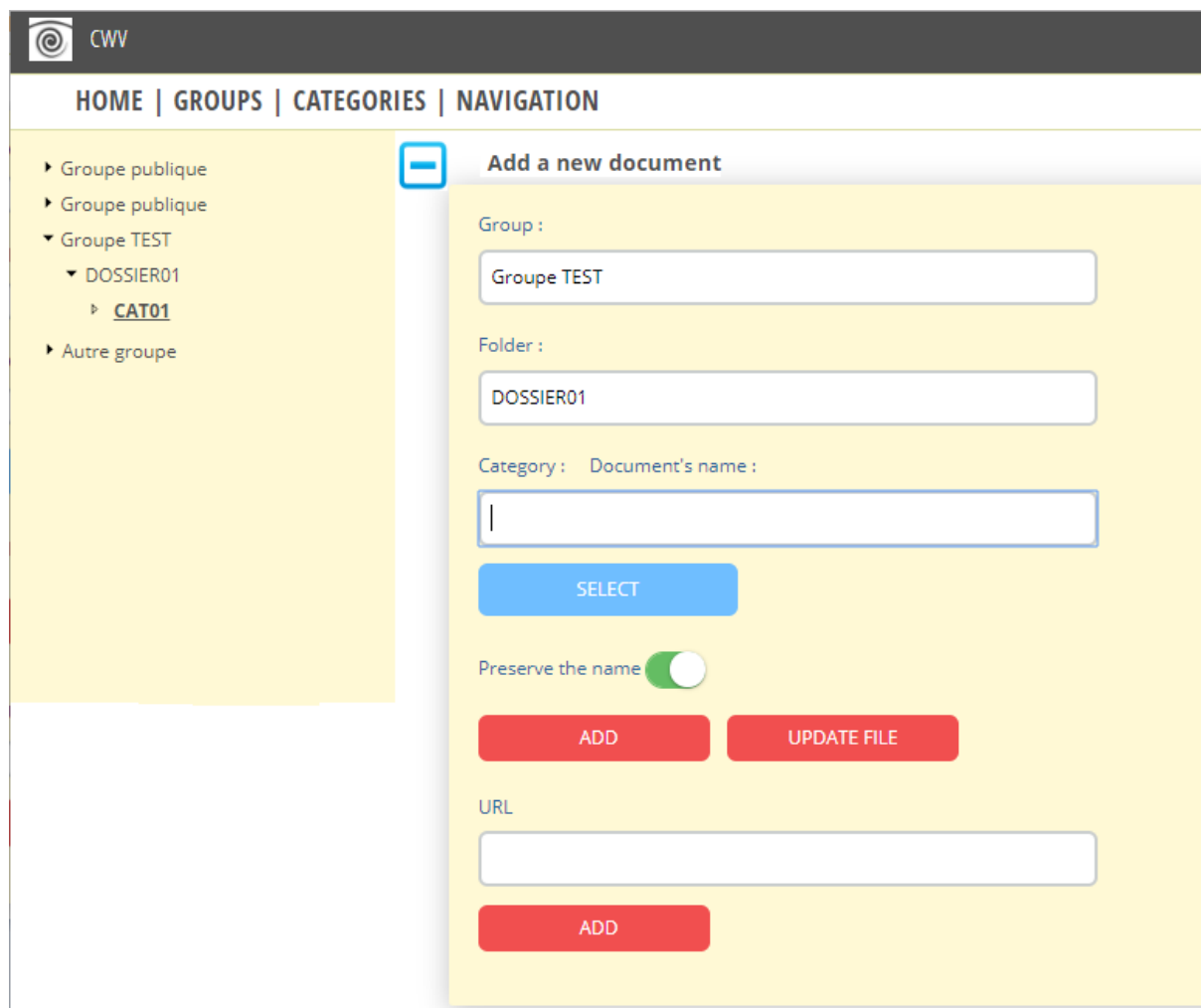
State of revivals
Invoicing
Invoice

> <

List documents prohibited with the user

Management documents

It is here where you define all your Crystal Reports, URL or other documents by group / folder / category.



The screenshot shows the CWV interface with a navigation menu on the left and a main content area. The navigation menu includes 'Groupe publique', 'Groupe TEST', 'DOSSIER01', 'CAT01', and 'Autre groupe'. The main content area is titled 'Add a new document' and contains the following form fields and buttons:

- Group :** A text input field containing 'Groupe TEST'.
- Folder :** A text input field containing 'DOSSIER01'.
- Category :** A text input field with a dropdown arrow on the right.
- Document's name :** A text input field.
- SELECT** button (blue).
- Preserve the name** toggle switch (checked).
- ADD** button (red).
- UPDATE FILE** button (red).
- URL** text label above a text input field.
- ADD** button (red).

You can:

- add new reports (.rpt/.rptr), URL, or other types of file in an existing category. (You must always select a group, a folder and then a category before).

- Retain the original filename or leave the program name.

The names of the documents and their associated file must be unique.

- In the choice of a document URL, just specify the document name and URL.

The URL can be a simple link third party http or a URL from the product STR named [Crystal Web Viewer URL](#) (product to acquire separately).

- Update a document with the button "Update file".

It will overwrite the current version of the file in the directory \Documents\Group name\Folder name\Category name\

- If the data sources and password used in the reports are defined, then CWV will create in the xml file the connection part with the associated passwords, otherwise it will put a blank or

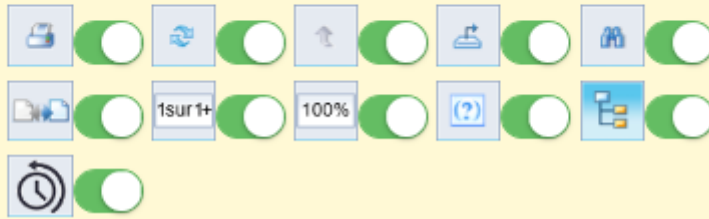
the passwords.

- From Section **List documents available**, kill one or more existing documents.
- Reorganize the order of display of a document in its category.
- From Section **Define the document**, change the label of the existing report name and its description.
If a description of the document is not completed, the description line will be omitted from the display.
- From Section **Formula fields**, retrieve the name of the logged user and the category chosen by the user through the definition of two formula fields that you create in your report. Simply enter the name of these formula fields and Crystal Web Viewer will automatically affect the values of these at the launch of the report.
- From Section **List of buttons**, define the buttons of crystal preview.
- Define the default zoom of crystal preview.
- Change the default html scale transform for mobile devices.
- Set the option "Apply scale transform value only for mobile devices"
- Allow zoom on mobile devices.
- Define default type of standard window or full screen.
- From Section **Detected database**, set the connection parameters used by the report or change the address of a document URL.
- Change the original server name and database name of a Crystal Reports document.
- Crystal Web Viewer manages the reports using multiple data sources as well to the main report and sub report level.

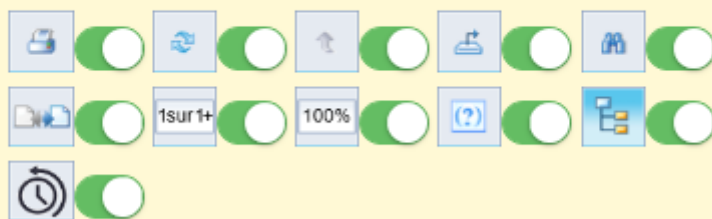



Created or modify a user

List of buttons



Historical properties



By default, the close view report or close view history by click to  generate a history file (export .rpt with record data).

You can display a report and rpt history document in same time only by navigator.



For enabled or disabled history from **Historical properties**.



For enabled or disabled database connection from history view.

By default, the connection is established for a history (for a report, it's always).

A history is generate by user, report and category in the folder name:
\\histories\Group name\Folder name\Category name\

The history filename generated is:

User AND Customer IP AND _Report Filename.rpt

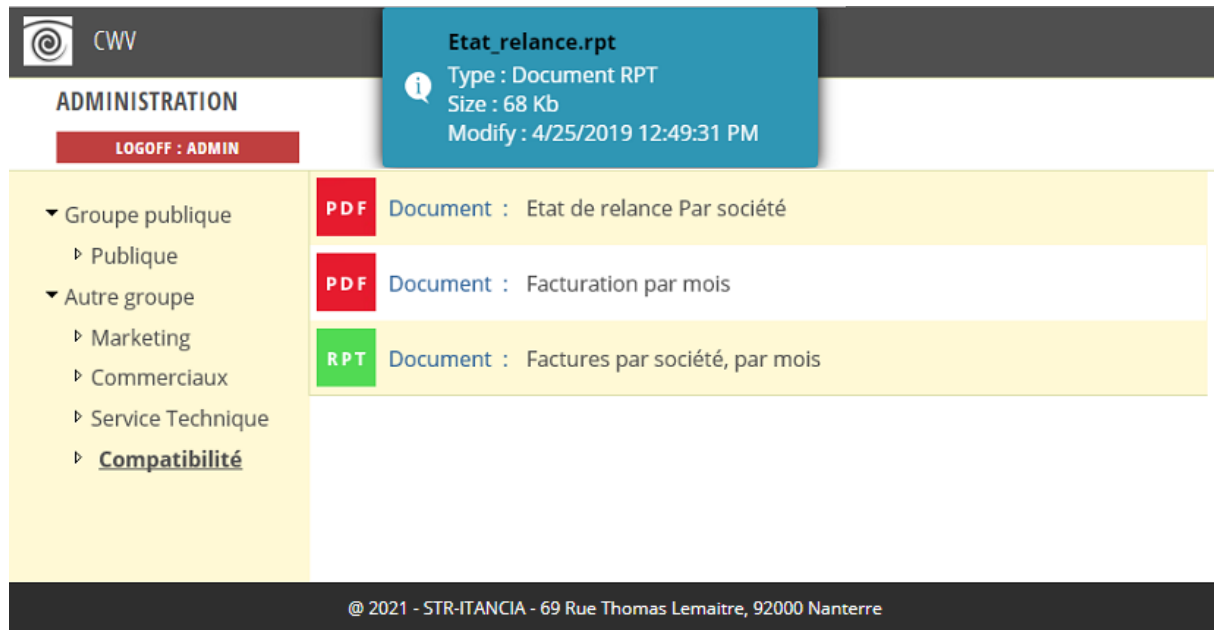
Navigation

During the product installation, Crystal Web Viewer creates an http shortcut for navigation and visualization interface named WebViewer.

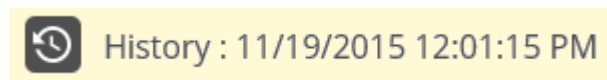
The category selection appears then the list of reports and documents made available followed by a description.

If a description of the document is not completed, the description line will be omitted from the display.

On click on the document icon will bring up its extension type, its size and modification date/time.




The screenshot displays the Crystal Web Viewer (CWV) interface. At the top left, there is a logo and the text 'CWV'. Below it, the word 'ADMINISTRATION' is visible, along with a red button labeled 'LOGOFF : ADMIN'. A blue tooltip is open over a document icon, showing the following information: 'Etat_relance.rpt', 'Type : Document RPT', 'Size : 68 Kb', and 'Modify : 4/25/2019 12:49:31 PM'. The main content area shows a list of documents with their respective icons (PDF or RPT) and descriptions: 'Document : Etat de relance Par société', 'Document : Facturation par mois', and 'Document : Factures par société, par mois'. On the left, a sidebar menu lists categories: 'Groupe publique' (with sub-items 'Publique'), 'Autre groupe' (with sub-items 'Marketing', 'Commerciaux', 'Service Technique', and 'Compatibilité'). At the bottom, a footer contains the text '@ 2021 - STR-ITANCIA - 69 Rue Thomas Lemaitre, 92000 Nanterre'.



A yellow box containing a circular icon with a clock and a refresh symbol, followed by the text 'History : 11/19/2015 12:01:15 PM'.

If exist, a history link is displayed after description document.

The option can be disabled for a user since the module to restrict the access.

While clicking on this icon,  the option of suppression of this history or all the histories of the user will be proposed.

Register your product

Activate a 60-day evaluation product to a full version.

The screenshot displays a web application interface. At the top, there is a dark header with a logo and the text 'CWV' on the left, and '> HOME - ADMINISTRATION' on the right. Below the header, a navigation bar contains the links 'GROUPS | CATEGORIES | DOCUMENTS | NAVIGATION'. A sidebar on the left provides a summary of the system's state: 'The product is registered' and 'Actually is defined :'. It lists: 10 Groups, 18 folder(s), 49 categories, and 45 documents. The main content area features a vertical menu with icons and labels: 'Management of groups and folders', 'Management of categories', 'Management of documents', 'Navigation', 'Register your product', 'Restrict the access', and 'System configuration'. The 'Register your product' option is highlighted. Below this menu, a yellow modal form titled 'Register your product' is shown. It contains three input fields labeled 'Company :', 'Reference :', and 'Serial Number :'. A red button labeled 'ENTER' is positioned at the bottom of the form.

CWV > HOME - ADMINISTRATION

GROUPS | CATEGORIES | DOCUMENTS | NAVIGATION

To obtain the list of the document

The product is registered
Actually is defined :

- 10 Groups
- 18 folder(s)
- 49 categories
- 45 documents

Management of groups and folders

Management of categories

Management of documents

Navigation

Register your product

Restrict the access

System configuration

Register your product

Company :

Reference :

Serial Number :

ENTER

The screenshot shows the CWV interface with a dark header containing the CWV logo and '> RESTRICT ACCESS'. Below the header is a navigation bar with 'HOME | CATEGORIES | DOCUMENT | NAVIGATION'. The main content area is divided into a left sidebar and a main panel. The sidebar contains a yellow box with the text 'To obtain the list of the documents' and 'The product is registred Actually is defined :', followed by three red square icons and the text '2 Groups', '23 categories', and '26 documents'. The main panel has a yellow background and is titled 'Access to the module of administration'. It features a 'Users available' section with a text input field containing 'Public' and 'Administrateur', and two red arrow buttons. Below this is an 'Access at administration' section with a red user icon, a 'Type' dropdown menu with radio buttons for 'Administrator' (selected), 'Supervisor', and 'Super user', and a text input field containing 'admin'. A red 'UPDATE' button is at the bottom of this section. At the bottom of the main panel, there are two blue square buttons with white plus signs, labeled 'Manage Users' and 'Created or modify a user'.

This feature allows restricting accesses to the module administration and navigation through a defined type Enterprise or Windows NTLM or Active Directory authentication no SSL. It also allows for a user existing systematically to prohibit a certain number of buttons of report or history; the properties of the buttons defined in the module management of the documents having priority.

Connection Type:

Enterprise: makes it possible to create a username with passwords.

Windows NTLM: makes it possible to create a username without passwords and Admin user with password.

(Anonymous connections of the Web server must be disabled, and the Windows authentication must be added and activated for entries CWVW and CWV.

In this mode, the users must be obligatorily connected to the Web server domain.)

Active Directory: makes it possible to create a username without passwords (Anonymous connections of the Web server must be authorized; the user is not inevitably connected to the Web server domain.)

CWW > RESTRICT ACCESS

Solution Crystal eReporting

HOME | CATEGORIES | DOCUMENT | NAVIGATION

To obtain the list of the documents

The product is registred
Actually is defined :

- 2 Groups
- 23 categories
- 26 documents

Access to the module of administration

Users available

- Public
- Administrateur

> <

Access at administration

Type : Administrator Supervisor Super user

admin

UPDATE

+ Manage Users
+ Created or modify a user

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Three types of profile exist:

Administrator: Total control on the portal.

Supervisor: Public and Private Creation of group / folder / category and documents.

Super user: Private creation of group / folder / category and documents.

Simple user: Access only to the navigation of groups / folders / categories and documents.

The principle is to define a global users list which allows you to assign access rights for the administration and part group / folder / category navigation.

Note: A user named "Public" is created by default and associated with the administration console as well as for each category created.

This user can access the portal without any authentication.

In a secure access, a connection to the portal is requested; the page named /CWV/login.aspx appears then.

For Administrator profiles, access to the administration page is generated.

CWV

AUTHENTIFICATION

Enterprise Windows NTLM AD

User name :

Password :

CONNECTION

[Forgot your Password?](#)

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Creating a user Windows NTLM / AD Administration Type

HOME | CATEGORIES | DOCUMENT | NAVIGATION

To obtain the list of the documents

The product is registered
Actually is defined :

- 2 Groups
- 23 categories
- 26 documents

Access to the module of administration

Manage Users

Users Win. NTLM or AD

Alphabetical research

Administrateur
Alain
Albert

SEARCH ADD

Users list

Public
admin
Administrateur

SELECT DELETE


Created or modify a user

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Created or modify a user

Users Win. NTLM or AD

User

Password 

Email Address

ADD

For reasons for security and if your Active Directory server is not accessible, it is imperative to create first a local administrator user.

From Section **Created or modify a user**, enter a username with a password that will have access to the administration of documents and click on "Add" button.

- Check "**Users Win. NTLM or AD**".

Enter a valid Active Directory username without a password that will have access to the administration of documents and click on "Add" button.

For an Admin profile in Windows NTLM login mode, you must enter a password.

Click on "Home" menu.

Click on "System configuration" link.

From Section **Connection**, check the type of connection "**NTLM or AD**" and tape the IP address of Active directory server and default domain name.

Click on "Enter" button.

Click on "Restrict access" link.

From Section **Access to the module of administration** affect the two user profiles to access Administration and moving profiles from the list on the left to the right list.

Remove access to "Public" administration profile by moving the right list profile to the list on the left.

Click on "Home" menu.
The user login page displayed (/CWV/default.aspx).

CWV

AUTHENTICATION

Enterprise Windows NTLM AD

User name :

Password :

CONNECTION

[Forgot your Password?](#)

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Connect with the user type Administration by entering the user and the Active Directory password.

The administration page will be displayed.

GROUPS | CATEGORIES | DOCUMENTS | NAVIGATION

To obtain the list of the documents

The product is registered
Actually is defined :

- 10 Groups
- 18 folder(s)
- 49 categories
- 45 documents



- Management of groups and folders
- Management of categories
- Management of documents
- Navigation
- Register your product
- Restrict the access
- System configuration

Click on "Restrict access" link to create other users.

HOME | CATEGORIES | DOCUMENT | NAVIGATION

To obtain the list of the documents

The product is registered
Actually is defined :

- 2 Groups
- 23 categories
- 26 documents



- Access to the module of administration
- Manage Users

Users Win. NTLM or AD

Alphabetical research

Administrateur
 Alain
 Albert

SEARCH
ADD

Users list

Public
 admin
 Administrateur

SELECT
DELETE



Created or modify a user

Type a letter or part of a name and * or **all** to search for existing Active Directory from the list usernames.

Type ***Name of group AD*** for display all users of this group.

Select one or more names and then click on "Add" button.

In addition, you can mix type AD and enterprise users.

For authentication Windows NTLM, set the connection type NTLM:

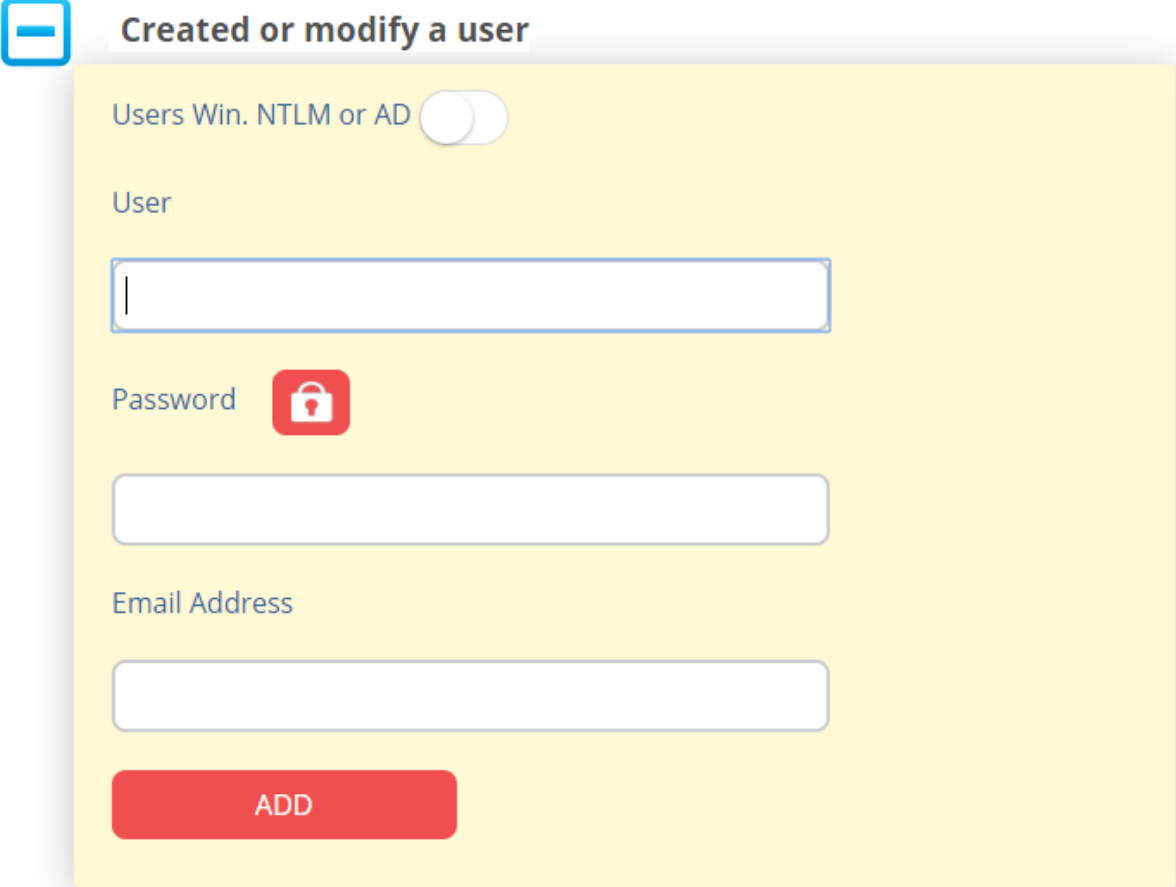
Click on "Home" menu.

Click on "System configuration" link.

Check the type of connection "Windows NTLM".

Click on "Enter" button.


Creating a user Enterprise Type



Created or modify a user

Users Win. NTLM or AD

User

Password 

Email Address

ADD

From Section **Created or modify a user**, enter a username with password that will have access to the administration of documents and set one or more addresses email spaced by commas and click on "Add" bottom button.

CWV > RESTRICT ACCESS

HOME | CATEGORIES | DOCUMENT | NAVIGATION

To obtain the list of the documents

The product is registered
Actually is defined :

- 2 Groups
- 23 categories
- 26 documents

-

Access to the module of administration

Users available

Public
Administrateur

>
<

Access at administration

Type : Administrator Supervisor Super user

admin

UPDATE

+

Manage Users

+

Created or modify a user

From Section **Access to the module of administration**, affect the profile user access Administration by moving the profile from the list on the left to the list on the right.

Remove access to "**Public**" administration profile by moving the right list profile to the list on the left.

Click on "Home" menu.

The user login page displayed (/CWV/Default.aspx).

CWV

AUTHENTIFICATION

Enterprise Windows NTLM AD

User name :

Password :

CONNECTION

[Forgot your Password?](#)

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Connect with the Enterprise user type by entering the user and password.
The administration page will be displayed.

In connection type Enterprise, the link **Forgot your Password** makes it possible to receive by email recorded the encrypted password.
Set the name of user like one of the adresse email defined in the user profile.

In connection type AD or NTLM, the link **Forgot your Password** sends your request by email to all the administrators of portal CWV.
Set the name of user.

GROUPS | CATEGORIES | DOCUMENTS | NAVIGATION

To obtain the list of the documents

The product is registered

Actually is defined :

- 10 Groups
- 18 folder(s)
- 49 categories
- 45 documents



Management of groups and folders

Management of categories

Management of documents

Navigation

Register your product

Restrict the access

System configuration

Click on "Restrict access" link to create other users.



Created or modify a user

Users Win. NTLM or AD

User

Password




Email Address

ADD

Enter a username and password and click on "Add" button.

Change the Administrator profile type

The screenshot shows the 'Solution Crystal eReporting' administration interface. At the top, there is a logo 'CWV' and a '> RESTRICT ACCESS' link. The main navigation bar includes 'HOME | CATEGORIES | DOCUMENT | NAVIGATION'. On the left, a sidebar contains the text 'To obtain the list of the documents' and 'The product is registred Actually is defined :', followed by three red square icons and their corresponding counts: '2 Groups', '23 categories', and '26 documents'. The main content area is titled 'Access to the module of administration' and features a yellow background. It includes a 'Users available' list with 'Public' and 'Administrateur' entries. Below this list are navigation arrows. The 'Access at administration' section contains a 'Type:' label with three radio buttons: 'Administrator' (selected), 'Supervisor', and 'Super user'. A text input field below contains the name 'admin'. A red 'UPDATE' button is positioned at the bottom of this section. At the bottom of the main content area, there are two blue plus icons with the labels 'Manage Users' and 'Created or modify a user'. The footer of the interface displays the copyright information: '@ 2021 - STR-ITANCIA - 69 Rue Thomas Lemaitre, 92000 Nanterre'.

From Section **Access to the module of administration**, click on  for display the profile type. Change the type and click on UPDATE button.

Change the user password

HOME | CATEGORIES | DOCUMENT | NAVIGATION

To obtain the list of the documents

The product is registred
Actually is defined :

- 2 Groups
- 23 categories
- 26 documents

+ Access to the module of administration

- Manage Users

Users Win. NTLM or AD

Alphabetical research

SEARCH

Users list

SELECT DELETE

+ Created or modify a user

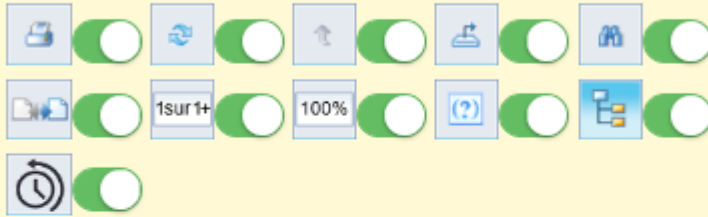
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From Section **Manage Users**, select a username since the users list and click on SELECT button.

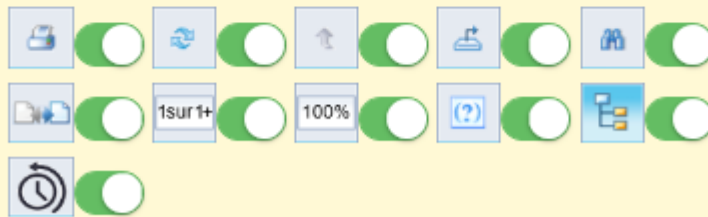


Created or modify a user

List of buttons



Historical properties



Users Win. NTLM or AD

User

admin

Password



•••••

Email Address

CHANGE

CANCEL

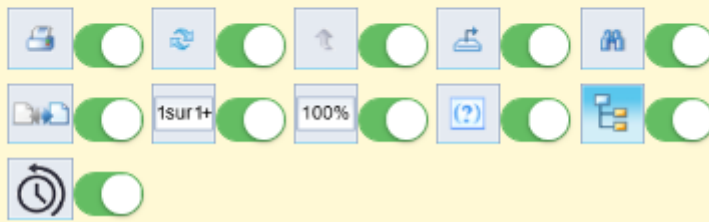
Change the password and click on CHANGE button.

The removal of a user is done while clicking on a user since the list of the recorded users, then while clicking on the button to remove

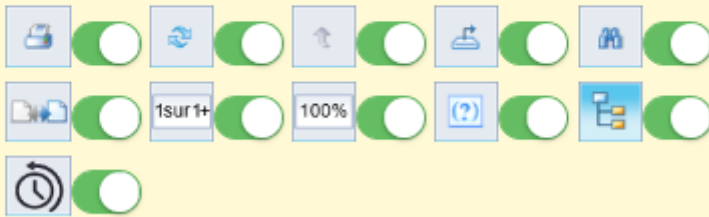


Created or modify a user

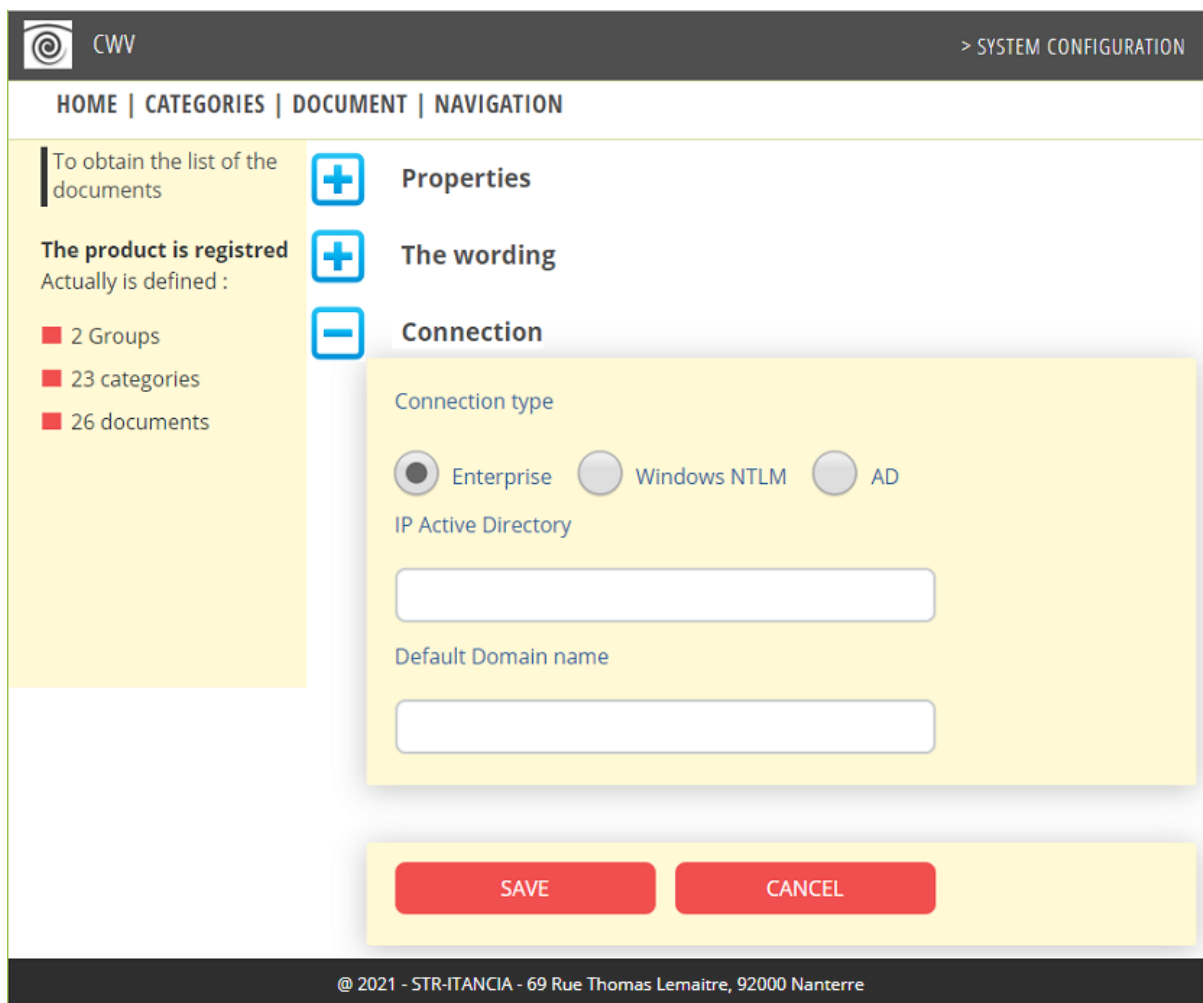
List of buttons



Historical properties



In modification mode of users only, the list of the buttons of report and history will appear. Prohibitions of buttons defined for the user selected in the module to restrict the access takes the top on those defined in the module management of the documents and they apply for the all documents and categories of the selected user.



A few general settings are possible to customize the interface of Crystal Web Viewer.

These parameters are available from the administration interface in the section "System configuration".

They are then saved in a file named "web.config".

Any access security management and modification of a system configuration parameter will be prompted to connect again to the administration, through your administrator profile.

Section property

Allows or not to refreshing report file (.rptr) by the user, otherwise, the "Refresh" and "Parameter list" button will be hidden in the previous report or history.

Define adequate parameters SMTP to activate the function of **Forgot Password**.

Section The wording:

You can change the various labels displayed in the administration and navigation interface. The title, subtitle, footer and logo.

You can reset the default logo and banner of the product by clicking on the "Init" button.

Display Banner option: to display or not the banner of the image and its text.

Ability to adjust the width of the banner image by modifying the file
\\App_Themes\\Default.css (Add **height: 40px;** to .bandeau)

```
.bandeau {  
width: 100%;  
height: 40px;  
}
```

Section Connection:

Opportunity to select the type of connection used in a secure management "Enterprise Windows NTLM or Active Directory".

Change the IP address of the Active Directory Server.

Set a default domain for NTLM connection type.

Display on tablet or mobile devices

SAP Crystal Runtime (copyright of SAP Business Objects) is officially not compatible with the tablet or mobile devices.

On an experimental solution, STR-ITANCIA added parameters related to display CSS3 to allow under certain conditions displaying the report Crystal Reports on this device.

Current restrictions all tablets or mobiles:

Exclusive use of the GOOGLE CHROME navigator for all tablets or mobiles.


IPHONE or IPAD devices restrictions:

Exports of report in pdf or another format can be only visualized with the screen, however, the printing button from preview report can be used for generated the file exported on the server, the export.aspx or exporth.aspx is displayed and the link can be downloaded.

By nonnative SAP Business Objects compatibility and diversity and the constant evolutions of the typical tablet and mobile devices, STR-ITANCIA discharges from all responsibility concerning the possible problems of execution on the tablet or mobile devices.

Close reports and database connections

Best practices:

Before leaving the window of report or history, click on the icon  for close the window, database connections and temporary files (windows\temp).

With each login or logoff connection of the portal (protected mode) and before each new opening of report, CWV tries to reload the last report previously to close objects and temporary files.

With each browser closing session (30 minutes) CWV tries to reload the last report previously to close objects and temporary files.

Access rights

Concerning access rights, the installation creates a set of folders with specific access rights. If the portal does not work correctly, make sure the folders named "Documents" and "App_data" and "histories" have access rights in reading/writing for the following accounts:

- Network Service and IIS_IUSRS (installation on the OS: Seven, Server 2008, 2012, 2016, Windows 10).

Connection type NTLM

In this type of connection, since the administration of IIS, the anonymous Connection option must be disabled, and the option Authentication Windows activated on entry CWVW and CWV.

NTLM security with Firefox

Within the type of NTLM connection by default, Firefox do not manage this type of authentication (functions only with the Windows customers):

From the window of Firefox, set "about:config" without the coasts.

Then in the field filters, to seek "network.automatic-ntlm-auth.trusted-uris" without the coasts.

Click on the type String and enter the URL of execution of CWV spaced by commas.

Example:

<http://Serveur:86/CWV/default.aspx>,http://Serveur:86/CWV/admin_accueil.aspx,<http://Serveur:86/CWV/login.aspx>

Internet Explorer security

In the Print request, if the IE security bar prevents you from installing the ActiveX print control.

From the report previous, press F2, the PrintControl.msi program will ask to run.

This will automatically install the Crystal print control.

You can also physically copy the program PrintControl.msi to install it on the client workstation.

In the export request, if the IE security bar prevents you to save the exported file.

With 10X

Open Internet Explorer.

Click on **Tools** button, on "**Pop-up Blocker**", and then click on "**Pop-up Blocker Settings**".

Uncheck the checkbox "**Show Information Bar when a pop-up is blocked**".

Uncheck the checkbox "**Play a sound when a pop-up is blocked**".

Add in "**Address of Web site to allow**" the address of your Web site.
Exit Internet Explorer.

Open Internet Explorer again.

Click on **Tools** button, and then click **Internet Options**.
Click on **Security** tab.

Following if your site is local or external, select "**Internet**" or "**Local Internet**"
Level allowed for this zone (**Medium**).

Uncheck the checkbox "**Enable protected mode**" then click on "**Custom level**".

In the section "**Downloads**" from the list, under "**Automatic prompting for file downloads**",
click on "**Enable**".

In the section "**Downloads**" from the list, under "**File download**", click on "**Enable**".

In the section "**ActiveX controls and plug-ins**" from the list, under "**Automatic prompting for ActiveX controls**", click on "**Enable**".

Click on **OK** button, and then **Yes** to confirm that you want to make these changes, and then click on **OK** button.

Exit Internet Explorer.

Functionality

To simplify to the maximum the application, the latter based on a two XML file (XMLFILE.xml and SECUSERS.xml) located in a directory named "**App_Data**".

It behaves like a database and it is essential for the proper functioning of the product. Make sure you keep this document intact

In addition to category from the administration, all categories are created in a directory named "**Documents\Group name\Folder name\Category name**".

In addition to documents from the administration, all files are saved in a directory named "**Documents\Group name\Folder name\Category name\Filename**".

In allowed to history documents from the administration, all histories files are saved in a directory named "**histories\Group name\Folder name\Category name\UserIP_Name of document.rpt**".

WEB.CONFIG

Correspondence between the "System configuration" and the file tags "web.config":

```
<add key="HTitre" value="CWV" />
<add key="HSTitre" value="Solution de eReporting" />
<add key="FTexte" value="STR-ITANCIA - 69 Rue Thomas Lemaitre, 92000 Nanterre" />
<add key="llogo" value="Images/navigation2.png" />
```

The following tags allow you to change some properties related to the Crystal Reports viewer:

```
<add key="HTitre" value="CWV"/>
<add key="HSTitre" value="Solution Crystal eReporting"/>
<add key="FTexte" value="Softline Solutions - 4 av morane saulnier - 78140 Velizy"/>
<add key="llogo" value="Images/navigation2.png"/>
<add key="llogo2" value="Images/bandeau.jpg"/>
<add key="HasRefrechRptr" value="0"/>
<add key="CrystallImageCleaner-AutoStart" value="1"/>
<add key="CrystallImageCleaner-Sleep" value="60000"/>
<add key="CrystallImageCleaner-Age" value="120000"/>
<add key="KeyPrintButtonCode" value="113"/>
<add key="HasAD" value="0"/>
<add key="HasADAdress" value=""/>
<add key="HasNT" value="0"/>
<add key="HasDomainName" value=""/>
<add key="HasDefaultTheme" value="Default"/>
<add key="aspnet:UseLegacyBrowserCaps" value="true"/>
<add key="SafariIphoneScale" value="0" />
<add key="HasSmtpHost" value="" />
<add key="HasSmtpPort" value="" />
<add key="HasSSL" value="1" />
<add key="HasSmtpUser" value="" />
<add key="HasSmtpPassword" value="" />
<add key="HasSmtpFrom" value="" />
<add key="HasRestrictExpRpt" value=" YES "/>
<add key="HasRestrictExpRptr" value=" YES "/>
<add key="HasRestrictExpOnlyPdf" value="NO"/>
<add key="HasDisplayBanner" value="YES"/>
```

Ability to specify UserID and Password for data sources used by reports:

Use the [CryptoPass.exe](#) program to Encrypt the UserID and Password.

```
<add key = "DSN or SERVER" value = "UserID|Password" />
```

Ability to specify only Password for data sources used by reports:

```
<add key = "DSN or SERVER" value = "Password" />
```

Use [CryptoPass.exe](#) to encrypt the UserID and password.

Temporary files and recycling IIS application pool

You can manage IIS application recycling and temporary files windows\temp.

1)

With the Windows scheduled tasks, run a .cmd file that will launch a command to deletes all files in \Windows\Temp.

```
IF NOT EXIST \Windows\TEMP GOTO SKIPWITEMP
:: Fix attributes
ATTRIB -H -S -R /S /D \Windows\temp\*. * >> nul 2>&1

:: SubFolders
FOR /D %%b IN ("\"Windows\Temp\*. *") DO RD /S /Q "%%b" >> nul 2>&1

:: Files
DEL /F /S /Q \Windows\temp\*. * >> nul 2>&1
: SKIPWITEMP
EXIT
```

Security of folder \windows\Temp is:

IIS_WPG , IIS_IUSRS and NETWORK_SERVICE Full Control.

By default, the recycling is initialized every 29 hours.

2) Recycling IIS setting

In the IIS configuration manager, on CWV Application Pools, set **Property**.

On recycling tab

Uncheck the option **Recycle worker processes**.

Check the "**Recycle the process of work**" option at the following times.

Add a specific time. Example: 7:00

Firewall safety and update certificate

If for security reasons, you prevent your server to access the Internet, you have therefore slowdown problems at the first launch of a report.

To solve this problem, perform the following steps:

Change the "machine.config" file being in:

C:\WINDOWS\Microsoft.NET\Framework\v4.0.30319\CONFIG

After the line `</system.web>`

Paste the following lines:

```
<runtime>  
<generatePublisherEvidence enabled="false"/>  
</runtime>
```

3) Create a file named `w3wp.exe.config` in:

c:\windows\system32\inetsrv

or

C:\Windows\SysWOW64\inetsrv

Paste the following lines:

```
<?xml version="1.0" encoding="utf-8"?>  
<configuration>  
<runtime>  
<generatePublisherEvidence enabled="false"/>  
</runtime>  
</configuration>
```

4) To start again your Windows server.