Setup

INTRODUCTION

The setup procedure for VISUAL PLANNING 5.3 depends on the version:

- VISUAL PLANNING ONE
- VISUAL PLANNING ESSENTIAL
- VISUAL PLANNING ENTERPRISE

Be aware of the updating procedure of VISUAL PLANNING, see UPDATE VISUAL PLANNING

MINIMAL CONFIGURATION

Before starting the VISUAL PLANNING installation, check if the technical requirements are fulfilled.

cf. Technical Requirements

VISUAL PLANNING ONE 5.2

cf. Setup VP ONE

VISUAL PLANNING ESSENTIAL 5.2

cf. Setup VP ESSENTIAL

VISUAL PLANNING ENTERPRISE 5.2

cf. Setup VP ENTERPRISE
Update

INTRODUCTION

This document describes how to proceed an update of minor versions of VISUAL PLANNING 5.3

This procedure depends on the version installed.

- VISUAL PLANNING ONE
- VISUAL PLANNING ESSENTIAL
- VISUAL PLANNING ENTERPRISE

This document does not concern the major updates.

The Builds are optional and are only available if the maintenance is current.

Updating VISUAL PLANNING requires that the initial installation has taken place : cf. Setup VISUAL PLANNING

REQUIREMENTS

- Your license of VISUAL PLANNING is in version 5.3 (earlier versions : contact us)
- The program is not open on any user position.
- The installation contains the vp53upd.exe program.

This file can be found :

- for VISUAL PLANNING ONE in :
  C:\stilog\Visual Planning One 5.3\bin

- for VISUAL PLANNING ESSENTIAL in :
  C:\stilog\VPServer Essential 5.3\bin

- for VISUAL PLANNING ENTERPRISE in :
  C:\stilog\VPServer Enterprise 5.3\bin

BUILD
There are several ways to know the number of the last build available and its contents.

You must first bring your serial number.

From a browser:

- Start address: http://en.upd.visual-planning.com
- Or go to the visual-planning.com website > Update menu

From VISUAL PLANNING:

- Quick access bar > Preferences > About VisualPlanning > Check for update

It is also possible to be notified of updates when starting the tool: Go to Quick access bar > Preferences > About VisualPlanning

You must then check the box Check for update on startup.

VISUAL PLANNING ONE

c.f. Update VISUAL PLANNING ONE

VISUAL PLANNING ESSENTIAL

c.f. Update VISUAL PLANNING ESSENTIAL

VISUAL PLANNING ENTERPRISE

c.f. Update VISUAL PLANNING ENTERPRISE

MODULES OF VISUAL PLANNING

When VISUAL PLANNING is updated, the modules that are installed are automatically updated.

These modules do not require a dedicated update.

Update, technical, one, essential, enterprise
Upgrade

INTRODUCTION

This document provides detailed steps for upgrading to a major version of VISUAL PLANNING ENTERPRISE or VISUAL PLANNING ESSENTIAL.

The upgrade process is different depending on the version of VISUAL PLANNING that was previously installed on the server: 4.x (e.g. 4.4) or 5.x (e.g. 5.2, 5.1, etc.).

This process is only for upgrades to a major version. If you need to install a minor update or “build”, please refer to Minor update.

This document does not describe the upgrade procedure for VISUAL PLANNING ONE.

REQUIREMENTS

In order to be able to complete the upgrade, please make sure:

- that you have received the upgraded VISUAL PLANNING 5.3 license numbers from Stilog
- that your infrastructure complies with VISUAL PLANNING 5.3 requirements (cf. Technical Requirements).

UPGRADE from VISUAL PLANNING 5.x to VISUAL PLANNING 5.3

If you have a testing environment, it is strongly recommended to run the upgrade on the test server before applying the upgrade to your production environment.

The testing environment MUST NOT use the same database server as the production environment.

In order to upgrade an existing VISUAL PLANNING 5.x installation to VISUAL PLANNING 5.3, please proceed as follows:

- Request your upgrade VISUAL PLANNING 5.3 serial numbers from Stilog
- Perform a backup of all of your planners that are currently in use by exporting them to a *.VPS file.
On your server machine, stop the vpserver service.

Run the VISUAL PLANNING 5.3 application server setup as described in Installation of VISUAL PLANNING ENTERPRISE. When the installer asks if the installation is an upgrade from an earlier version of Visual Planning, select “yes”.

Proceed with the database connection configuration and licenses registration. Enter your new VISUAL PLANNING 5.3 serial numbers in the licenses registration screen.

Uninstall the previous version and send the uninstall code to support@stilog.com.

UPGRADE from VISUAL PLANNING 4.4 to VISUAL PLANNNING 5.3

Please note that there are functional differences between version 4.4 and version 5.x.

User permissions cannot be migrated and will need to be configured again.

The following page lists all differences: Functional differences between 4.4 and 5.X.

To upgrade from VISUAL PLANNING 4.4 to VISUAL PLANNING 5.3, please proceed as follows:

• Verify that the build on your version 4.4 installation is at least “11ddmm” or higher (e.g. build 110107 or 151125).

• Perform a backup of all planners in a *.VPS format. It is not necessary to save the GDU.

• Install version 5.3 (cf. Installation)

• Import all VPS files of your 4.4 planners (cf. Import planners)

• Create or import users (cf. User Management)

• Create user permissions (cf. Permissions Management)

update, upgrade, technical
Setup VP ENTERPRISE

INTRODUCTION

VISUAL PLANNING ENTERPRISE is the network version of VISUAL PLANNING software (n-tier architecture).

There are a few steps needed to follow in order to successfully install Visual Planning:

1. Install and/or configure the DBMS which will be used with Visual Planning,
2. Install the application server,
3. Link the application server with the DBMS,

You will find the procedure to install a minor update of Visual Planning here: Update VISUAL PLANNING ENTERPRISE.

TECHNICAL REQUIREMENTS

The compliance with the technical requirements needs to be verified before the installation of VISUAL PLANNING ENTERPRISE.

This version of VISUAL PLANNING is the client/server networks version. It is necessary to use a server and workstations.

Workstation

- **Hardware**
  - Central Processing Unit (CPU): INTEL Processor / AMD 2Ghz
  - Random Access Memory (RAM): 512MB (WINDOWS XP SP2, SP3), 2GB (WINDOWS VISTA, WINDOWS 7, 8 all versions)
  - Free Hard disk (HD): 100MB minimum

- **Software**
  - JAVA execution environment version 1.6 or 1.7 downloadable here: 

The maintenance and the technical support are only guaranteed in a PC environment.
Server

The server configuration described below is the one by default. This configuration have to be adjusted depending on how the software is used and how many simultaneous users are forecasted.

For further information, please contact the VISUAL PLANNING support service: sav@stilog.com.

- **Hardware**
  - Central Processing Unit (CPU): INTEL Processor / AMD 2Ghz
  - Random Access Memory (RAM): 1GB (WINDOWS XP SP2, SP3), 4GB (WINDOWS VISTA, WINDOWS 7 64bits, WINDOWS 2003 64bits, WINDOWS 2008 64bits, WINDOWS 2012 64bits), 2Go (Linux, IBM-AIX)
  - Free Hard disk (HD): 200MB minimum

- **Software**
  - Database Management System (DBMS): MYSQL 5.x, MICROSOFT SQL SERVER 7, 2005, 2008 and all versions based on SQL Server engine, ORACLE 9i, 10g, 11g and Postgre.
  - J2EE server application is needed for all non-WINDOWS server installations or installations which don't use the VPServer package: TOMCAT 5.x, JONAS, JBOSS, WEBSHERE, WEBLOGIC 10.3;

Network

With VISUAL PLANNING ENTERPRISE, all planners can be reached through any internet browser.

The necessary flow to comfortably use the software depends on: the number of users sharing the same connection simultaneously, the way the planners are used (frequency...), the volume of data...

The minimal bandwidth required for each user is 64kbit/s (8KB).

It is recommended to open the planners using an ADSL connection.

DBMS SETUP

The installation of VISUAL PLANNING should not start without making sure that the chosen DBMS is already up and running.

If there is no DBMS, it is possible to install the MYSQL version delivered with Visual Planning.

MYSQL Case
There are two ways to install MYSQL:

- Through the MYSQL version delivered with Visual Planning,
- Or by using an already existing MYSQL server.

**Through the MYSQL delivered with Visual Planning**

First, you must start the **mysql5067.exe** executable file included in the delivery.

It's required to specify the physical disk where the MYSQL directory will be created *(ex: C:\ or D:)*

Select **extract** to create the **D:\mysql** file.

Once the extraction is completed, go to **D:\mysql\bin directory** and double click on the «winmysqladmin.exe» file.

The window below comes up:
Select **Execute** to install and start the MYSQL service.

To make sure that the MYSQL service is active, check in the **WINDOWS Task Manager** to make sure that the ***mysqld.exe*** process has started.

![myqld.exe process](image)

If the line above is not visible, it means that the MYSQL service wasn't able to start.

In this case, contact the VISUAL PLANNING support at [sav@stilog.com](mailto:sav@stilog.com).

**Through an already existing MYSQL**

If a MYSQL server version 5.x or later version is already being used, you have to create a MYSQL user and assign it to VISUAL PLANNING (ex: *vpuser*).

In order to do this, you must use the script below:

```sql
mysql> CREATE USER 'vpuser'@'%' IDENTIFIED BY 'vpuser_password';
mysql> GRANT ALL PRIVILEGES ON *.* TO 'vpuser'@'%' WITH GRANT OPTION;
```

Don't forget to replace the *vpuser_password* by the actual password of the *vpuser*.

It is important to remember this password because you will need it during the setup and also to be able to access VISUAL PLANNING on your server.

**SQLSERVER Case**

VISUAL PLANNING is only compatible with SQLSERVER instance when the authentication mode is **mixed**, so if SQL SERVER is in a **WINDOWS** authentication mode it has to be modified.

Here is the procedure to be followed:

- Start the **Enterprise Manager** application
- **Right-click on the server name**
- Activate **Properties** option in the contextual menu
- Activate the **Security** tab in the displayed dialog box
- Click the **SQLServer** and **WINDOWS** authentication mode,
- Click on **OK** button to validate the modification.

Then, create a SQLSERVER user assigned to VISUAL PLANNING (ex: *vpuser*).
Here is the procedure to be followed:

- Start the **Enterprise Manager** application
- **Left-click on your server name**
- **Double-click on the Security file**
- **Right-click on the Login element**
- Activate the **New login** option in the contextual menu

The following dialog box comes up:

![SQL Server Login Properties - New Login](image)

In the **General** tab, proceed as follow:

- Enter the **user name** (ex: vpuser)
- Click the **SQL Server Authentication** option

In the **Server Roles** tab:

- Click the **Database creator** role.

Then choose **OK** to validate.

This user name and the password will be required during the software setup.

That is why it is imperative to know them before starting the setup.
If the SQLSERVER version is more recent than the SQLSERVER 2005 version, the TCP/IP protocol needs to be activated.

If it’s not, open **SQL Server Configuration Manager** and start the TCP / IP protocol:

<table>
<thead>
<tr>
<th>Object</th>
<th>Name</th>
<th>Disk space</th>
</tr>
</thead>
<tbody>
<tr>
<td>TableSpace</td>
<td>USERS</td>
<td>700 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>INDEX</td>
<td>500 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>SYSTEM</td>
<td>500 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>TEMP</td>
<td>200 MB</td>
</tr>
</tbody>
</table>

**ORACLE Case**

Create an instance for VISUAL PLANNING (ex : VPSID).

This instance can be an existing one but it is better to configure a new Oracle database instance for VISUAL PLANNING.

The value of each disk space below is just an example. Each value will be adjusted according to the use of VISUAL PLANNING.

Once the Oracle instance for Visual Planning is created, create a username and assign it to VISUAL PLANNING (ex : VISUALPLANNING) by using the script below:

```sql
Sqlplus system/<passwdSystem>@VPSID
CREATE USER <userName> IDENTIFIED BY <passwd>
GRANT CONNECT TO <userName>
GRANT CREATE SESSION TO <userName> WITH ADMIN OPTION
GRANT CREATE TABLE TO <userName> WITH ADMIN OPTION
GRANT UNLIMITED TABLESPACE TO <userName> WITH ADMIN OPTION
GRANT CREATE USER TO <userName>
GRANT DROP USER TO <userName>
```

If the ORACLE user is not in compliance with the script, VISUAL PLANNING will not work properly.
All the tablespaces of the Oracle instance receiving VISUAL PLANNING, but also the username and the password assigned to Visual Planning will be required during the software setup. It is mandatory to have all this information before starting the setup.

**APPLICATION SERVER SETUP**

VISUAL PLANNING ENTERPRISE can be installed:

- Either using the whole package of vp53enterprise
- Or using an existing J2EE server

**The whole package setup**

First, start the **vp53enterprise.exe** package

The window below comes up:

![Welcome screen of Visual Planning Enterprise Setup](image)

Click on **Next** to continue.

A window containing the license agreement will appear:
You are advised to read the terms and conditions of the license agreement. If you refuse to agree to the terms, the setup procedure will abort.

Click on **Next** to continue.

A window appears:

![Visual Planning Enterprise Setup](image)
It's better not to change the predefined file location especially if the computer is running MICROSOFT WINDOWS VISTA, 7, 2003 or 2008.

However, keep in mind, if you want to change the location, make sure that the name of your folder remains the same: « VPServer Enterprise 5.3 ».

Click on **Next** to continue.

The window above opens up showing the chosen settings, if you want to modify them please click on **Back**, if not, click on **Next** to continue.
The installer will ask if this is an upgrade of previous VP version (Select accordingly)

If this is an upgrade, the installer will prompt you to select the installation folder of the previous version on the server.
The Installer is now looking for a WEB service already installed on the server (using the Port 80).

If the Installer finds that this port is already taken by another WEB service, the window below comes up:

And if the Port 81 is also already taken, choose an other one (ex : 82), and so on.

Until you select an available port number, this window will remain open.
Click on **Next** to continue.

Click on **Finish**, the installation is now complete.

To start the configuration and the activation of the application, go to the **Start menu > programs > VPServer Enterprise 5.3**.

Click on the **VP web portal application** to launch the configuration page.

**The already existing J2EE server application**
This type of installation is only possible for the VISUAL PLANNING ENTERPRISE version.

Start the setup by opening the *vplanning.war* file which can be obtained by sending an email request to sav@stilog.com.

The deployment procedure described below is for the JAVA TOMCAT 5.0 application server.

If you choose to use another server such as JBOSS or JONAS, please follow the procedure of a WAR file deployment described in these user guides:

- User guide for JBOSS: [http://www.jboss.org/jbossportal/docs](http://www.jboss.org/jbossportal/docs)

First, start the TOMCAT portal server.

Then, **Choose Tomcat Manager**
Then,

- Go to the "WAR file to deploy" section,
- Select the "vplanning.war" file,
- Then click on the Deploy button to launch the deployment.

Once the file is confirmed as deployed, open the Internet browser and go to the address:

http://VP_server:808/vplanning/

where VP_server is the DNS, and 808 the TCP Port used by J2EE TOMCAT server.

These settings must be adjusted according to the installation.

**DBMS CONNECTION**

To link VISUAL PLANNING with the installed DBMS, launch the VISUAL PLANNING web portal.

On MICROSOFT WINDOWS, this web portal can be reached via the Start menu > Programs > VPServer Enterprise 5.3 > VP Portal

When the web portal is launched for the first time, the configuration page about the connection to the DBMS is displayed.

You have to choose which DBMS you want to use. Different options are proposed:
SQLSERVER Case

If you use MICROSOFT SQL SERVER, select **SQLServer** in the list:

Click on **Next** to continue.
Database connection configuration (2)

<table>
<thead>
<tr>
<th>DB System</th>
<th>SQLServer</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNS/IP of the DB server</td>
<td>127.0.0.1</td>
</tr>
<tr>
<td>Port</td>
<td>1433</td>
</tr>
<tr>
<td>User</td>
<td>vpuser</td>
</tr>
<tr>
<td>Password</td>
<td></td>
</tr>
<tr>
<td>Activate 'Pool'</td>
<td></td>
</tr>
</tbody>
</table>

Fill in the fields with the proper parameters of the previously installed SQLSERVER server (c.f. DBMS Setup):

- **DNS/IP of the DB server**: to use a distinctive instance name for VISUAL PLANNING, you have to add this name with the IP server address (ex: 127.0.0.1\sqlExpress) where sqlExpress is this distinctive instance name,
- **Port**: the default value of the port is 1433. If the TCP Port used is different, replace the port 1433 by the correct TCP port,
- **User**: c.f. DBMS Setup,
- **Password**: c.f. DBMS Setup

Then, click on **Next** to continue.

**MYSQL case**

If you use MYSQL, select **MySQL** in the list:
Then click on **Next** to continue.

Fill in the fields with the proper parameters of the previously installed MYSQL server (c.f. **DBMS Setup**):

- **DNS/IP of the DB server**: if the MYSQL version installed is the one delivered by STILOG I.S.T., leave the server address at 127.0.0.1. Otherwise, enter the proper MYSQL server IP address,
- **Port**: the default value is 3306. If the TCP Port used is different, replace the port 3306 by the correct TCP port.
- **User**: c.f. DBMS Setup,
- **Passwd**: c.f. DBMS Setup

Then, click on **Next** to continue.

**ORACLE Case**

If you use ORACLE, select **Oracle** in the list:

Then click on **Next** to continue.
Database connection configuration (2)

Fill in the fields with the proper parameters of the previously installed ORACLE server (c.f. DBMS Setup):

To avoid any problem due to the characters, please enter all information in capital letters (except the password).

- **DNS/IP of the DB server**: c.f. DBMS Setup,
- **Port**: c.f. DBMS Setup,
- **User**: c.f. DBMS Setup,
- **Passwd**: c.f. DBMS Setup.

Then, click on **Next** to continue.

**MSACCESS Case**

**Warning**: The use of MICROSOFT ACCESS as a DBMS for Visual Planning, is not recommended for a configuration of more than 5 users.
If you use the MSACCESS, select **MSAccess** in the list:

Then click on **Next** to continue.

Fill in the fields with the proper parameters of the previously installed MSACCESS (c.f. **DBMS Setup**):
• **DB Folder**: the default value is `{vp.home}/msadatas`, where `{vp.home}` is the setup root of VISUAL PLANNING.

If the data is stored in a different folder, replace the default value by the proper folder.

Then, click on **Next** to continue.

**LICENSE ACTIVATION**

The window below comes up:

![License Activation Window]

- **URL of the application**: verify that this information is correct. The application activation depends on this URL: That's why, if the URL has to be modified, it's mandatory to relaunch the activation,
- **Serial of VP Application**: it is the VISUAL PLANNING serial number. This number is provided by STILOG I.S.T. during the license delivery,
- **Serial of VPVIEWER**: it is the “read-only” license serial number. This number is also provided by STILOG I.S.T. during the license delivery.
- **You can enter multiple license numbers in the provided space. Just separate the by comma(,). Then click on Next to complete the activation.**
Start ADMIN CENTER to activate VISUAL PLANNING. == Correct Configuration == If the configuration is correct, the screen below comes up:

The admin user has no password by default. So click directly on OK. ADMIN CENTER will prompt you to provide the activation license key:
Choose Obtain automatically the key activation by internet, then click on Validate**.

In case of a problem with the activation by internet, feel free to contact the technical support staff:

- Phone: 0033 1 47 29 99 69
- E-mail: sav@stilog.com[sav[@]stilog[.]com

Incorrect Configuration

If the following message is displayed after the JAVA initialization and the launching application acceptance:
It means that the DBMS configuration is incorrect.

In this case, start the Internet browser and use the URL below to obtain the log files:

http://VP_server/vplanning/logs.jsp

Where VP_server is the setup address of VISUAL PLANNING.

Once the problem is identified, change the configuration by going back on the activation page:

http://VP_server/vplanning/activationen.jsp

When the configuration is correct, complete the activation (c.f. Correct Configuration)

Setup, installation, technical, enterprise
Update VP ENTERPRISE

INTRODUCTION

This document describes how proceed to update minor versions of VISUAL PLANNING ENTERPRISE 5.3.

This document does not concern the major updates.

The Builds are optional and are only available if the maintenance is current.

Updating VISUAL PLANNING requires that the initial installation has taken place : cf. Setup VISUAL PLANNING ENTERPRISE

REQUIREMENTS

Make sure VISUAL PLANNING ENTERPRISE is version 5.3 of the software (for earlier versions: contact@stilog.com) Make sure the Visual Planning software is not open on any computer.

DOWNLOAD

To download the update, open an Internet browser and go Here, or click on the picture below.
Enter the serial number in the space provided. This number is provided upon delivery of VISUAL PLANNING.

Download the proposed VISUAL PLANNING file.
The file name should be similar to \texttt{ip53\_160307.vpu}.

The downloaded file should be stored in the Update directory on the server.

Example:

\texttt{C: / STILOG / VP Enterprise 5.3 / update}

\section*{SETUP}

To install the update, it is necessary to stop the VP service in the service manager.

![Stop VP Service](image1)

Make sure that the VPU file is stored in the Update directory on the server. Example:

\texttt{C: / STILOG / VP Enterprise 5.3 / update}

![Update Directory](image2)

If there is a “dumb” file in the update folder, Please delete it and replace it with the \texttt{ip53\_151125.vpu}.

Restart the VPS service in the service manager.

Launch Visual Planning 5.3, and you should see a different build number at the top right of VP screen.
Special case J2EE

VISUAL PLANNING ENTERPRISE version under Tomcat and other J2EE servers based on TOMCAT (JONAS, JBOSS ...).
The installation procedure of the update is different.
The instance vplanning must be stopped on the server.
Unzip the file ip53_151125.vpu (as if it were a *.ZIP file), replace the existing files in the folder:

/ Webapps / vplanning

Restart the instance vplanning on the server.
Functional differences between 4.4 and 5.X

Visual Planning 4.4 functionalities aren't valid in Visual Planning 5.X

- Public and private alarms
- Statistics
- Visualization of event reports without saving them
- Events states (prevent edition of a realised event)
- Printing configuration (scale, headers list...)
- Permanent filters
- Resources Note feature (option « Copy note in the event »)
- Modules
  - Workload Export
  - ICAL Invitation
  - Manual ICS Import
  - Manual ICS Export

Changes in functionalities

- Favorite Displays (duration bar text always visible,...)
- No planning limits per view anymore
- Possibility to add logos when printing
- New links features (time gaps)
- User Rights Management
- Event reports
- Icons management

Auto Conversion from 4.4 to 5.X : not converted elements

All above features and

- User rights management (allocation of groups to planners and permissions)
- Private Favorite Displays are lost
- Private filters are lost
- Private Highlightings are lost
- Private Event reports and some public ones
- Import and export configuration
- Modules
  - Workloads
_emails Configuration
_sms Configuration
_vp mobile Configuration
_mailmerge Configuration
_agenda Configuration
Update VP ONE

INTRODUCTION

This document describes how to proceed to update minor versions of VISUAL PLANNING ONE 5.2

This document does not concern the major updates.

The Builds are optional and are only available if the maintenance is current.

Updating VISUAL PLANNING requires that the initial installation has taken place : cf. Setup VISUAL PLANNING ONE

REQUIREMENTS

- Your license of VISUAL PLANNING is at least in version 5.2 (earlier versions : contact us)
- The program is not open on any user position.
- The installation contains the vp52upd.exe program.

This file can be found in :

C:\stilog\Visual Planning One 5.2\bin

DOWNLOAD

To download the update, go to the VISUAL PLANNING update page,
and enter your serial number.

Download the proposed VISUAL PLANNING file.

This file should be named as **ip52_131016.vpu**.

Make sure the downloaded file is saved on the PC you want to update.

**SETUP**

To install the update, run the update program **vp52upd.exe**. you can find it in:

```
C:\stilog\Visual Planning One 5.2\bin
```
Click on **Continue**

Click on the button ”…” to select the downloaded file

Click on **Update**
A message comes up to confirm the end of the operation.

Click on **Finish**

*Update, technical, one*
From:
https://www.visual-planning.com/doc/ - VISUAL PLANNING 5.3 DOCUMENTATION

Permanent link:

Last update: 2016/04/18 13:34
Setup VP ONE

INTRODUCTION

VISUAL PLANNING ONE is the stand-alone version of VISUAL PLANNING.

This installation of VISUAL PLANNING ONE must be performed directly on the user’s PC.

Be aware of the updating procedure for VISUAL PLANNING ONE, see Update VISUAL PLANNING ONE.

BASIC CONFIGURATION

This is the offline version of Visual Planning and was developed for desktop and laptop computers (single station).

- Hardware Requirement
  - Central Processing Unit (CPU): INTEL Processor / AMD 2 GHz or faster
  - Random Access Memory (RAM): 512 MB minimum for (WINDOWS XP SP2, SP3) and 2GB or higher for (WINDOWS VISTA all versions, WINDOWS 7, 8 all versions)
  - Free Hard disk (HD) space: 100 MB minimum

- Software
  - MICROSOFT MDAC 2.8. The package is preinstalled on all the following MICROSOFT WINDOWS Operating Systems: XP, VISTA, 7 and later versions..

The maintenance and the support are only guaranteed in a PC environment. This version cannot be used in a TSE/CITRIX environment.

INSTALLATION

VISUAL PLANNING ONE is the stand-alone version of VISUAL PLANNING.

It cannot be ran on a server.

To install it, your WINDOWS profile must be allowed to make software installations.

To start the VISUAL PLANNING ONE setup program, it is required to run the vp53one.exe file.
Then, the window below comes up:

Choose **Next** to continue.

The following window presents the licensing agreement.
It is required to read the license conditions of use. If terms are refused, the installation process will stop.

Choose **Next** to continue.

The following window comes up:

![Visual Planning One Setup Window](image)

It is preferable not to change the default suggested path, especially if the computer is using MICROSOFT WINDOWS VISTA or 7.

Nevertheless, if the set up location must be changed, it’s required to keep the directory name **Visual Planning One 5.3**.

Choose **Next** to continue.
Choose **Next** to continue.

- Choose **Next** to continue.
- Or if the information displayed in this window is irrelevant, press **Back** to modify it.
Choose **Finish** to finish the set up.

VISUAL PLANNING will start automatically to enter the license recording phase.
To test the product, press **OK** to continue. The application will be open in the evaluation mode.

To validate the product acquisition, press **Commercial Version** option.

Then choose **OK**

It is required to enter the serial number of VISUAL PLANNING ONE license in the **Serial number** field.

- If the computer has an internet connection, you just have to press **OK**.
- Otherwise, you have to select **Get the activation code by phone** option and contact the support service by phone communicating:
  - The serial number
And the install code which is displayed below the serial number.

The activation code will then be provided by one of our after-sales consultants.

UNINSTALLATION

Note: To move VISUAL PLANNING ONE to another computer, you must absolutely uninstall it and write down the uninstall code. This code is essential for the reinstallation.

To uninstall VISUAL PLANNING, just go to the Start > Programs > Visual Planning One 5.2 menu.

Then click on Uninstall Visual Planning One.

Technical, installation, setup, one
Update VP ESSENTIAL

INTRODUCTION

This document describes how proceed to update minor versions of VISUAL PLANNING ESSENTIAL 5.2

This document does not concern the major updates.

The Builds are optional and are only available if the maintenance is current.

Updating VISUAL PLANNING requires that the initial installation has taken place : cf. Setup VISUAL PLANNING ESSENTIAL

REQUIREMENTS

- Your license of VISUAL PLANNING is at least in version 5.2 (earlier versions : contact us)
- The program is not open on any user position.
- The installation contains the vp52upd.exe program.

This file can be found in :

C:\stilog\VPserver Essential 5.2\bin

DOWNLOAD

To download the update, go to the VISUAL PLANNING update page,
and enter your serial number.

Download the proposed VISUAL PLANNING file.

This file should be named as **ip52_131016.vpu**.

Make sure the downloaded file is saved on the PC you want to update.

**SETUP**

To install the update, stop **vpserver** by the service management of your server

Then, run the update program **vpupd.exe**, you can find it in

```
C:\stilog\VPServer Essential 5.2\bin
```
Click on **Continue**

Click on the button "..." to select the downloaded file

Click on **Update**
A message comes up to confirm the end of the operation.

Click on **Finish**

Finally, start again **vpserver** by the service manager of your server.

**Update, technical, essential**
Setup VP ESSENTIAL

INTRODUCTION

VISUAL PLANNING ESSENTIAL is the small network version of VISUAL PLANNING (1-5 users).

The installation follows 4 steps:

1. DBMS installation,
2. Application server installation,
3. Link between DBMS and application server,
4. License activation.

Be aware of the updating procedure for VISUAL PLANNING ESSENTIAL, see Update VISUAL PLANNING ESSENTIAL.

TECHNICAL REQUIREMENTS

Before starting setting up VISUAL PLANNING ESSENTIAL, it is required to check compliance with the technical requirements.

VISUAL PLANNING ESSENTIAL is an n-tier web application.

It was developed for client/server networks. It is necessary to install Visual Planning on a server.

Note: Only the address defined during the installation (IP fixed or domain name or machine name) could be used to access the planner on the server.

• Example: http://localhost/vplanning.

Before the setup, check to make sure http://localhost/vplanning is reachable from client’s workstations: redirection port, prefix http or https, Intranet or Internet etc ... !

Workstation

• Hardware Requirement
  ◦ Central processing unit (CPU): INTEL Processor / AMD 2GHz
  ◦ Random Access Memory (RAM): 512 MB (WINDOWS XP SP2, SP3), 2GB (WINDOWS VISTA all versions, WINDOWS 7, 8 and later versions)
Free Hard disk (HD) space: 100 MB minimum

Software
- JAVA execution environment version 1.6 or 1.7 downloadable here:

The maintenance and the support are only guaranteed in a PC environment.

Server

The server configuration described below is the one by default. This configuration has to be adjusted depending on how the software will be used and how many simultaneous users are forecasted.

For further information, please contact the VISUAL PLANNING support service: sav@stilog.com.

Hardware
- Central Processing Unit (CPU): INTEL Processor / AMD 2GHz
- * Random Access Memory (RAM): 1GB (WINDOWS XP SP2, SP3), 4GB (WINDOWS VISTA, WINDOWS 7 32/64bits, WINDOWS 2003 32/64bits, WINDOWS 2008 32/64bits, WINDOWS 2012 32/64bits), 2GB (Linux, IBM-AIX).
- Free Hard Disk (HD) space: 200MB minimum.

Software
- Database Management System (DBMS): MYSQL 5.x, MICROSOFT SQL SERVER 7, 2005, 2008 and all versions, based on SQL Server engine, ORACLE 9i, 10g, 11g and Postgre.
- J2EE server application is needed for all non-WINDOWS server installations or installations that don't use the VPServer package: TOMCAT 5.x, JONAS, JBOSS, WEBSPHERE, WEBLOGIC 10.3;

Network

With VISUAL PLANNING ESSENTIAL, all planners can be reached through any internet browser.

The necessary bandwidth to comfortably use the software depends on: number of users sharing the same connection simultaneously, type of use (mostly frequency), volume of data transferred.

The minimal bandwidth required by a user is 64kbit/s (8KB).

It is recommended to open the planners using an ADSL connection.

DBMS SETUP

The installation of VISUAL PLANNING should not start without making sure that the chosen DBMS is already up and running.
If there is no DBMS, it is possible to install the MYSQL version delivered with Visual Planning.

**MYSQL Case**

There are two ways to install MYSQL:

- Through the MYSQL version delivered with Visual Planning,
- Or by using an already existing MYSQL server.

**Through the MYSQL delivered with Visual Planning**

First, you must start the `mysql5067.exe` executable file included in the delivery.

It’s required to specify the physical disk where the MYSQL directory will be created *(ex : C:\ or D:\)*

Select **extract** to create the *D:\mysql* file.

Once the extraction is completed, go to *D:\ mysql \ bin directory* and double click on the «`winmysqladmin.exe`» file.

The window below comes up:
Select **Execute** to install and start the MYSQL service.

To make sure that the MYSQL service is active, check in the **WINDOWS Task Manager** to make sure that the **mysql.exe** process has started.

If the line above is not visible, it means that the MYSQL service wasn't able to start.

In this case, contact the VISUAL PLANNING support at **sav@stilog.com**.

**Through an already existing MYSQL**

If a MYSQL server version 5.x or later version is already being used, you have to create a MYSQL user and assign it to VISUAL PLANNING (ex : *vpuser*).

In order to do this, you must use the script below:

```sql
mysql> CREATE USER 'vpuser'@'%' IDENTIFIED BY 'vpuser_password';
mysql> GRANT ALL PRIVILEGES ON *.* TO 'vpuser'@'%' WITH GRANT OPTION;
```

Don't forget to replace the **vpuser_password** by the actual password of the **vpuser**.
It is important to remember this password because you will need it during the setup and also to be able to access VISUAL PLANNING on your server.

**SQLSERVER Case**

VISUAL PLANNING is only compatible with SQLSERVER instance when the authentication mode is **mixed**, so if SQL SERVER is in a **WINDOWS** authentication mode it has to be modified.

Here is the procedure to be followed:

- Start the **Enterprise Manager** application
- **Right-click on the server name**
- Activate **Properties** option in the contextual menu
- Activate the **Security** tab in the displayed dialog box
- Click the **SQLServer** and **WINDOWS** authentication mode,
- Click on **OK** button to validate the modification.

Then, create a SQLSERVER user assigned to VISUAL PLANNING (ex: *vpuser*).

Here is the procedure to be followed:

- Start the **Enterprise Manager** application
- **Left-click on your server name**
- **Double-click on the Security file**
- **Right-click on the Login element**
- **Activate the New login** option in the contextual menu

The following dialog box comes up:
In the **General** tab, proceed as follow:

- Enter the **user name** (ex: `vpuser`)
- Click the **SQL Server Authentication** option

In the **Server Roles** tab:

- Click the **Database creator** role.

Then choose **OK** to validate.

This user name and the password will be required during the software setup.

That is why it is imperative to know them before starting the setup.

If the SQLSERVER version is more recent than the SQLSERVER 2005 version, the TCP/IP protocol needs to be activated.

If it's not, open **SQL Server Configuration Manager** and start the TCP / IP protocol:
ORACLE Case

Create an instance for VISUAL PLANNING (ex: VPSID).

This instance can be an existing one but it is better to configure a new Oracle database instance for VISUAL PLANNING.

The value of each disk space below is just an example. Each value will be adjusted according to the use of VISUAL PLANNING.

<table>
<thead>
<tr>
<th>Object</th>
<th>Name</th>
<th>Disk space</th>
</tr>
</thead>
<tbody>
<tr>
<td>TableSpace</td>
<td>USERS</td>
<td>700 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>INDEX</td>
<td>500 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>SYSTEM</td>
<td>500 MB</td>
</tr>
<tr>
<td>TableSpace</td>
<td>TEMP</td>
<td>200 MB</td>
</tr>
</tbody>
</table>

Once the Oracle instance for Visual Planning is created, create a username and assign it to VISUAL PLANNING (ex: VISUALPLANNING) by using the script below:

```sql
Sqlplus system/<passwdSystem>@VPSID
CREATE USER <userName> IDENTIFIED BY <passwd>
GRANT CONNECT TO <userName>
GRANT CREATE SESSION TO <userName> WITH ADMIN OPTION
GRANT CREATE TABLE TO <userName> WITH ADMIN OPTION
GRANT UNLIMITED TABLESPACE TO <userName> WITH ADMIN OPTION
GRANT CREATE USER TO <userName>
GRANT DROP USER TO <userName>
```

If the ORACLE user is not in compliance with the script, VISUAL PLANNING will not work properly.

All the tablespaces of the Oracle instance receiving VISUAL PLANNING, but also the username and the password assigned to Visual Planning will be required during the software setup. It is mandatory to have all this information before starting the setup.
APPLICATION SERVER SETUP

**Warning:** VISUAL PLANNING ESSENTIAL can be installed only on MICROSOFT WINDOWS

First of all, start the **vp51essential.exe** package.

The following window comes up:

![Visual Planning Essential Setup](image)

Choose **Next** to continue.

The following window presents the license agreement:
Then read attentively the license conditions of use. If terms are refused, the set up procedure is interrupted.

Choose **Next** to continue.

The window comes up:

![Visual Planning Essential Setup](https://www.visual-planning.com/doc/)

It is preferable remaining unchanged the default suggested path, especially if the computer is under
MICROSOFT WINDOWS VISTA or 7.

Nevertheless, if the set up location must be changed, it’s required to keep the directory name **Visual Planning Essential 5.2**.

Choose **Next** to continue.

- Choose **Next** to continue.
- Or if the information displayed in this window is irrelevant, press **Back** to modify it.

After having choosen **Next**, the user tries to determine if there is already a WEB service installed on the server (use of the 80 port).

If it is the case, the window below comes up:
And if the 81 port is already used, choose another one (e.g.: 82).

This window will be closed only if the port number chosen is not already used by another application.

Choose **Next** to continue.

Choose **Finish** to terminate the set up.
DBMS CONNECTION

To connect VISUAL PLANNING to the DBMS, start the VISUAL PLANNING portal.

In MICROSOFT WINDOWS, this portal is reached via \textit{Start > programs > VPServer Essential 5.2 > VP Portal}

During the first access to this portal, the configuration page of the connection to DBMS is displayed.

Select then the DBMS you will work with. The possible options are :

- SQLSERVER
- MYSQL
- ORACLE
- MSACCESS

SQLSERVER Case

VISUAL PLANNING is only compatible with SQLSERVER instance when the authentication mode is \textit{mixed}, so if SQL SERVER is in a \textit{WINDOWS} authentication mode it has to be modified.

Here is the procedure to be followed:

- Start the \textit{Enterprise Manager} application
- \textbf{Right-click on the server name}
- Activate \textit{Properties} option in the contextual menu
- Activate the \textit{Security} tab in the displayed dialog box
- Click the \textit{SQLServer} and \textit{WINDOWS} authentication mode,
- Click on \textbf{OK} button to validate the modification.

Then, create a SQLSERVER user assigned to VISUAL PLANNING (ex : \textit{vpuser}).

Here is the procedure to be followed:

- Start the \textit{Enterprise Manager} application
- \textbf{Left-click on your server name}
- \textbf{Double-click on the Security file}
- \textbf{Right-click on the Login element}
- Activate the \textbf{New login} option in the contextual menu

The following dialog box comes up:
In the **General** tab, proceed as follow:

- Enter the **user name** (ex: `vpuser`)
- Click the **SQL Server Authentication** option

In the **Server Roles** tab:

- Click the **Database creator** role.

Then choose **OK** to validate.

This user name and the password will be required during the software setup.

That is why it is imperative to know them before starting the setup.

If the SQLSERVER version is more recent than the SQLSERVER 2005 version, the TCP/IP protocol needs to be activated.

If it's not, open **SQL Server Configuration Manager** and start the TCP / IP protocol:
MYSQL case

There are two ways to install MYSQL:

- Through the MYSQL version delivered with Visual Planning,
- Or by using an already existing MYSQL server.

Through the MYSQL delivered with Visual Planning

First, you must start the `mysql5067.exe` executable file included in the delivery.

It’s required to specify the physical disk where the MYSQL directory will be created (ex: C:\ or D:\)

Select `extract` to create the D:\mysql file.

Once the extraction is completed, go to D:\ mysql \ bin directory and double click on the «winmysqledit.exe» file.

The window below comes up:
Select **Execute** to install and start the MYSQL service.

To make sure that the MYSQL service is active, check in the **WINDOWS Task Manager** to make sure that the **mysql.exe** process has started.

If the line above is not visible, it means that the MYSQL service wasn't able to start.

In this case, contact the VISUAL PLANNING support at **sav@stilog.com**.

**Through an already existing MYSQL**

If a MYSQL server version 5.x or later version is already being used, you have to create a MYSQL user and assign it to VISUAL PLANNING (ex : *vpuser*).

In order to do this, you must use the script below:

```
mysql> CREATE USER 'vpuser'@'%' IDENTIFIED BY 'vpuser_password';
mysql> GRANT ALL PRIVILEGES ON *.* TO 'vpuser'@'%' WITH GRANT OPTION;
```

Don't forget to replace the **vpuser_password** by the actual password of the **vpuser**.

It is important to remember this password because you will need it during the setup and also to be
able to access VISUAL PLANNING on your server.

**ORACLE Case**

Create an instance for VISUAL PLANNING (ex: VPSID).

This instance can be an existing one but it is better to configure a new Oracle database instance for VISUAL PLANNING.

The value of each disk space below is just an example. Each value will be adjusted according to the use of VISUAL PLANNING.

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Once the Oracle instance for Visual Planning is created, create a username and assign it to VISUAL PLANNING (ex: VISUALPLANNING) by using the script below:

```
Sqlplus system/<passwdSystem>@VPSID
CREATE USER <userName> IDENTIFIED BY <passwd>
GRANT CONNECT TO <userName>
GRANT CREATE SESSION TO <userName> WITH ADMIN OPTION
GRANT CREATE TABLE TO <userName> WITH ADMIN OPTION
GRANT UNLIMITED TABLESPACE TO <userName> WITH ADMIN OPTION
GRANT CREATE USER TO <userName>
GRANT DROP USER TO <userName>
```

If the ORACLE user is not in compliance with the script, VISUAL PLANNING will not work properly.

All the tablespaces of the Oracle instance receiving VISUAL PLANNING, but also the username and the password assigned to Visual Planning will be required during the software setup. It is mandatory to have all this information before starting the setup.

**MSACCESS Case**

**Warning**: The use of MICROSOFT ACCESS as a DBMS for Visual Planning, is not recommended for a configuration of more than 5 users.
If you use the MSACCESS, select **MSAccess** in the list:

Then click on **Next** to continue.

Fill in the fields with the proper parameters of the previously installed MSACCESS (c.f. **DBMS Setup**):

- **DB Folder**: the default value is `{vp.home}/msadatas`, where `{vp.home}` is the setup root of VISUAL PLANNING.
If the data is stored in a different folder, replace the default value by the proper folder.

Then, click on **Next** to continue.

**LICENSE ACTIVATION**

The window below comes up:

![License Activation Window](image)

- **URL of the application**: verify that this information is correct. The application activation depends on this URL: That's why, if the URL has to be modified, it's mandatory to relaunch the activation,
- **Serial of VP Application**: it is the VISUAL PLANNING serial number. This number is provided by STILOG I.S.T. during the license delivery,
- **Serial of VPVIEWER**: it is the “read-only” license serial number. This number is also provided by STILOG I.S.T. during the license delivery.
- **You can enter multiple license numbers in the provided space. Just separate the by comma(,). Then click on **Next** to complete the activation.**
Start ADMIN CENTER to activate VISUAL PLANNING. ===== Correct Configuration ===== If the configuration is correct, the screen below comes up:

![Image of Admin Center login screen]

The admin user has no password by default. So click directly on OK. ADMIN CENTER will prompt you to provide the activation license key:
Choose Obtain automatically the key activation by internet, then click on Validate**.

In case of a problem with the activation by internet, feel free to contact the technical support staff:

- Phone: 0033 1 47 29 99 69
- E-mail: sav@stilog.com[sav[@]stilog[.]com

Incorrect Configuration

If the following message is displayed after the JAVA initialization and the launching application acceptance:
It means that the DBMS configuration is incorrect.

In this case, start the Internet browser and use the URL below to obtain the log files:

http://VP_server/vplanning/logs.jsp

Where `VP_server` is the setup address of VISUAL PLANNING.

Once the problem is identified, change the configuration by going back on the activation page:

http://VP_server/vplanning/activationen.jsp

When the configuration is correct, complete the activation (c.f. Correct Configuration)

Setup, installation, essential, technical
Technical Requirements

This document describes the minimal configuration requirements for VISUAL PLANNING 5.3 installation and use.

VISUAL PLANNING is a JAVA application that was developed to work with a database with a stand-alone computer and/or a network environment.

There are several versions of the software available:

- VISUAL PLANNING ONE - developed for the offline mode or “stand-alone” use.
- VISUAL PLANNING ESSENTIAL - developed for a limited number of users on the Internet or Intranet,
- VISUAL PLANNING ENTREPRISE – developed for multi-users on the Internet or Intranet use,
- VP PORTAL Module – developed for smartphones and other mobile devices that are HTML5 compatible.

VISUAL PLANNING ONE

This is the offline version of Visual Planning and was developed for desktop and laptop computers (single station).

- Hardware Requirement
  - Central Processing Unit (CPU): INTEL Processor / AMD 2 GHz or faster
  - Random Access Memory (RAM): 512 MB minimum for (WINDOWS XP SP2, SP3) and 2GB or higher for (WINDOWS VISTA all versions, WINDOWS 7, 8 all versions)
  - Free Hard disk (HD) space: 100 MB minimum

- Software
  - MICROSOFT MDAC 2.8. The package is preinstalled on all the following MICROSOFT WINDOWS Operating Systems: XP, VISTA, 7 and later versions..

The maintenance and the support are only guaranteed in a PC environment. This version cannot be used in a TSE/CITRIX environment.

VISUAL PLANNING ESSENTIAL

VISUAL PLANNING ESSENTIAL is an n-tier web application.

It was developed for client/server networks. It is necessary to install Visual Planning on a server.
Note: Only the address defined during the installation (IP fixed or domain name or machine name) could be used to access the planner on the server.

- Example: http://localhost/vplanning.

Before the setup, check to make sure http://localhost/vplanning is reachable from client's workstations: redirection port, prefix http or https, Intranet or Internet etc ...

**Workstation**

- Hardware Requirement
  - Central processing unit (CPU): INTEL Processor / AMD 2GHz
  - Random Access Memory (RAM): 512 MB (WINDOWS XP SP2, SP3), 2GB (WINDOWS VISTA all versions, WINDOWS 7, 8 and later versions)
  - Free Hard disk (HD) space: 100 MB minimum

- Software
  - JAVA execution environment version 1.6 or 1.7 downloadable here: http://www.oracle.com/technetwork/java/javase/downloads/index.html.

The maintenance and the support are only guaranteed in a PC environment.

**Server**

The server configuration described below is the one by default. This configuration has to be adjusted depending on how the software will be used and how many simultaneous users are forecasted.

For further information, please contact the VISUAL PLANNING support service: sav@stilog.com.

- Hardware
  - Central Processing Unit (CPU): INTEL Processor / AMD 2GHz
  - Random Access Memory (RAM): 1GB (WINDOWS XP SP2, SP3), 4GB (WINDOWS VISTA, WINDOWS 7 32/64bits, WINDOWS 2003 32/64bits, WINDOWS 2008 32/64bits, WINDOWS 2012 32/64bits), 2GB (Linux, IBM-AIX).
  - Free Hard Disk (HD) space: 200MB minimum.

- Software
  - Database Management System (DBMS): MYSQL 5.x, MICROSOFT SQL SERVER 7, 2005, 2008 and all versions, based on SQL Server engine, ORACLE 9i, 10g, 11g and Postgre.
  - J2EE server application is needed for all non-WINDOWS server installations or installations that don't use the VPServer package: TOMCAT 5.x, JONAS, JBOSS, WEBSPHERE, WEBLOGIC 10.3;

**Network**
With VISUAL PLANNING ESSENTIAL, all planners can be reached through any internet browser.

The necessary bandwidth to comfortably use the software depends on: number of users sharing the same connection simultaneously, type of use (mostly frequency), volume of data transferred.

The minimal bandwidth required by a user is 64kbit/s (8KB).

It is recommended to open the planners using an ADSL connection.

**VISUAL PLANNING ENTERPRISE**

This version of VISUAL PLANNING is the client/server networks version. It is necessary to use a server and workstations.

**Workstation**

- **Hardware**
  - Central Processing Unit (CPU): INTEL Processor / AMD 2Ghz
  - Random Access Memory (RAM): 512MB (WINDOWS XP SP2, SP3), 2GB (WINDOWS VISTA, WINDOWS 7, 8 all versions)
  - Free Hard disk (HD): 100MB minimum
- **Software**

The maintenance and the technical support are only guaranteed in a PC environment.

**Server**

The server configuration described below is the one by default. This configuration have to be adjusted depending on how the software is used and how many simultaneous users are forecasted.

For further information, please contact the VISUAL PLANNING support service: sav@stilog.com.

- **Hardware**
  - Central Processing Unit (CPU): INTEL Processor / AMD 2Ghz
  - Random Access Memory (RAM): 1GB (WINDOWS XP SP2, SP3), 4GB (WINDOWS VISTA, WINDOWS 7 64bits, WINDOWS 2003 64bits, WINDOWS 2008 64bits, WINDOWS 2012 64bits), 2Go (Linux, IBM-AIX)
  - Free Hard disk (HD): 200MB minimum
- **Software**
- Database Management System (DBMS): MYSQL 5.x, MICROSOFT SQL SERVER 7, 2005, 2008 and all versions based on SQL Server engine, ORACLE 9i, 10g, 11g and Postgre.
- J2EE server application is needed for all non-WINDOWS server installations or installations which don't use the VPServer package: TOMCAT 5.x, JONAS, JBOSS, WEBSHERE, WEBLOGIC 10.3;

**Network**

With VISUAL PLANNING ENTERPRISE, all planners can be reached through any internet browser.

The necessary flow to comfortably use the software depends on: the number of users sharing the same connection simultaneously, the way the planners are used (frequency...), the volume of data...

The minimal bandwidth required for each user is 64kbit/s (8KB).

It is recommended to open the planners using an ADSL connection.

**VPPORTAL**

VPPORTAL is an additional module that is needed as a prerequisite for installation of VISUAL PLANNING ENTERPRISE version 5.3.

**Device**

It requires a desktop, laptop, or mobile data terminal connected to the Internet and is compatible with HTML5 browser.

The mobile device should be featured A-grade for the jQuery framework. For more information: http://jquerymobile.com/gbs/

- **Browser**
  - IE6, IE7, IE8 et IE9, FIREFOX 3.6 and more, GOOGLE CHROME (all versions), SAFARI 5.0 et + et OPERA (all versions),
  - IOS5 for IPHONE/IPAD, and default browser for Android 2.2, 2.3 and 4.0.

**Server**

This module requires a VISUAL PLANNING ENTERPRISE installation with an external access (public IP).

c.f. **Above**

**Setup, installation, technical**
From: https://www.visual-planning.com/doc/ - VISUAL PLANNING 5.3 DOCUMENTATION

Permanent link: https://www.visual-planning.com/doc/en/2-installation_et_architecture/pre-requis_techniques

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