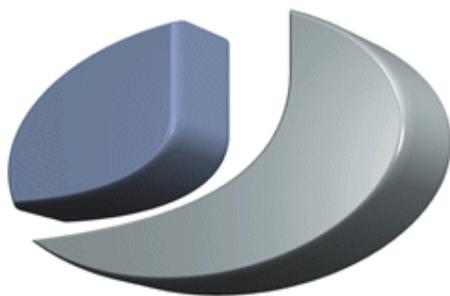


JUSTCROFT INTERNATIONAL
IMAGE DATA MANAGEMENT



JustIMAGE
JustSEARCH Manual

Justcroft International

JustIMAGE JustSEARCH Manual

Revision: 1.1

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JustSEARCH Overview

JustSEARCH is a module of the JustIMAGE suite that allows you to open image files easily without the need to know exactly where these files are physically located.

Concepts

Locations

The JustSEARCH module works by creating an index of all image files held in a given location. A location is an abstraction of a physical storage of the image file. For example a shared disc, NAS (disk array), etc.

Locations and possible sub-locations, in essence sub-directories, are configured in the JustSEARCH module via the JustSEARCH manager interface.

Attributes

Image files can have various attributes: file name, file type, date created, date modified, etc. These can also be advanced attributes such as the author name, subject, description, etc.

Attributes have an associated type to put a constraint on the attribute value. For example the attribute "Published" has the date attribute type.

Attributes are by default optional. You can make an attribute mandatory for the user. If the user wants to store the file, the mandatory attribute must be given a value.

Attributes are configured in JustSEARCH via the JustSEARCH manager interface. JustSEARCH already comes with the most common attributes to simplify the configuration.

Search Index

JustSEARCH works by creating an index of all image files held in a given location. It's possible to generate this index in batch by scanning the configured locations. For each image file found, its location and possible attributes are stored together with a thumbnail of the image file.

Only files of a given file type are scanned to speed up the overall scanning process. File types are configured in JustSEARCH via the JustSEARCH manager interface. The JustSEARCH module already comes with the file types supported by JustIMAGE to simplify the configuration.

Server

The JustSEARCH module is a client / server based system where the index, attributes, etc are maintained by a server. The JustSEARCH Server is accessed through a network connection by the rest of JustSEARCH.

Note: It's not necessary that server is installed on another computer. You can also use JustSEARCH for personal use if needed as long as that computer is not physically shared with other users.

Users

The JustSEARCH Server allows anyone access to the index. However, this does not mean that anyone has access to individual image files. This is still restricted by the rights system used by the physical location.

The configuration of attributes, locations, etc as well as the scanning of locations is handled by the JustSEARCH manager interface. Access to the manager interface is restricted by a user name / password combination.

Users belong to a group. Currently there are two groups¹:

- default: A standard user. These users are added to the system on the fly for ease of use.
- all: A user with rights to access the manager related actions. These users must be manually added to the system.

Store and Retrieve

Storage and retrieval of files is integrated in the Viewer, JustEDIT and JustMONTAGE interfaces of the JustIMAGE suite.

A user can store an individual image file at a location. While storing, a user can specify values for attributes. The user cannot store an image file when mandatory attributes don't have a value set. In addition an individual user can specify one or more tags to be associated with the image file.

To retrieve an image file, the user specifies a search criteria for one or more attributes of a file. For example a user can specify a partial file name. The JustSEARCH system will return a list of one or more image files that match the search criteria from which the user can choose.

1 Technically there is a third group "deactivated" which indicate that the users don't have any access to the system.

Common Tasks

Adding Locations

Before the index can be built you need to add at least one location. This can be done in the JustSEARCH manager interface from the Admin > Locations window.

In general you want to specify locations that are accessible by everyone in your department. Common practice is to have one or more network shared locations.

Building the Search Index

Building the Search Index in batch can be done through the Index > Build Search Index dialog box in the JustSEARCH manager interface. You must have configured at least one location before you can build the Search Index.

Search Index Activation

The Store and Retrieve functionality is, by default, disabled for users when the system is setup for the first time. After the initial build of the Index, a manager must explicitly activate the Index. This can be done through the Index > Activate Search Index dialog box in the JustSEARCH manager interface.

Backup

The server has its data, including the database, under:

Windows: C:\ProgramData\Justcroft\jigserver

Linux: *<install dir>*/jigserver/dta

The SQLite3 database is jigsrv.db. In addition it's recommended to backup the thumbnails sub-directory as well as this contains all the preview images.

Intermediate Tasks

Adjusting Attributes

This can be done in the JustSEARCH manager interface from the Admin > Attributes window.

Adjusting File Types

This can be done in the JustSEARCH manager interface from the Admin > File Types window.

Maintaining the Search Index

The Search Index can be updated in batch through the Index > Check Search Index dialog box in the JustSEARCH manager interface.

Adding Managers

This can be done in the JustSEARCH manager interface from the Admin > Users window.

Advanced Tasks

Adding Attributes

This can be done in the JustSEARCH manager interface from the Admin > Attributes window.

Adding File Types

This can be done in the JustSEARCH manager interface from the Admin > File Types window.

Deactivating Users

This can be done in the JustSEARCH manager interface from the Admin > Users window.

Installation and Configuration

You can download the JustSEARCH Server software from our support site at support.justcroft.com in the JustIMAGE section of the site. If you do not have a Justcroft Support account user name and password, or you tried it and it doesn't work, contact support@justcroft.com for help.

You are also going to need minimal JustIMAGE 5.2.03 or higher software. Recommended is JustIMAGE 5.4.00. You can download the JustIMAGE software also from our support site. You do not need to install JustIMAGE on the same computer as the server.

Prerequisites

We assume that you are familiar with the Operating System you are going to use and that you are familiar with installing software. You must also be familiar with Windows Services or Linux daemon processes depending on the Operating System you are installing the server software on.

Do not install JustSEARCH Server in a folder where another program or product is already installed. Also, do not install other programs in the same folder where JustSEARCH Server is installed. This may cause uninstalling the JustSEARCH Server to fail.

Do not rename any of the sub-directories in the JustSEARCH Server installation folder or move the installation folder after installation. Should you wish to move the product to a different location it is recommended that you uninstall the JustSEARCH Server first and then reinstall in the new location.

License

The JustSEARCH Server requires that you have the JustSEARCH Server license feature as part of your JustIMAGE license. The license does not need to be installed or configured on the computer where the JustSEARCH Server software is installed.

System Requirements

Operating System

One of the following 64bits Operating Systems:

- Windows 7 x64. (x64 or compatible.)
- Windows 8/8.1 x64. (x64 or compatible.)

Installation and Configuration

- Windows 10 x64. (x64 or compatible.)
- Windows Server 2008 R2 x64. (x64 or compatible.)
- Windows Server 2012 R2 x64. (x64 or compatible.)
- Windows Server 2016 x64. (x64 or compatible.)
- Linux RedHat Enterprise 7 64bits. (x86_64 or compatible.)

Privileges

You will need Administrator privileges to install the software and configure the server on Windows. It is recommended to install the JustSEARCH Server in a separate account on Linux. No special account privileges are required.

The JustSEARCH Server runs as a service with LocalService privilege on Windows, following the least-privilege security best practice.

Disk Space

About 55 MB is needed for an installation depending on the OS used. In addition you should reserve about 20 and 100 Mb of disc space for the database and additional files.

Qt

The Graphical User Interfaces of the JustSEARCH Server are written using The Qt Company's Qt cross platform and UI framework. We deliver the required shared libraries of Qt with the JustSEARCH Server.

Windows

The Qt dynamic libraries are located under the *<install folder>\bin* sub-folder. The Qt plug-ins are located under the *<install folder>\qt5\plugins* sub-folder.

It is essential that the *<install folder>\bin\qt.conf* file is kept as this is required to locate the Qt plug-ins.

Linux

The Qt dynamic libraries are located under the *<install directory>/qt5/lib/* sub-directory. The Qt plug-ins are located under *<install directory>/qt5/plugins/* sub-directory.

It is essential that the *<install folder>/bin/qt.conf* file is kept as this is required to locate the Qt plug-ins. *Important:* Some Linux distributions have Qt runtime libraries installed. These should not be used as we have made custom patches to the default Qt libraries.

Linux requires that the `$LD_LIBRARY_PATH` environment variable is set in order to locate the Qt dynamic libraries. Most programs are actually shell scripts that set the `$LD_LIBRARY_PATH` to `<install directory>/qt5/lib/` before calling the actual executable.

Important: Advanced users may want to directly call a program that is not intended to be run directly. You will get a fatal error regarding the loading of the first shared library that was not found.

Database

The JustSEARCH Server uses an SQLite 3 database. The required database driver is delivered together with the JustSEARCH Server software. The database structure is, if necessary, created by the JustSEARCH Server configuration tool.

The SQLite database file name is `jigsrv.db` and is located in the data directory of the server.

Network Communication

The JustSEARCH Server uses TCP/IP for communication with the client interfaces. The communication is handled through the WebSocket protocol. The default port used by the server is 1970. This can be changed with the configuration tool.

The JustSEARCH Server software installation on Windows will automatically configure the Windows firewall. Access will be set for the local sub-net with TCP/IP as protocol.

You can configure the firewall on RedHat Enterprise using `system-config-firewall`. The firewall must be configured to allow TCP/IP network traffic. The port must match the network port you are going to use.

Platform Notes

Windows 7

The JustSEARCH Server will only work on the Windows 7 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Installation and Configuration

Windows 8 / 8.1

The JustSEARCH Server will only work on the Windows 8 x64 and Windows 8.1 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Windows 10

The JustSEARCH Server will only work on the Windows 10 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Windows Server 2008 R2

The JustSEARCH Server will only work on the Windows Server 2008 R2 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Windows Server 2012 R2

The JustSEARCH Server will only work on the Windows Server 2012 R2 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Windows Server 2016

The JustSEARCH Server will only work on the Windows Server 2016 x64 (64bit) releases. The software has been digitally signed with "Justcroft International Ltd." as publisher.

You may encounter one or more of the following:

- You may get an UAC warning when running the installation. The installation requires administrative privileges. Less privileged users will be prompted for an administrative account.
- You may get an UAC warning when the Visual Studio run-times are installed.

Linux

The JustSEARCH Server is developed and tested on Linux RedHat Enterprise 7 (x86_64). You must have X11 installed in order to run the JustSEARCH Server configuration tool. This version also works on CentOS 7.

Linux requires that the `$LD_LIBRARY_PATH` environment variable is set in order to locate the Qt dynamic libraries. Most programs are actually shell scripts that set the `$LD_LIBRARY_PATH` to `<install directory>/qt5/lib/` before calling the actual executable.

Important: Advanced users may want to directly call a program that is not intended to be run directly. You will get a fatal error regarding the load of the first shared library that was not found.

Installing on Windows

Preparation

Make sure that you have Microsoft Windows Installer 4.0 or higher. See also the various Windows platform notes.

Make sure that you have closed down any important applications before attempting to run the self-extracting executable.

Running the installation

Run the self-extracting executable. You will be prompted for a (temporary) setup extraction folder. The default is a sub-folder under `%CommonAppData%`, but you can change this to a more suitable location for your situation.

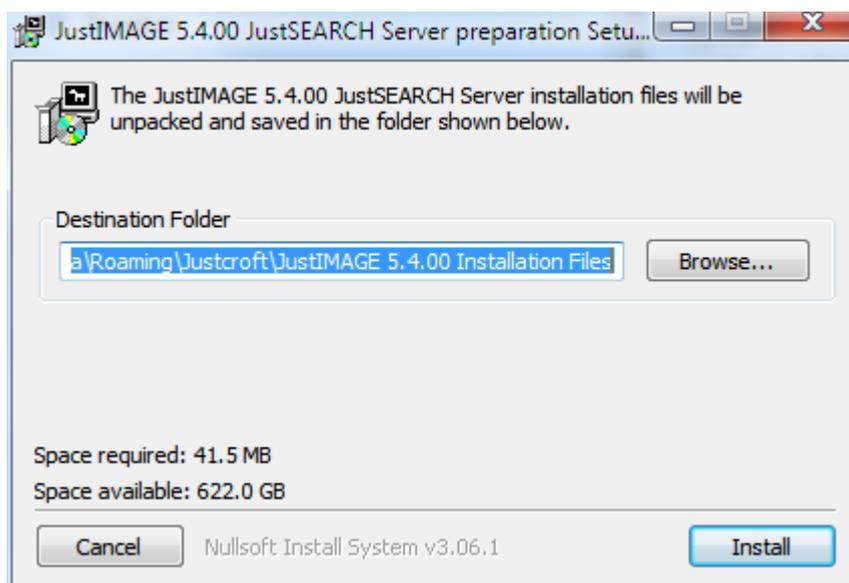


Illustration 1: JustSEARCH Server self-extracting executable.

The self-extractor will first unpack the Windows installer files. The self-extractor will then start the Windows Installer. A log file will be created under `%temp%\jigserver54-release-win64.log`, where `%temp%` is the location of your temporary files and `release` is the release number.



Illustration 2: Welcome screen of the Setup Wizard.

The screen shows you the End-User License Agreement. Please read this carefully and then select "I accept the terms in the license agreement". Press the **Install** button to start the installation. You may get the UAC prompt.

The software will be installed under `%ProgramFiles%\Justcroft\jigserver`.

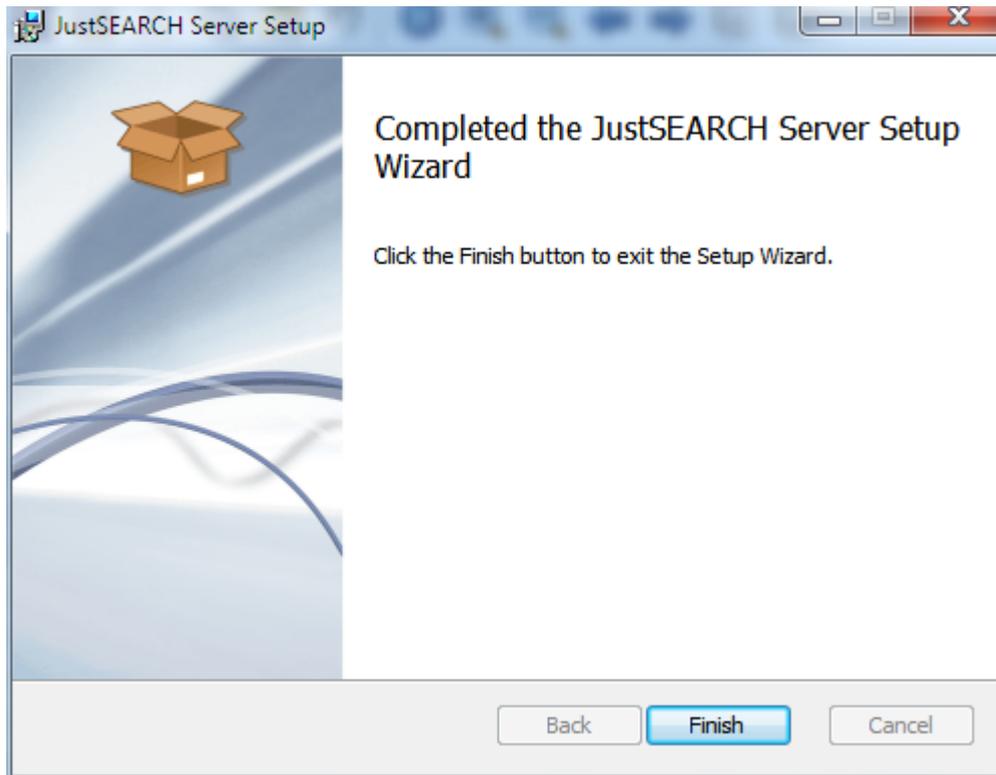


Illustration 3: Completed the setup Wizard.

Installation Information for Scripters

The following information is important for scripters of the JustSEARCH Server installation on Windows.

Since the variety of network installations and system configurations is simply too great, we cannot give full support on all possible deployment requirements. There are several sites on the Internet that give you hints and tips over how to deploy software.

The JustSEARCH Server software download is a self-extracting executable which contains a Windows Installer files. The software has been created using the Microsoft Visual Studio 2019 libraries and these are also part of the self-extracting process and installation. This might not be suitable to you should you wish to re-script the installation. You can run the self-extracting executable with the parameter `/NORUNMSI` to prevent the automatic start of the Windows Installer. **Important:** Unlike most Windows executables, parameters for the self-extracting executable are *case sensitive*.

Use the `/D=folder` parameter to set the path where the MSI file is extracted. This must be the last parameter used on the command line and must not contain any quotes, even if the path

contains spaces. Note that the default is to create a folder under `%CommonAppData%\Justcroft`.

You should not run a capture tool and then make alterations to the captured result. Instead use the MSI file and load this into your Windows Installer authoring application.

A shortcut to the configuration tool is created on the PC desktop and an entry is made under the Start menu.

Silent Installation

You can perform a silent installation by specifying the parameter `/S`. This will prevent the user from seeing the installation steps. As an example:

```
jigserver54-03-win64 /S
```

Installing on Linux

Preparation

Log into the account in which you want to install the software `/home/justcroft`.

Important: **Never** do the installation as *root*! This should not be necessary as none of the programs require root access.

Running the installation

Extract the software from the downloaded tarball under the account (`/home/justcroft`).

```
tar xvf jigserver54-03-linux64.tar
```

You are now ready to do the configuration of the server.

Configuration

The JustSEARCH Server configuration tool is used to configure the directory where the server data is kept, create the default database and start / stop the server.

Windows: You can start the JustSEARCH Server configuration tool on Windows by either clicking on the “JustSEARCH Server Configuration” desktop icon or through the Start menu > Justcroft JustSEARCH Server > JustSEARCH Server Configuration.

Linux: Go to the `/home/justcroft/jigserver/bin` directory and run `jigconfigure`.

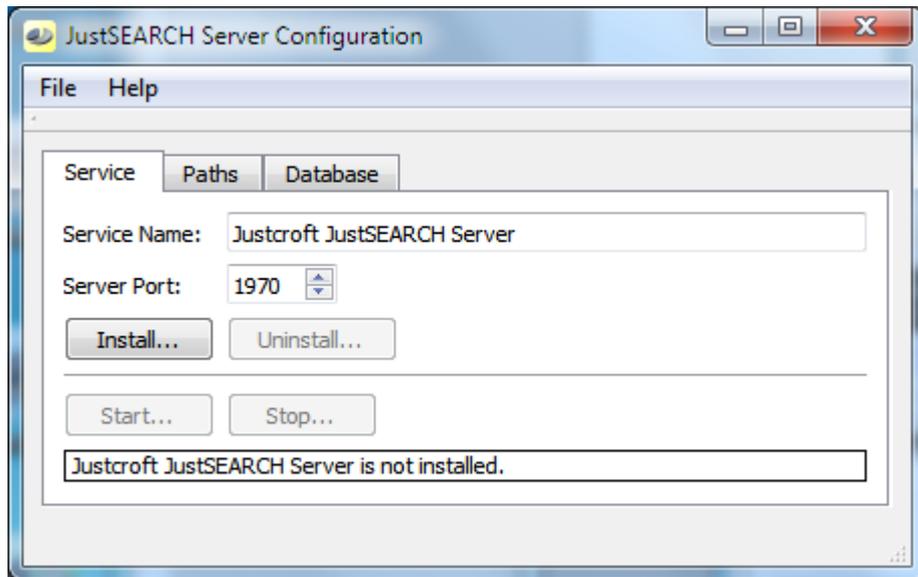


Illustration 4: The JustSEARCH Server Configuration tool.

Before Starting the Server

On the Service tab you can set the network port used by the server.

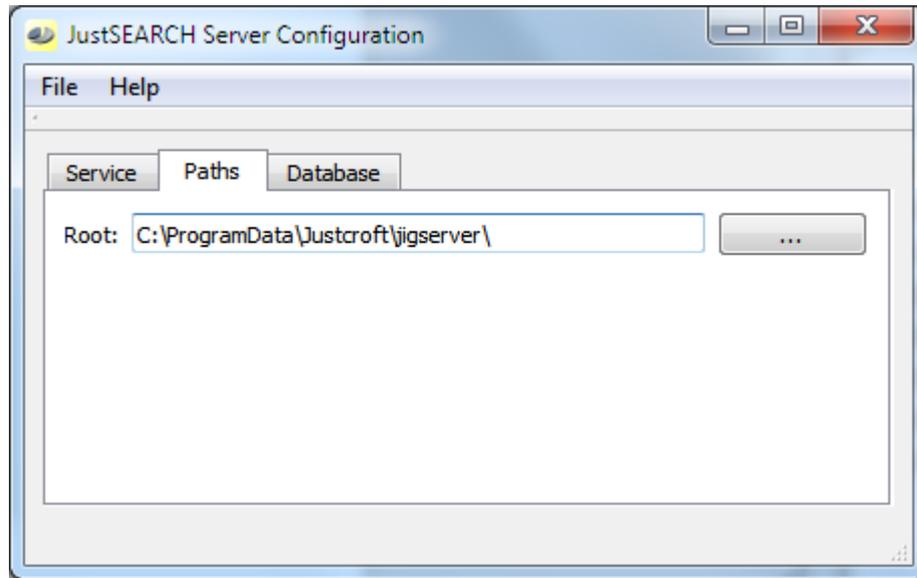


Illustration 5: The JustSEARCH Server data directory path.

Optionally you can set the data directory where the server data including the database is kept.

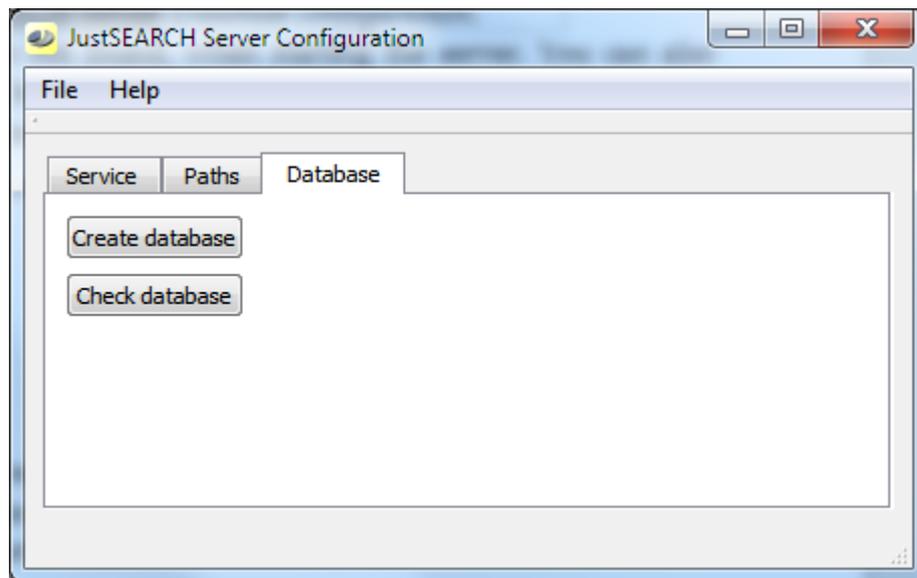


Illustration 6: The JustSEARCH Server Database configuration.

The default database is created, when not found, when starting the server. You can also manually create the default database by going to the Database tab and press the “Create database” button. You will get a status message that the database is created.

If the database already exists, you can run a sanity check on the database using the “Check database” button on the Database tab.

Starting the Server

Windows

Windows: Before you can start the server it needs to be installed as a Windows service. This can be done using the “Install...” button on the Service tab. Once the server is installed you can start the server by pressing the “Start...” button on the Service tab.

Note: The configuration tool will check if a database already exists before starting the server. A default database is created if necessary.

The server will be configured as an automatic starting service at boot time.

Linux

Click the “Install...” button if the “Start...” button is grayed out. Start the server by pressing the “Start...” button on the Service tab. *Note:* The “Install...” button has no effect other than doing an internal registration.

The server can be configured as an automatic starting daemon. A template `init.d` script `jigserver.rc` is located under the `jigserver/setup/misc` sub-directory. See the `README.rc` for how to use this template.

Stopping the Server

The server can be stopped using the “Stop...” button on the Service tab.

Server Log

The server maintains a log file `jigserver.log` under the `<server data directory>\log` sub-directory. You can look at this file should the server not start or appears to malfunction.

An initial start of the server will look like this:

```
2017-11-08T07:44:56 info justcroft.jig.server: Server 1.027 started.
2017-11-08T07:44:56 info justcroft.jig.server: Using data path: "C:\\
ProgramData\\Justcroft\\jigserver\\"
2017-11-08T07:45:01 info justcroft.jig.server: Database initialisation
finished.
2017-11-08T07:45:01 info justcroft.jig.server: Started listening on port:
1970
```

JustSEARCH Manager

Starting the JustSEARCH Manager Interface

You can start the JustSEARCH Manager Interface in the JustIMAGE 5.4 User Interface by selecting the “JustSEARCH Manager...” command from the **Tools** menu.

Windows: Alternatively you can start the interface from the Start menu > Justcroft JustIMAGE 5.4 > JustSEARCH Manager.

You will be prompted for the host and port on which the JustSEARCH Server resides. You also have to enter the user name and password.

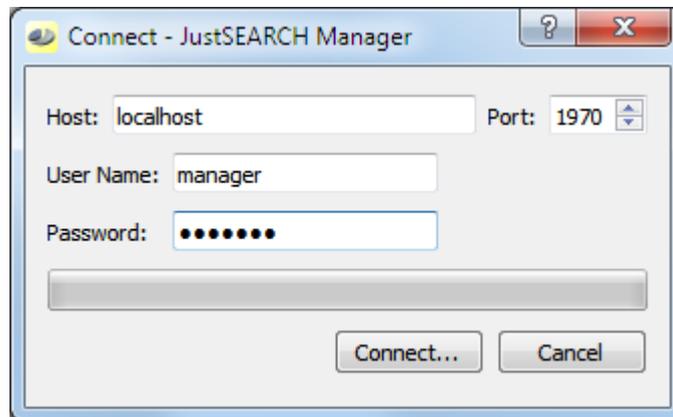


Illustration 7: The JustSEARCH Manager Connect dialog box.

By default there is one predefined combination of user name and password: manager with the password manager. You can change the password by selecting **File > User Details...**

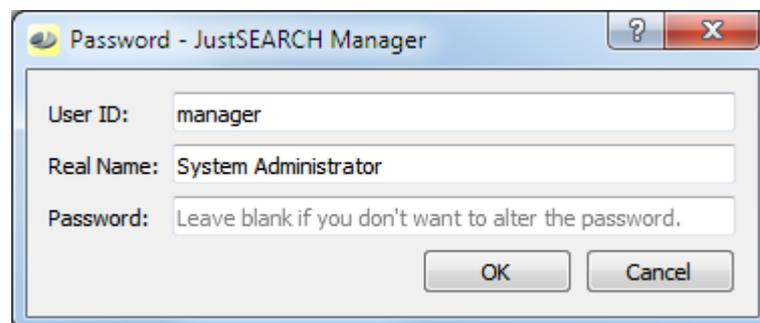


Illustration 8: The JustSEARCH Manager User Details dialog box.

You can disconnect from the JustSEARCH Server by selecting File > Disconnect....

Index Menu

Build Search Index

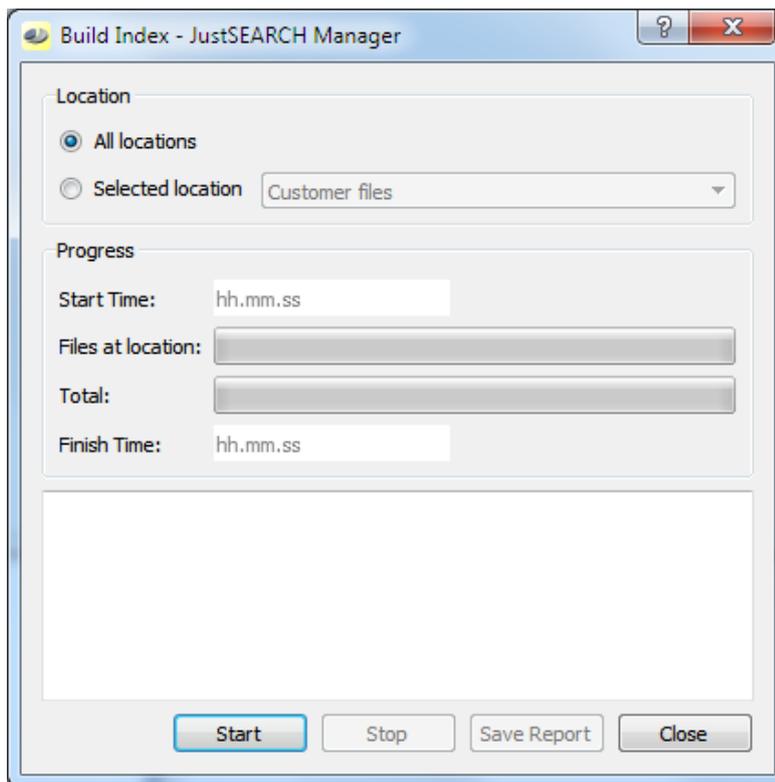


Illustration 9: The JustSEARCH Manager Build Index dialog box.

Building the Search Index in batch can be done through the Build Search Index dialog box. You must have configured at least one location before you can build the Search Index.

Select whether you want to add files from all configured locations or a single location. Press the Start button to begin the process of scanning the locations.

Depending on the number of locations and the number of files in each location this can take several minutes up to several hours. Only files that are configured as File Type are scanned and added to the Search Index.

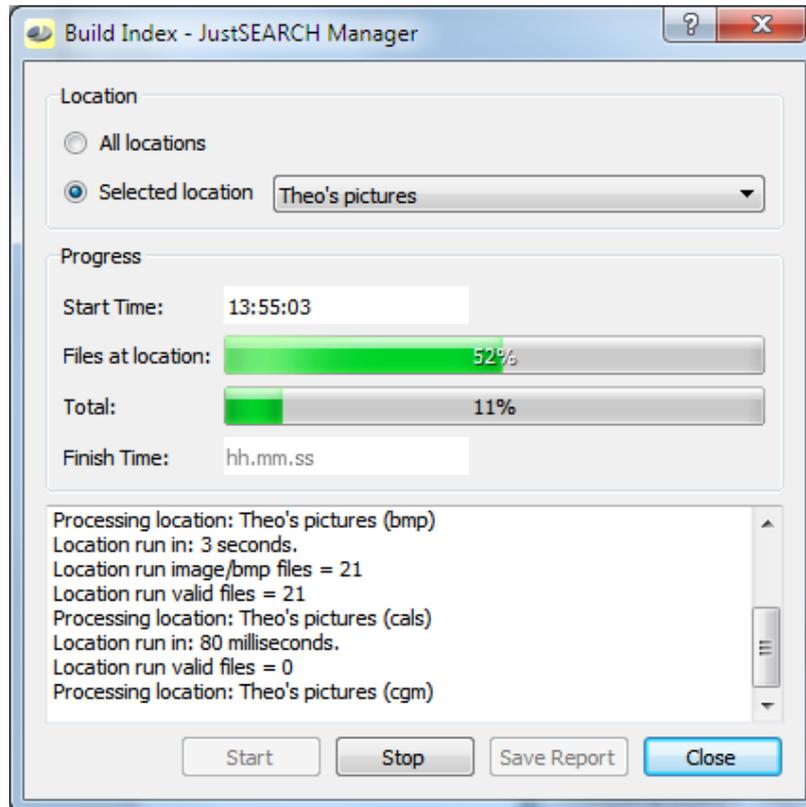


Illustration 10: Build Index in progress.

The scan process can be stopped by clicking the Stop button. A report of the scan process can be generated once it's finished by selecting the Save Report button. You can save the report in various formats.

Check Search Index

This is a housekeeping option that can be run from time to time. A check of the Search Index works the same as a Build Search Index except that files that are already part of the Search Index and have not been changed are not updated in the database.

Activate Search Index

The Store and Retrieve functionality is, by default, disabled for users when the system is setup for the first time. After the initial build of the Index, a manager must explicitly activate the Index.

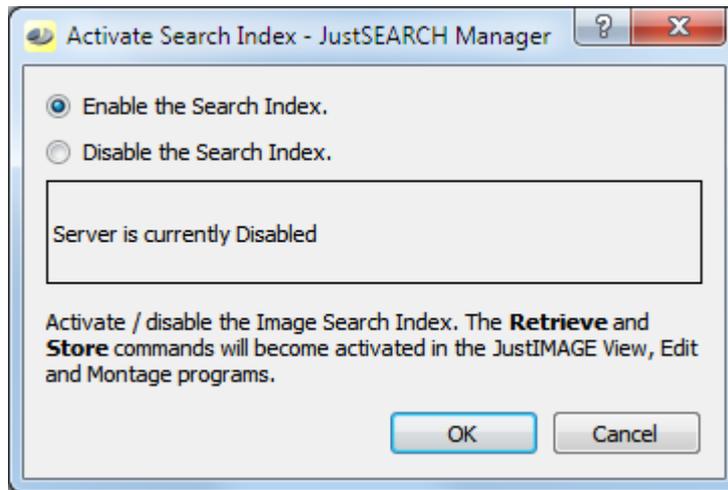


Illustration 11: Activate the Search Index.

Select the “Enable the Search Index.” toggle and click on OK to activate the Index.

A manager can also manually deactivate the Index. In this case select the “Disable the Search Index.” toggle and click OK to deactivate the Index.

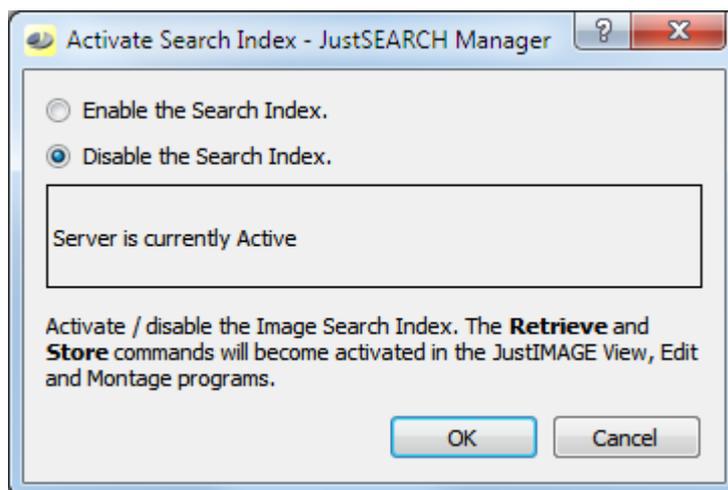


Illustration 12: Deactivate the Search Index.

Note: Doing a Build Search Index or Check Search Index will always temporarily deactivate the Index for users to prevent problems due to inconsistencies in the Index.

Admin Menu

You can switch between various administrative windows from the Admin Menu.

File Types

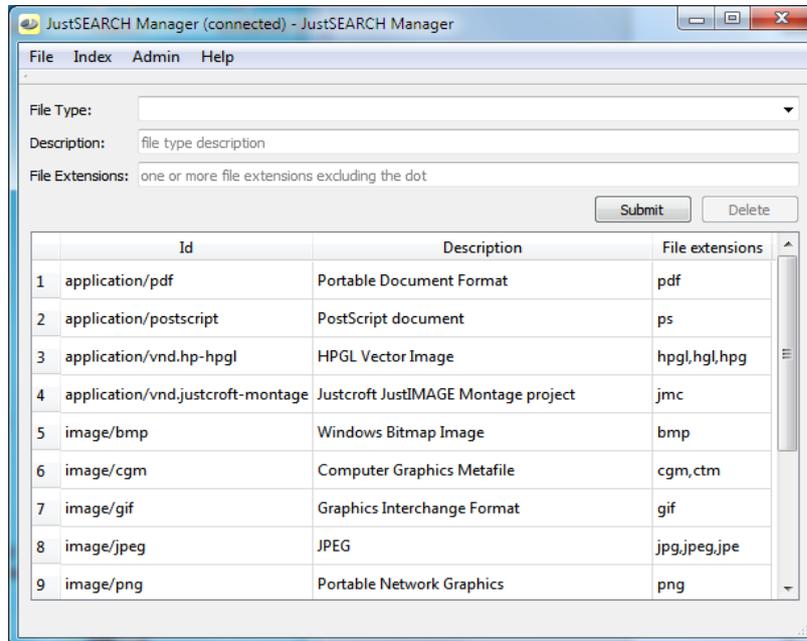


Illustration 13: The JustSEARCH Manager File Types window.

You control which files are scanned during the Build Index and Check Index process from this window. In general you do not need to access this window as files supported by JustIMAGE 5.4 are already predefined in the default Search Engine database.

To change a description, select a file type from the list. Alter the description in the Description text field and then click Submit.

To change a file extension or add a file extension, select a file type from the list. Update the extensions from the File Extensions text field. Note that extensions must be separated by commas and that the dot should not be part of the extension.

Advanced: Adding a new File Type. Type in the File Type field the mime type of the file type you want to add. Note that depending on your OS you will get suggestions for a possible mime type. The Description text field and File Extensions text field will be automatically filled in if the mime type is recognized.

Advanced: Removing a File Type. We don't recommend to remove any of the default configured file types. The only reason you may have to is to reduce the size of the Search Index. Select the file type you want to remove from the list and then click the Delete button.

Attributes

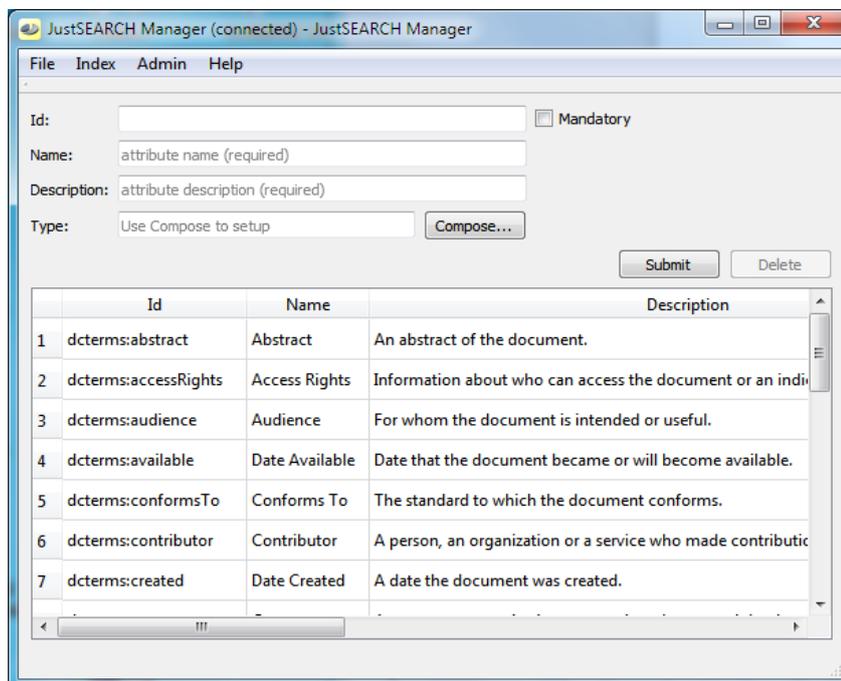


Illustration 14: The JustSEARCH Manager Attributes window.

The various attributes used by the Search Index are visible in the Attributes window. The predefined attributes are based on the Dublin Core metadata set.

There are two types of attributes: system attributes which cannot be altered or removed and non-system (advanced) attributes.

Each attribute has an Id, a (friendly) name, description and type. The Id is used internally by the Search Engine. The name is how end-users will see the attribute in the various interfaces. The description is to help the user determine what the attribute is for.

To change the name select an attribute from the list. Alter the name in the Name text field and then click Submit.

To change the description select an attribute from the list. Alter the description in the Description text field and then click Submit.

You can make an attribute mandatory for the end-user; that is, the end-user must enter a value when storing a file in the system. Select an attribute from the list, check the Mandatory checkbox and then click Submit. You will be prompted for a default value for any files that are already in the Search Index and who do not have a value for the given attribute yet.

Advanced: Adding an attribute. Consider using one of the predefined attributes before adding a new attribute. Enter the Id, Name, Description in the text fields. Use the Compose button to bring up the Attribute Type dialog box.

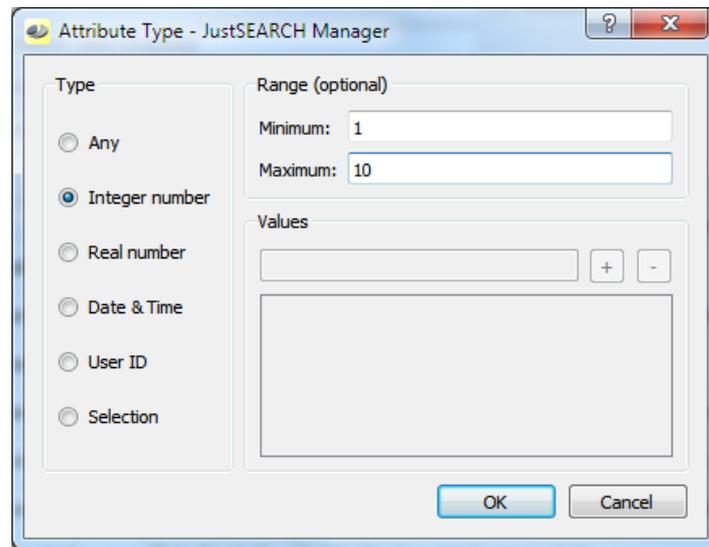


Illustration 15: The JustSEARCH Manager Attribute Type dialog box.

Select the type of the attribute:

- Any. The user can enter any text value.
- Integer number. The user must enter a whole number. Optionally the number value range can be constrained with a minimum and / or a maximum.
- Real number. The user must enter a fractional number. Optionally the number value range can be constrained with a minimum and / or a maximum.
- Date & Time. The user must enter a date and optionally a time.
- User ID. This is an advanced type. The value must match a user who is known in the system.
- Selection. The user can only select a value from a list of values configured in the system. Each selection value can be entered in the Values text field and then clicking the + button. A selection value can be removed by selecting it from the Values list and then clicking the – button.

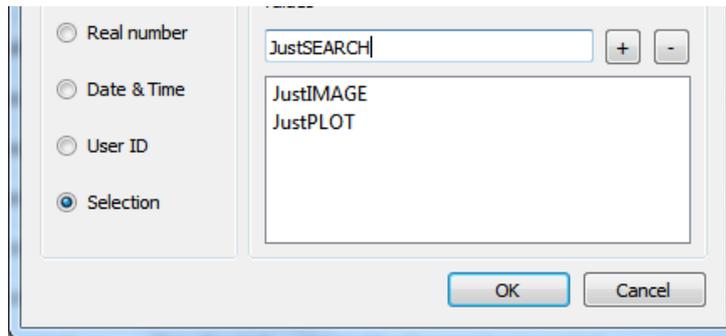


Illustration 16: An example of a Selection type.

Click OK to close the Attributes Type dialog box. Optionally you can make the new attribute mandatory and then click Submit.

Advanced: Removing an attribute. We don't recommend removing any of the default configured attributes. However you can select the attribute you want to remove from the list and then click the Delete button.

Locations

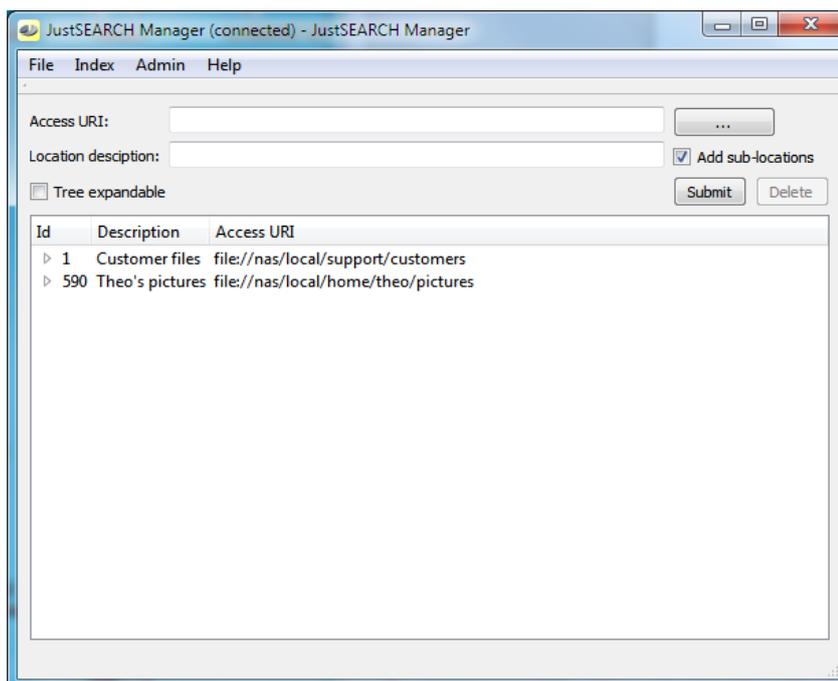


Illustration 17: The JustSEARCH Manager Locations window.

The Locations window contains the locations you have configured for the system. Locations are identified by Access URI which is a universal way of specifying physical locations.

In general you want to specify locations that are accessible by everyone in your department.

Common practice is to have one or more network shared locations.

You are not required to specify each and every sub-directory. The system will scan and add so called sub-locations when you add or update a location as long as the “Add sub-locations” checkbox is ticked. Default sub-locations are “hidden” in the list. Check the “Tree expandable” checkbox if you want to see the tree structure.

You add a location by entering the Access URI and giving the location a description. Use the browse button (...) to make entering the value of the Access URI easier. Click the Submit button to add the location and (when selected) its sub-locations.

If new sub-locations are created you can update the main location by selecting the location from the list and clicking on the Submit button. The system will check and update the list of sub-locations if necessary.

Advanced: Removal of a location is only possible if no files are yet associated with it in the system. Select a location from the list and click on the Delete button.

User Groups

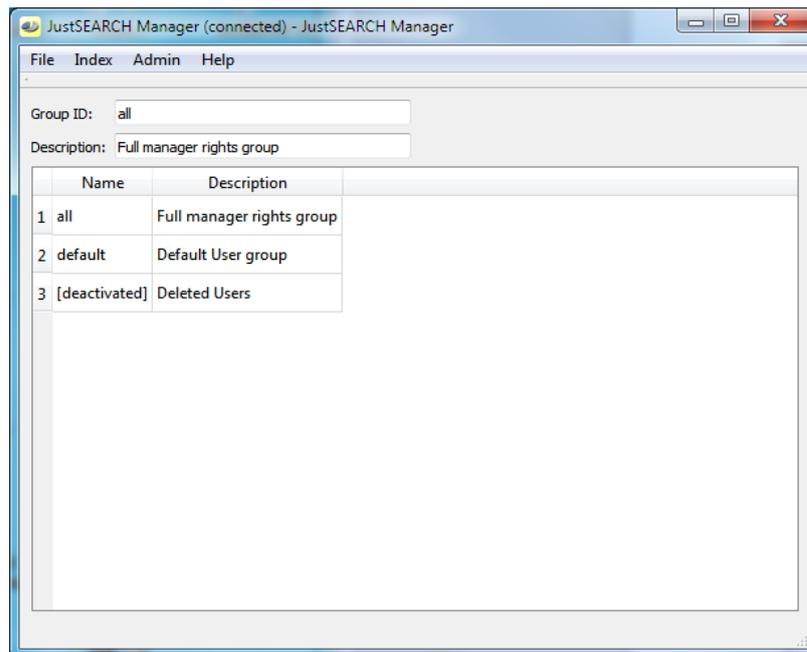


Illustration 18: The JustSEARCH Manager User Groups window.

This window is read-only and only for informational purposes. You cannot alter User Groups.

- All is a group of users who have managing rights in the system.

JustSEARCH Manager

- Default is the standard group any new user of the system is given.
- [deactivated] is a special group which indicates that the user is disabled and not allowed to use the Search Engine.

Users

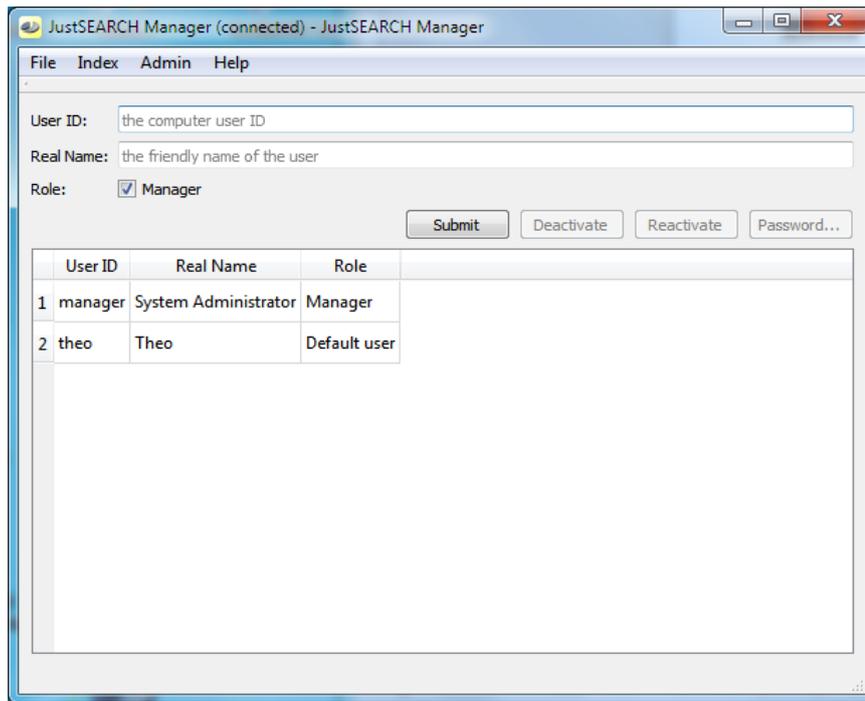


Illustration 19: The JustSEARCH Manager Users window.

You don't need to add default users to the system as this will happen automatically. You may want to set the real name of the user. This can be done by selecting the user from the list, enter the real name in the Real Name text field and press Submit.

You may want to add a manager to the system. It's recommended to use as the User ID something that's not a login ID to prevent confusion. Give a meaningful real name and make sure the Role checkbox has been set. Now click on Submit. You will be prompted for a password to be used with the manager User ID. Keep in mind that the default password is the same as the User ID.

Advanced: You can set a new password for a manager by selecting the User ID of that manager and then click the Password button. You will be prompted for a new password².

The default database has one manager called manager with the password manager

Advanced: You may want to deactivate a user by selecting the User ID from the list and then

2 The default manager has the password manager.

clicking on Deactivate. A deactivated User Id can be reactivated by selecting the User ID from the list and then clicking on Reactivate. A user that has been deactivated can no longer use the system, even as a manager. The system will ensure that at least one manager remains active to prevent a total lockout of the system.

How to Store a file

A file can be stored using the JustSEARCH module. This requires that the JustSEARCH Server is running and can be accessed from your computer.

It could be that the JustSEARCH Server is temporarily deactivated by a manager. In this case you will not be able to store a file.

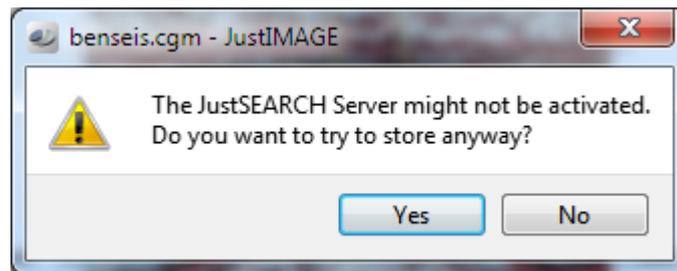


Illustration 20: JustSEARCH Server deactivated warning when storing.

This can happen if the system has been disabled for users because of maintenance. You can try to store if you know that the system will become available very soon. Otherwise you can wait several minutes and try again.

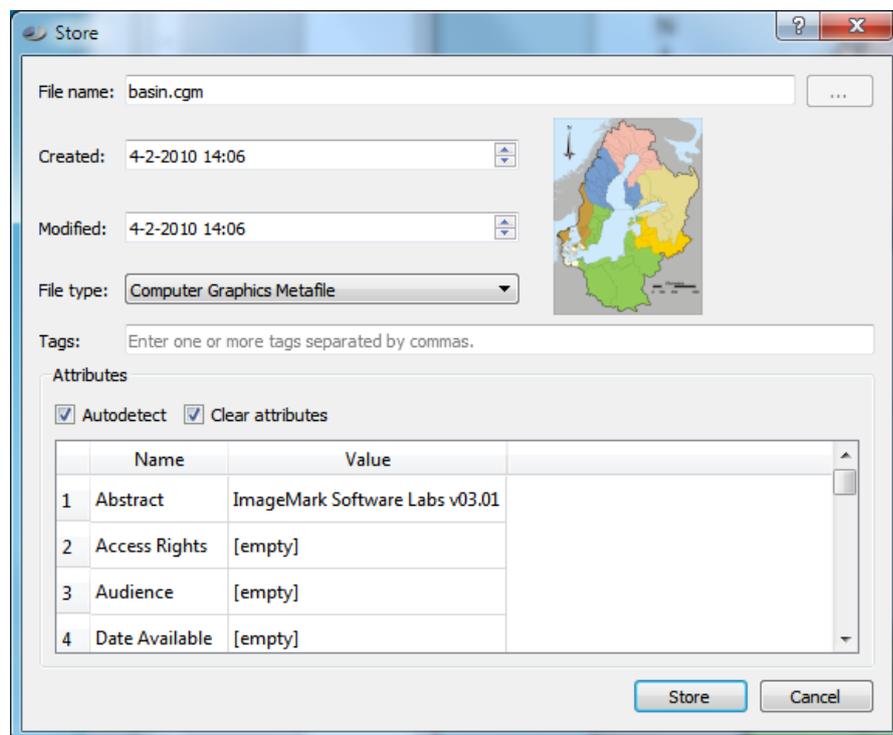


Illustration 21: The Store dialog box.

How to Store a file

JustSEARCH manager: You can always store a file regardless if the JustSEARCH Server is active or not. You will also be able to browse for a file and store from within the Store dialog box.

Viewer/JustEDIT: The store option only becomes available if you have loaded a file in the interface. Edit will ask first to save the file if necessary.

JustMONTAGE: The montage composition will be stored if you use this command. Montage will first ask to save the composition if necessary.

A preview image will be generated and shown if possible. This preview will be stored in the JustSEARCH Server for use when doing a retrieve.

You can enter one or more attribute values. The built-in attribute scanner will try to determine any attribute it can find if the “autodetect” option is enabled.

JustSEARCH manager: The “clear attributes” option will clear any attribute values when you browse for another file.

Double-click on the Value field to enter an attribute value. You will be able to enter either text, numbers, date/time or you have to select a fixed value from a combo-box depending on the attribute type. Either press the Enter key or click outside the field to finish entering the value. Use the Escape key to cancel the input. The JustSEARCH manager may have made some fields mandatory. In this case you must enter a value.

Tags are comma-separated values you can associate with the file you are storing.

Once you are finished setting the attribute values you can press Store to start the storing process. Note that you will be asked to enter any mandatory fields for which you may have forgotten to give a value.

How to Retrieve a file

A file can be retrieved using the JustSEARCH module. This requires that the JustSEARCH Server is running and can be accessed from your computer.

It could be that the JustSEARCH Server is temporarily deactivated by a manager. In this case you will not be able to retrieve a file.

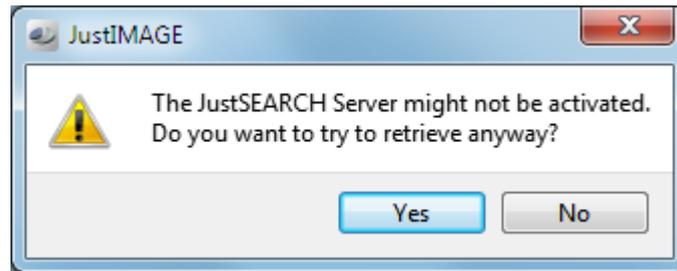


Illustration 22: JustSEARCH Server deactivated warning when retrieving.

This can happen if the system has been disabled for users because of maintenance. You can try to retrieve if you know that the system will become available very soon. Otherwise you can wait several minutes and try again.

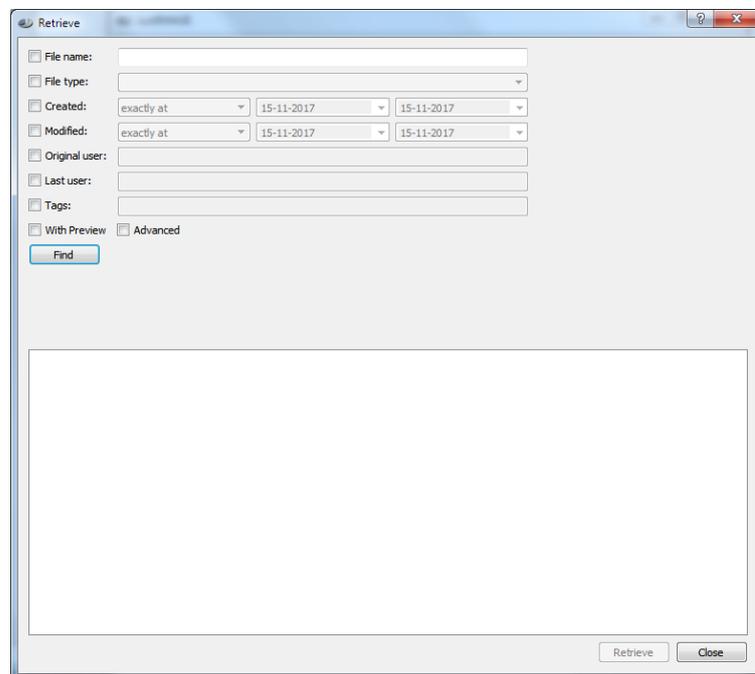


Illustration 23: The Retrieve dialog box.

How to Retrieve a file

Viewer: Montage composition files cannot be retrieved. All the other default File Types can be retrieved.

JustSEARCH manager: The Retrieve functionality is for testing purposes only. No actual file will be retrieved. You can always access the Retrieve dialog box regardless whether the JustSEARCH Server is active or not.

JustEDIT: JustMONTAGE composition files cannot be retrieved. All the other default File Types can be retrieved. Note that the File Type query filter is by default set to CGM. You must either set it to another File Type or disable the query filter if this is not what you intended.

JustMONTAGE: Only JustMONTAGE composition files can be retrieved. Note that the File Type query filter is already set to help you with this.

The Retrieve dialog box is roughly divided into two sections. The top half allows you to set one or more queries while the bottom half shows the result of the query. Note that, by default, only the basic queries are shown. Check the Advanced check box to bring up the advanced table with attributes.

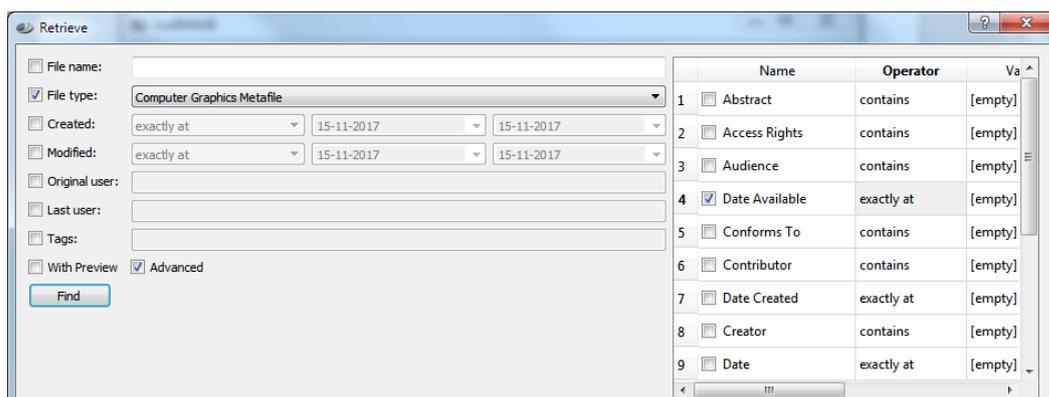


Illustration 24: The advanced attribute query table.

Set the check box before the query to select the query. You must set at least one query. Queries are inner joins which means that if you have multiple queries everything must match the individual query.

The query value you can enter depends on the type of query. Any text field must match the complete text string. You can use wildcards. Use '*' to match zero or more characters while '?' will match a single character. For example if you enter `ben*.cgm`, this will match `benseis.cgm`.

Dates can be entered either as an exact date, any date before the given date, any date after the given date or between two dates. Note that dates are stored in the system as UTC date/times to prevent ambivalence.

Original user and Last user are ids that are stored by the system. You can use wildcards for these as well.

Tags are comma-separated values that were entered when a file was stored.

Advanced attribute queries can be used by selecting the check box before the name. Depending on the attribute type you can set an operator. The query value should be entered in the first Value column by double-clicking the value cell. The second Value column is usually disabled except when a range selection is made for numbers or a date.

Select With Preview if you want a small preview image in the result of the search query. Having a preview does slow down the query. Press Find to start the query. This can take a second to a couple of seconds depending on the complexity of the query and whether you had selected With Preview.

	Original User	Last Modified Time	Last User	Size	Abstract	Access Rights	Au
2199	manager	2-1-2008 9:10	manager	10548560	Precision Visuals, Inc (PVI) V5.10 *** PVI_FORMAT		
2200	manager	20-12-2006 10:26	manager	1322218	Justcroft: Batch Montage (1.021)		
2201	manager	20-12-2006 10:26	manager	2064052	Justcroft: Batch Montage (1.021)		
2202	manager	20-12-2006 10:26	manager	2063942	Justcroft: Batch Montage (1.013)		
2203	manager	20-12-2006 10:26	manager	1322144	Justcroft: Batch Montage (1.021)		
2204	manager	11-2-2010 12:49	manager	3158	"ProfileId:Model","ColourClass:colour","Source:Jus...		
2205	manager	11-2-2010 12:30	manager	40338	"ProfileId:Model","ColourClass:colour","Source:Jus...		
2206	manager	20-12-2006 10:26	manager	1322226	Justcroft: Batch Montage (1.021)		
2207	manager	20-12-2006 10:26	manager	1322114	Justcroft: Batch Montage (1.021)		

Illustration 25: An example query result when doing a retrieve.

Select the file you want to load and press Retrieve to load it in the main interface. Note that the dialog box will stay open until you select Close³.

³ Except in the JustSEARCH manager. The dialog box will close in this interface.

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