

LOCAL ACCESS SOFTWARE

<https://www.iDyamSolutions.com/enhancements/iDyam/LocalAccess>

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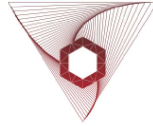
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SOFTWARE PACKAGE

This software enables access to local resources through a local web service, where the port is user defined, into functional plugins.

It is not mandatory for the web service to be accessible from the internet, which means you can restrict this access to be within your local or wide-area network.

If the local machine is restricted from accessing the internet (outbound) then it will be necessary to install a local license file, so please specify this when requesting the software.



LOCAL INSTALLATION

A local administrator user must perform all the below steps.

Ensure that the local machine has a static IP address.

You must have an available local port number (can be the same on each local machine).

You will have received:

- This software is provided in a password protected ZIP package, per plugin.
- A license will also be provided for the plugin being used, either requiring the license server URL or the license file (depending on what was requested).

If this is the first time any local access software is being installed:

- Create a new folder, called "Local Access", within the root directory of whichever local drive you want this on and extract the contents into here.

If this is not a first time install:

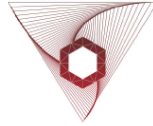
- You must ensure that the current software is not running.
- Extract the contents into the currently existing folder.

If you have a license file:


- In the file explorer go to the "Local Access" folder, then the "Plugins" sub-folder and then the next level folder with the actual name of the relevant plugin, like "Printing".
- Place the license file here.

To allow the incoming traffic:


- Go to the "Windows Defender Firewall" (from the control panel) and click on "Advanced Settings".
- Click on the left "Inbound Rules" and then click on the right "New Rule".
- For the rule type select "Port" and then click the "Next" button.
- Now select "TCP", "Specific local ports" and enter the port number into the box, and then click the "Next" button.
- Now select either "Allow the connection" (even if not protected) or "Allow the connection if it is secure" (complete any other required setup, like certificate) and then click the "Next" button.
- Now ensure that "Public" is not ticked and then click the "Next" button.
- Now give this rule a name, like "LocalAccess888g", and then click the "Finish" button.
- If any network rule is also needed, then you must ensure that that the relevant port forwarding is correctly configured.



Configure the "Local Access" settings:

- In the file explorer go to the "Local Access" folder, right click onto the "NavengersLocalAccess.exe" file and select "Run as administrator".
- If this is the first time it has been run then the settings dialog will be shown, otherwise you will need to right click onto the  tray icon and select "Settings" from the menu.
- Either enter the "License Server" URL or tick "Use local License Files".
- Enter the "Host" as either "http://+" or "https://+", depending on your policies.
- Enter the "Port" number.
- Optionally tick the "Load on Windows Startup".
- Now click the "Save Settings" button.


All setup is now complete, so you no longer must use a local administrator user:

- To close the software right click on the  tray icon and select "Exit" from the menu.
- Logoff and then login as the usual user.
- In the file explorer go to the "Local Access" folder and double click onto the "NavengersLocalAccess.exe" file.
- The software is now running and listening on the specified port.

ARCHITECTURE

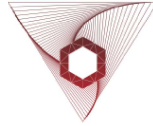
This software is designed to be used by other applications that require local machine access from a central or external server, where the relevant functionality is provided by a plugin.

Each plugin for local access defines its own API for their implemented methods:

- When you right click the  tray icon, each plugin is listed at the top of the menu ...
 - Select a plugin menu item to see information about it.

When a remote application calls the local access webservice, for a specific machine, it must pass in the "Customer-Id" and "License-Token" header parameters.

Examples of remote applications that utilize this are "Microsoft Business Central – Extensions", as described within each plugin below.



PLUGINS

Each plugin requires a license, and these are issued by iDyam Solutions.

PRINTING

This provides a method of printing PDF files onto locally defined printers from a remote system, without the need to define any network or internet printers.

Call the base endpoint to see the API usage:

- `http[s]://<ip-address>:<port>/Print`

When making a web service call:

- Specify the "Accept" header for either JSON (default), XML or CSV to be returned – e.g.
 - `application/xml`

REMOTE APPLICATION

"Microsoft Business Central" extension:

- There is a "Remote Printing" extension which provides functionality for listing local printers and printing PDF files...
 - This is used by the "Packing Shipments" extension to select local printers against a packing station machine and then for printing the labels and other documents during the warehouse packing process.

OTHER

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