

Reconfiguring internal services to run on a custom port

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i **Summary:** How to change the port on which the internal services are configured to run when using a traditional Microsoft Windows installation (not involving Docker).

Introduction

i See also the following documentation if you wish to reconfigure the **front-end service (port 80)** to run on **port 443** or another **custom port**:

- [Reconfiguring the front end imaging-fe Windows service to use an alternative unsecure port](#)
- [Reconfiguring the front end service to use a secure port](#)

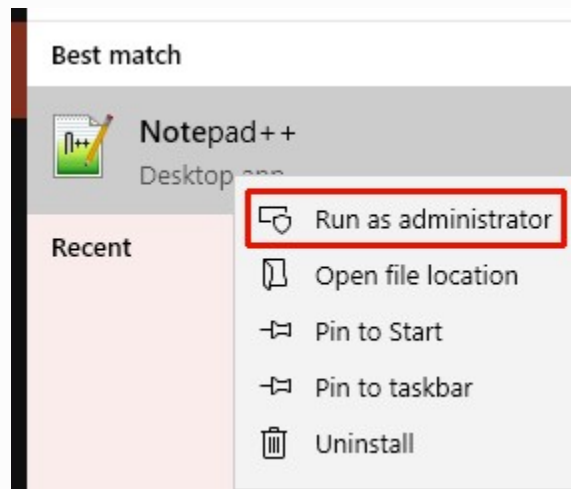
CAST Imaging has several internal services that are preconfigured to run on specific ports as detailed below:

Windows Service name	Docker container name	Description	Default Listening Port	Notes
CAST Imaging System - imaging-ETL	etl	CAST Imaging application management service.	9001	-
CAST Imaging System - Frontend service	nginx	CAST Imaging front-end web service.	80 (2.0.0-beta5) 8083 (2.0.0-beta6) i For 2.0.0-beta6, if port 8083 is not free, the next available port will be used.	From 2.1.0-funcrel this image is no longer pushed. Merged into "server".
CAST Imaging System - imaging-service	server	CAST Imaging back-end web service.	9000	-
CAST Imaging System - login service	login	CAST Imaging login and authentication service.	8084	From 2.1.0-funcrel this image is no longer pushed. Merged into "server".
CAST Imaging System - sourcecode service	sourcecode	CAST Imaging sourcecode service.	9980	From 2.1.0-funcrel this image is no longer pushed. Merged into "server".
CAST Imaging System - Neo4j Graph Database	neo4j	Neo4j Graph Database instance.	7473, 7474, 7687	-

The port numbers for the majority of these services (except the **Neo4j Graph Database** service) **can be changed** if you have other services already running on these ports - the process is described below.

Microsoft Windows via traditional installer

Note that the files described below are located in the protected %PROGRAMFILES% location, therefore you must open the files with **elevated permission** (this is usually achieved by right clicking your text editor in the Windows start menu and selecting **Run as administrator**):



Microsoft Windows

CAST Imaging System - imaging-ETL

This service runs on port **9001**. To change this port to something else, replace all instances of 9001 with your custom port number in the following files:

```
%APPDATA%\CAST\ImagingSystem\imaging-service\imaging-etl.bat  
%APPDATA%\CAST\ImagingSystem\login\application.properties
```

Save the files and ensure that you restart the **CAST Imaging System - imaging-ETL** Windows service.

CAST Imaging System - imaging-service

This service runs on port **9000**. To change this port to something else, replace all instances of 9000 with your custom port number in the following files:

```
%APPDATA%\CAST\ImagingSystem\imaging-service\imaging-service.bat  
%APPDATA%\CAST\ImagingSystem\nginx\nginx.conf  
%APPDATA%\CAST\ImagingSystem\login\application.properties  
%PROGRAMFILES%\CAST\ImagingSystem\imaging-service\create-admin-user.bat
```

Save the files and ensure that you restart the **CAST Imaging System - imaging-service** Windows service.

CAST Imaging System - sourcecode service

This service runs on port **9980**. To change this port to something else, replace all instances of 9980 with your custom port number in the following files:

```
%APPDATA%\CAST\ImagingSystem\sourcecode\application.properties  
%APPDATA%\CAST\ImagingSystem\login\application.properties
```

Save the files and ensure that you restart the **CAST Imaging System - sourcecode service** Windows service.

CAST Imaging System - login service

This service runs on port **8084**. To change this port to something else, replace all instances of 8084 with your custom port number in the following files:

```
%APPDATA%\CAST\ImagingSystem\login\application.properties
%APPDATA%\CAST\ImagingSystem\nginx\nginx.conf
```

Save the files and ensure that you restart the **CAST Imaging System - login service** Windows service.

Docker for Windows/Linux

You can modify the ports used by the **etl (9001)**, **server (9000)**, **login (8084)** and **sourcecode (9980)** containers. Edit the following file:

```
Docker Installer extension (located in the folder created when unzipping the extension):
.env
```

For example, to change the default **etl** port from **9001** to **9002**, change the port number on the **ETL_PORT** line:

```
SERVER_PORT=9000
ETL_PORT=9002
LOGIN_PORT=8084
SOURCECODE_PORT=9980
```

Save the file and ensure that you **stop** and then **start** CAST Imaging using the following commands (issuing a **restart** will not cause the port number change to be taken into account):

```
---Stop CAST Imaging:

Docker Installer extension (ensure you run the commands from the folder created when unzipping the extension):
Linux: ./imaging -s stop
Microsoft Windows: imaging.exe -s stop

---Start CAST Imaging:

Docker Installer extension (ensure you run the commands from the folder created when unzipping the extension):
Linux: ./imaging -s start
Microsoft Windows: imaging.exe -s start
```