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Setup:Installation Guide/System Preparation/Windows /Elasticsearch



Elasticsearch is available up to BlueSpice 4.3. Newer versions of BlueSpice 4 support [OpenSearch](#).

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Elasticsearch is a prerequisite for running Advanced Search. The steps listed here are optional and only required if you plan to use them in your BlueSpice installation.



To run Elasticsearch, OpenJDK is required. If you have not installed it, [install it now](#).

Download



The content of this section refers to external sources and is current at the time of writing this documentation. We cannot guarantee how long these sources will remain unchanged. Please let us know if you notice any discrepancies to the information provided here.

BlueSpice ist derzeit mit Elasticsearch 6.x ab Version 6.8.21 kompatibel. Elasticsearch > 6.8.x wird derzeit nicht unterstützt.

Die jeweils aktuelle Version können Sie [dieser Liste](#) entnehmen. Daraus ergibt sich folgender direkter Download-Link: <https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-<Versionsnummer>.zip> also bspw. <https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-6.8.23.zip>.

Folgen Sie dabei den Download-Anweisungen Ihres Browsers.



In the following, the Elasticsearch version 6.8.23 is used and only serves as an example for the latest version of the 6.x version series, which you can download at the time of your installation.

Unpacking the ZIP archive

Unpack the ZIP archive that you have just downloaded in a Archiv in a suited system path of your hard drive.

This documentation assumes the [folder structure recommended by us](#). For



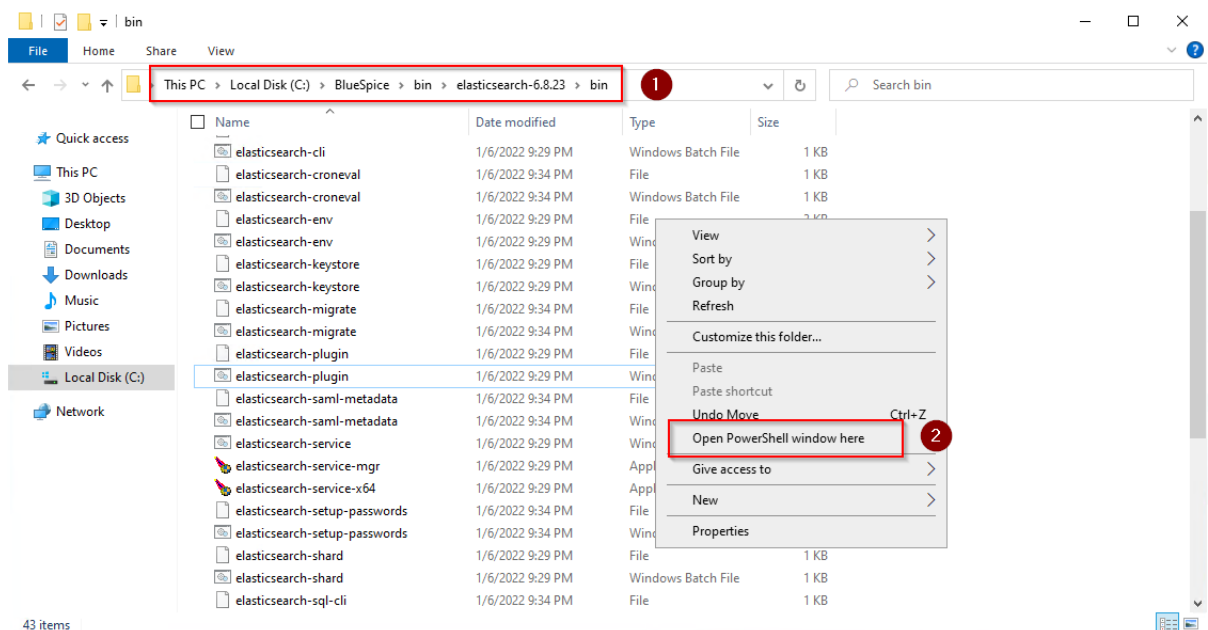
this reason, Elasticsearch is unpacked at this point in the folder C:\bluespice\bin\elasticsearch-6.8.23. If you have individual wishes, adjust these paths according to your own understanding.

Installing the plugin ingest-attachment

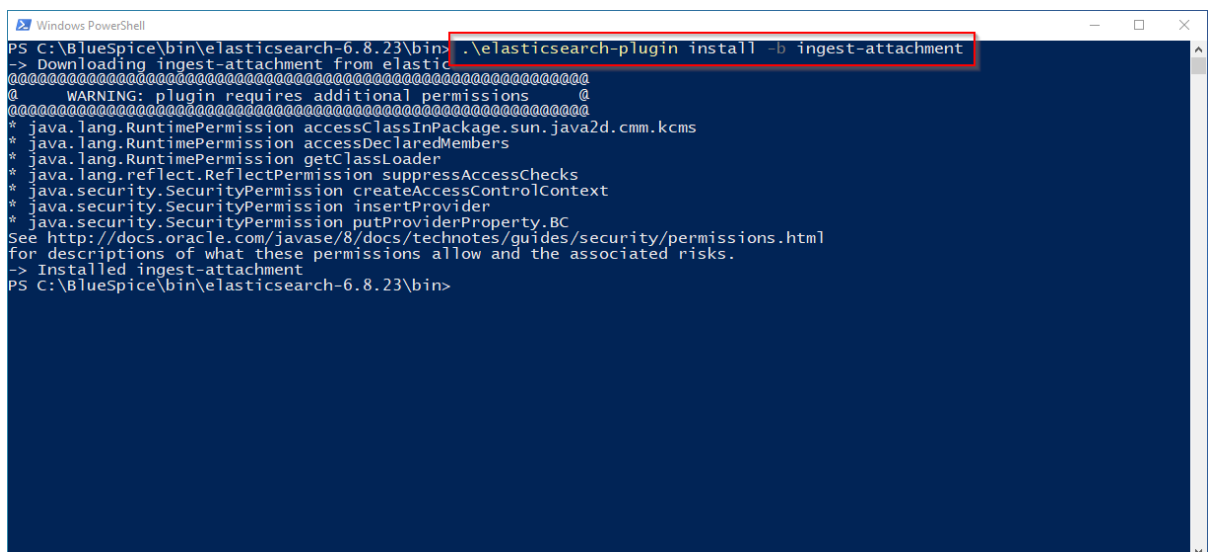
Change to the directory "C:\bluespice\bin\elasticsearch-6.8.23\bin" (1).

Right-click on a free area of the Explorer window with the Shift-key pressed.

Click "Open PowerShell window here" (2):



Execute the command ". \elasticsearch-plugin install -b ingest-attachment":





If your server does not have an active internet connection, then [download the plug-in ingest-attachment as zip archive](#) and install it, as [documented directly by the manufacturer](#).

Installing the Elasticsearch service

Run the "elasticsearch-service.bat install" command and wait for the process to complete:

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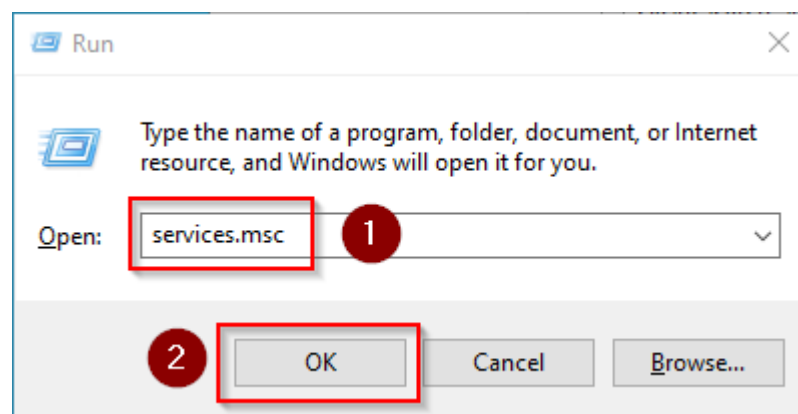
PS C:\BlueSpice\bin\elasticsearch-6.8.23\bin> .\elasticsearch-plugin install -b ingest-attachment
-> Downloading ingest-attachment from elastic
#####
@      WARNING: plugin requires additional permissions      @
#####
* java.lang.RuntimePermission accessClassInPackage.sun.java2d.cmm.kcms
* java.lang.RuntimePermission accessDeclaredMembers
* java.lang.RuntimePermission getClassLoader
* java.lang.reflect.ReflectPermission suppressAccessChecks
* java.security.SecurityPermission createAccessControlContext
* java.security.SecurityPermission insertProvider
* java.security.SecurityPermission putProviderProperty.BC
See http://docs.oracle.com/javase/8/docs/technotes/guides/security/permissions.html
for descriptions of what these permissions allow and the associated risks.
-> Installed ingest-attachment
PS C:\BlueSpice\bin\elasticsearch-6.8.23\bin> .\elasticsearch-service install
Installing service      : "elasticsearch-service-x64"
Using JAVA_HOME (64-bit): "C:\BlueSpice\bin\jdk-17.0.2"
-Xms1g;-Xmx1g;-XX:+UseG1GC;-XX:G1ReservePercent=25;-XX:InitiatingHeapOccupancyPercent=30;-Des.networkaddress.cache.ttl=60;-Des.networkaddress.cache.negative.ttl=10;-XX:+AlwaysPreTouch;-Xss1m;-Djava.awt.headless=true;-Dfile.encoding=UTF-8;-Djna.nosys=true;-XX:-OmitStackTraceInFastThrow;-XX:+ShowCodeDetailsInExceptionMessages;-Dio.netty.noUnsafe=true;-Dio.netty.noKeySetOptimization=true;-Dio.netty.recycler.maxCapacityPerThread=0;-Dlog4j.shutdownHookEnabled=false;-Dlog4j2.disable.jmx=true;-Dlog4j2.formatMsgNoLookups=true;-Djava.io.tmpdir=C:\Users\~ADM-B~1\AppData\Local\Temp\6\elasticsearch;-XX:+HeapDumpOnOutOfMemoryError;-XX:HeapDumpPath=data;-XX:ErrorFile=logs/hs_err_pid%p.log;-Xlog:gc*,gc+age=trace,safepoint:file=logs/gc.log:utctime,pid,tags:filecount=32,filesize=64m;-Djava.locale.providers=COMPAT;-XX:UseAVX=2
The service 'elasticsearch-service-x64' has been installed.
PS C:\BlueSpice\bin\elasticsearch-6.8.23\bin>

```

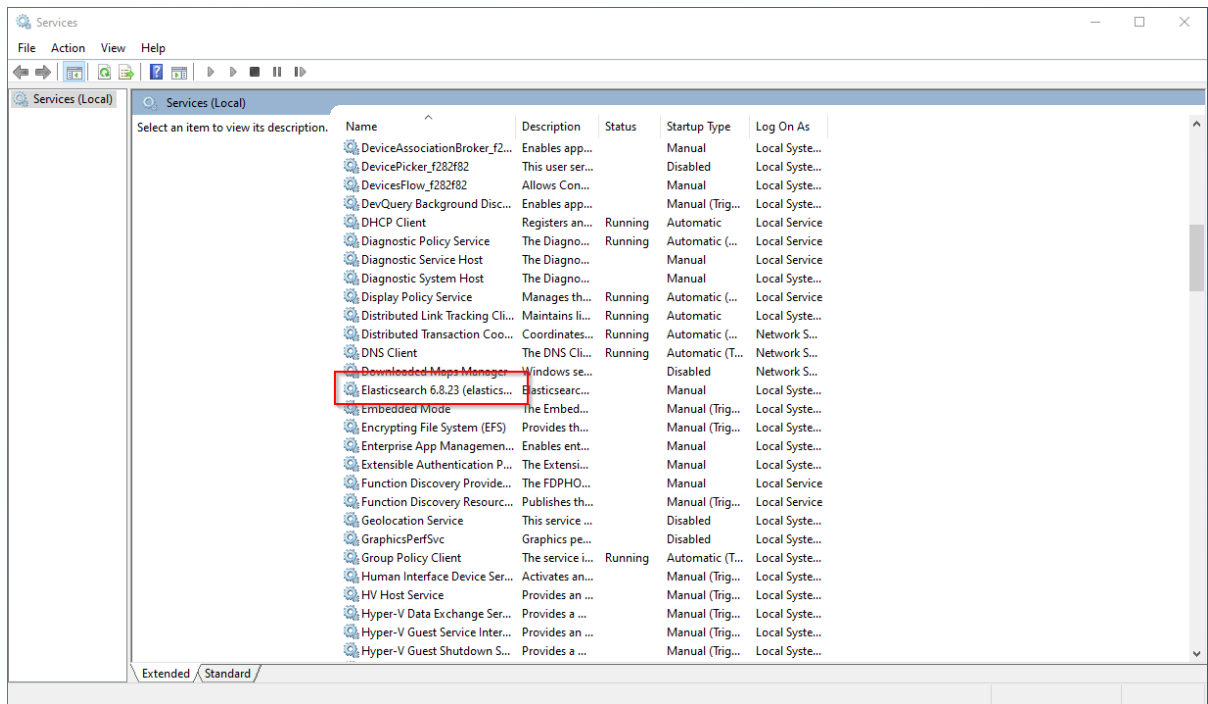
Configuring and starting the Elasticsearch service

Press the key combination Windows+R.

Enter "services.msc" (1) in the dialog window and **click** "OK" (2):

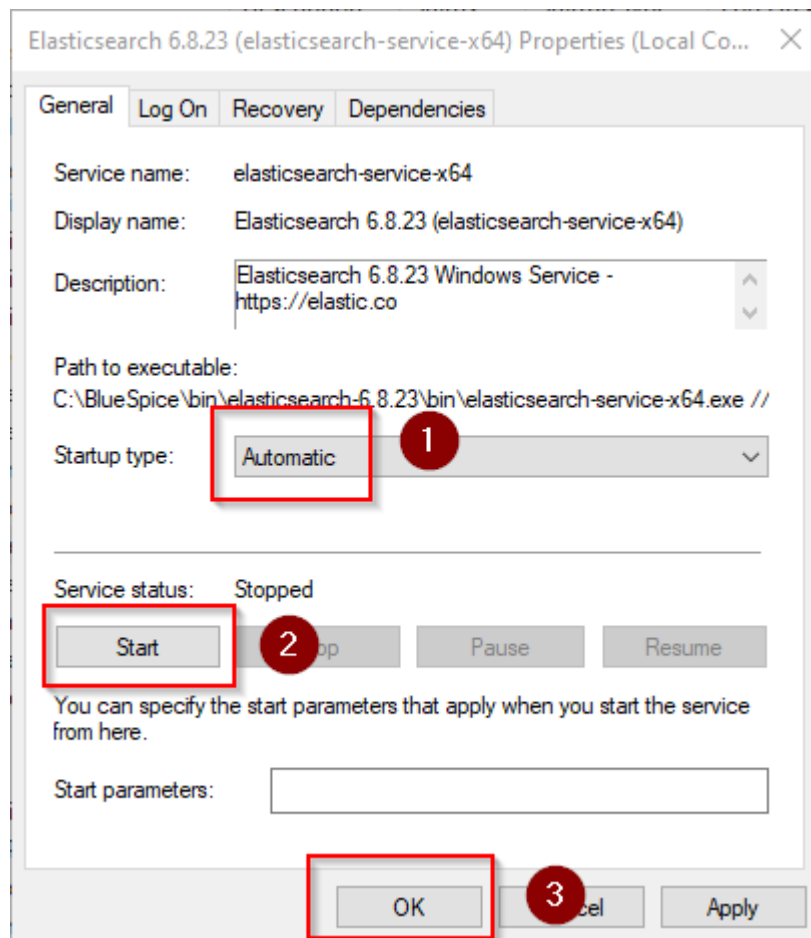


Search for the service "Elasticsearch 6.8.23" and open it with a double-click:



Select the startup type "Automatic" (1) and start the service (2).

Click "OK" (3) to close the window after the service is started:



Next step

If you have successfully completed all of the above steps, proceed to the next step: [Python](#).