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ExtendedSearch configuration

If the ElasticSearch service is up and running, you can enable BlueSpice Extended Search.

- Go to your BlueSpice install path. For example:

```
cd /var/www/bluespice
```

- Go to the folder *settings.d*:

```
cd settings.d
```

- Create a file in this folder and name it *020-BlueSpiceExtendedSearch.local.php*.
- Put the following content in the newly created file.

```
<?php
wfLoadExtension( 'BlueSpiceExtendedSearch' );
$GLOBALS['wgSearchType'] = 'BS\\ExtendedSearch\\MediaWiki\\Backend\\BlueSpiceSearch';
```

- Go to your BlueSpice install path again. For example:

```
cd /var/www/bluespice
```

- Run the following scripts to build the search index.

```
php extensions/BlueSpiceExtendedSearch/maintenance/initBackends.php --quick
php extensions/BlueSpiceExtendedSearch/maintenance/rebuildIndex.php --quick
php maintenance/runJobs.php
```

Done! The extended search functionality is now active.

Elasticsearch on Linux

✳ OpenSearch is available up to BlueSpice 4.3. Newer versions of BlueSpice 4 support OpenSearch.

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> **Note:** Elasticsearch is a prerequisite for the operation of Advanced Search. The steps listed here are optional and only required if you plan to use them in your BlueSpice installation.

Adding the package sources

Elasticsearch is not included in the package manager on Debian. However, the manufacturer provides a repository for the software. Add it with the following commands to your Debian installation. Prerequisite is that you have installed the program "gnupg" (`apt install gnupg`).

```
wget -qO - https://artifacts.elastic.co/GPG-KEY-elasticsearch | apt-key add -; \
echo "deb https://artifacts.elastic.co/packages/6.x/apt stable main" > /etc/apt
/sources.list.d/elastic-6.x.list
```

Installing Elasticsearch

The subsequent installation of Elasticsearch will guide you through these commands.

```
apt update; \
apt install elasticsearch; \
apt clean
```

Installing ingest-attachment

For the advanced search in BlueSpice you need the plugin "ingest-attachment" for Elasticsearch. This Install it with the following command:

```
/usr/share/elasticsearch/bin/elasticsearch-plugin install -b ingest-attachment
```

Start Elasticsearch and add it to startup

Add the Elasticsearch to startup and then start the service:

```
systemctl enable elasticsearch; \
service elasticsearch start
```

Next step

If you have completed all steps successfully, you can proceed to the next step "Python".