



# Platform, Services, and Utilities

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SAP Commerce Cloud in the Public Cloud | 2211

## PUBLIC

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# Upgrading to Solr 9.x

Starting in update 2211.16, you can upgrade to Solr 9 and implement new functionality provided by Solr.

## Prerequisites

The following prerequisites are only relevant if you're upgrading from Solr 8:

- You've completed the steps described in [Upgrading Solr Security Configuration](#).
- You may have to modify your custom code if it used the deprecated classes that were removed from the Solr 9 client. For more information, refer to the Deprecations and Removals section in the [Solr Reference Guide](#) .
- You've reviewed the [Minor Solr Version Validity](#) information.

## Context

### i Note

If you're using Solr 8, we encourage you to upgrade to Solr 9.x at your earliest convenience.

There are two possible upgrade scenarios:

- Upgrade from Solr 8 to Solr 9.x.
- Upgrade from Solr 9.x to latest Solr 9 version.

The supported Solr versions depends on which SAP Commerce Cloud update you're running. For more information, see [Upgrading Solr Version](#).

Determine which scenario best applies to you and perform the relevant steps.

## Procedure

If you're upgrading from Solr 8 to Solr 9.x:

1. Update the Solr version to 9.x in your `manifest.json` file.
2. If you have custom Solr configuration, update the following information in the specified files:
  - a. `{SOLR_INSTANCE_DIR}/configsets/default/schema.xml`

| Version 8.11                          | Version 9.x                          |
|---------------------------------------|--------------------------------------|
| <schema name="hybris" version="8.11"> | <schema name="hybris" version="9.5"> |

- b. `{SOLR_INSTANCE_DIR}/configsets/default/solrconfig.xml`

| Version 8.11                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| < luceneMatchVersion>8.11.2</ luceneMatchVersion>< lib dir="{solr.install.dir:../../../../}/contr<br>< lib dir="{solr.install.dir:../../../../}/contrib/analysis-extras/lucene-libs" regex=".*\.jar"<br>< lib dir="{solr.install.dir:../../../../}/dist/" regex="solr-analysis-extras-\d.*\.jar" />< lit |

Version 8.11

```
<filterCache class="solr.FastLRUCache" size="512" initialSize="512" autowarmCount="0" />
<queryResultCache class="solr.LRUCache" size="512" initialSize="512" autowarmCount="0" />
<documentCache class="solr.LRUCache" size="512" initialSize="512" autowarmCount="0" />
<cache name="perSegFilter" class="solr.search.LRUCache" size="10" initialSize="0" autowarmCour
  regenerator="solr.NoOpRegenerator" />
```

c. {SOLR\_INSTANCE\_DIR}/solr.xml

Version 8.11

```
<str name="zkCredentialsProvider">${zkCredentialsProvider:org.apache.solr.common.cloud.Default
<str name="zkACLProvider">${zkACLProvider:org.apache.solr.common.cloud.DefaultZkACLProvider}</
```

3. If you have modified other configuration files provided by Solr out-of-the-box, update them with the new Solr 9 configuration files. For example, the `jetty.xml` file.
- If you're upgrading from 9.x to the latest Solr 9:**
4. Update the Solr version to the latest Solr 9 version in your `manifest.json` file.

## Next Steps

Once you've completed the steps for one of the upgrade scenarios, re-index the data. There isn't any downtime, but it's always recommended to index the data again.

## Related Information

- [Selecting Solr Server Version](#)
- [Creating and Adding Custom Solr Files to Code Repository](#)