



# Hibernate Search 6.1.7.Final

## *Migration Guide from 6.0*

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# Introduction

The aim of this guide is to assist you migrating an existing application using any version **6.0.x** of Hibernate Search to the latest of the **6.1.x** series.



If you think something is missing or something does not work, please [contact us](#).

If you're looking to migrate from an earlier version, you should migrate step-by-step, from one minor version to the next, following the migration guide of [each version](#).

# Requirements

Hibernate Search 6.1.7.Final now requires using Hibernate ORM versions from the 5.6.x family.

# Data format and schema changes

Indexes created with Hibernate Search 6.0 can be read from and written to with Hibernate Search 6.1.7.Final.

# Configuration changes

The configuration properties are backward-compatible with Hibernate Search 6.0.

Some configuration properties API have been deprecated, and will be removed in the next major version:

- `hibernate.search.automatic_indexing.strategy:` use `hibernate.search.automatic_indexing.enabled` instead, passing either `true` or `false`.

# API changes

The [API](#) is backward-compatible with Hibernate Search 6.0.

Parts of the API have been deprecated, and will be removed in the next major version:

- `FromDocumentFieldValueConverter`: implement `FromDocumentValueConverter` instead.
- `ToDocumentFieldValueConverter`: implement `ToDocumentValueConverter` instead.
- `org.hibernate.search.mapper.orm.massindexing.MassIndexingFailureHandler`: implement `org.hibernate.search.mapper.pojo.massindexing.MassIndexingFailureHandler` instead.
- `org.hibernate.search.mapper.orm.massindexing.MassIndexingMonitor`: implement `org.hibernate.search.mapper.pojo.massindexing.MassIndexingMonitor` instead.
- `AutomaticIndexingStrategyName`, `HibernateOrmMapperSettings#AUTOMATIC_INDEXING_STRATEGY`, `HibernateOrmMapperSettings.Radicals#AUTOMATIC_INDEXING_STRATEGY`, `HibernateOrmMapperSettings.AutomaticIndexingRadicals#STRATEGY`, `HibernateOrmMapperSettings.Defaults#AUTOMATIC_INDEXING_STRATEGY`: use the new configuration property that accepts `true/false` instead. See `HibernateOrmMapperSettings#AUTOMATIC_INDEXING_ENABLED`.
- `ElasticsearchBackendSettings.Defaults#MULTITENANCY_STRATEGY`, `LuceneBackendSettings.Defaults#MULTITENANCY_STRATEGY`: the default for these properties is now dynamic. If the multi-tenancy is enabled in the mapper, the default is `MultiTenancyStrategyName#DISCRIMINATOR`; Otherwise, the default is still `MultiTenancyStrategyName#NONE`.

# SPI changes

The [SPI](#) is mostly backward-compatible with Hibernate Search 6.0.

Below are the most notable SPI changes:

- `org.hibernate.search.engine.cfg.spi.ConfigurationPropertySource` moved to `org.hibernate.search.engine.cfg.ConfigurationPropertySource`
- `org.hibernate.search.backend.elasticsearch.client.spi.ElasticsearchHttpClientConfigurer` moved to `org.hibernate.search.backend.elasticsearch.client.ElasticsearchHttpClientConfigurer` and is now API.
- `org.hibernate.search.backend.elasticsearch.client.spi.ElasticsearchHttpClientConfigurationContext` moved to `org.hibernate.search.backend.elasticsearch.client.ElasticsearchHttpClientConfigurationContext` and is now API.
- `org.hibernate.search.engine.common.timing.spi.Deadline` moved to `org.hibernate.search.engine.common.timing.Deadline` and is now API.
- `org.hibernate.search.engine.backend.work.execution.spi.IndexIndexingPlanExecutionReport` is now `org.hibernate.search.engine.backend.work.execution.spi.MultiEntityOperationExecutionReport`.
- `URLEncodedString#fromJsonString` was removed.
- `FieldPaths#absolutize(String, String, String)` was removed.
- `IndexManagerImplementor#createIndexingPlan` no longer expects an `EntityReferenceFactory` parameter, but `IndexIndexingPlan#executeAndReport` does.
- API changes around `ToDocumentFieldValueConverter` / `FromDocumentFieldValueConverter` led to more SPI changes. See <https://github.com/hibernate/hibernate-search/pull/2611>.
- The document model SPI for backend implementations changed significantly:
  - `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexSchemaObjectNodeBuilder` is now `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexCompositeNodeBuilder`.
  - `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexSchemaObjectFieldNodeBuilder` is now `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexObjectFieldBuilder`.
  - `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexSchemaR`



`ootNodeBuilder` is now `org.hibernate.search.engine.backend.document.model.dsl.spi.IndexRootBuilder`.

- Implementations should rely on abstract classes provided as part of the SPI, for example `org.hibernate.search.engine.backend.document.model.spi.AbstractIndexModel`.
- Etc. See <https://github.com/hibernate/hibernate-search/pull/2591> for an example of how to migrate backend implementations.
- The entry points of the search DSL SPI for backend implementations changed significantly. See <https://github.com/hibernate/hibernate-search/pull/2591> and <https://github.com/hibernate/hibernate-search/pull/2592> for an example of how to migrate backend implementations.

Parts of the SPI have been deprecated, and will be removed in the next major version:

- `ElasticsearchAwsCredentialsProvider`: implement `ElasticsearchAwsCredentialsProvider` instead.

# Behavior changes

No behavior changes to report.