



Hibernate Search 7.2.0.Alpha1

Migration Guide from 7.1

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Introduction

The aim of this guide is to assist you migrating an existing application using any version **7.1.x** of Hibernate Search to the latest of the **7.2.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](#).



To Hibernate Search 5 users

Be aware that a lot of APIs have changed since Hibernate Search 5, some only because of a package change, others because of more fundamental changes (like moving away from using Lucene types in Hibernate Search APIs).

When migrating from Hibernate Search 5, you are encouraged to migrate first to Hibernate Search 6.0 using the [6.0 migration guide](#), and only then to later versions (which will be significantly easier).

Requirements

The requirements of Hibernate Search 7.2.0.Alpha1 are the same as those of Hibernate Search 7.1:

- JDK 11 or later;
- Lucene 9 for its Lucene backend;
- Elasticsearch 7.10+ or OpenSearch 1.3+ for its Elasticsearch backend;
- Hibernate ORM 6.4.x for the Hibernate ORM integration.

Artifacts

The coordinates of Maven artifacts in Hibernate Search 7.2.0.Alpha1 are the same as in Hibernate Search 7.1.

Data format and schema

Indexes

The index format and schema in Hibernate Search 7.2.0.Alpha1 is backward-compatible with Hibernate Search 7.1: older indexes can be read from and written to without reindexing.

Outbox polling database tables

The event and agent database tables used for [outbox-polling](#) in Hibernate Search 7.2.0.Alpha1 are backward-compatible with Hibernate Search 7.1: no database schema update is necessary for these tables.

Configuration

The configuration properties in Hibernate Search 7.2.0.Alpha1 are backward-compatible with Hibernate Search 7.1.

API

The [API](#) in Hibernate Search 7.2.0.Alpha1 is backward-compatible with Hibernate Search 7.1.

With Hibernate ORM allowing non-`String` tenant identifiers, some of the Hibernate Search methods got deprecated and alternatives were introduced:

- `org.hibernate.search.mapper.orm.scope.SearchScope#workspace(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.orm.scope.SearchScope#workspace(Object tenantId)`
- `org.hibernate.search.mapper.orm.scope.SearchScope#massIndexer(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.orm.scope.SearchScope#massIndexer(Object tenantId)`
- `org.hibernate.search.mapper.pojo.standalone.scope.SearchScope#workspace(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.pojo.standalone.scope.SearchScope#workspace(Object tenantId)`
- `org.hibernate.search.mapper.pojo.standalone.scope.SearchScope#massIndexer(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.pojo.standalone.scope.SearchScope#massIndexer(Object tenantId)`
- `org.hibernate.search.mapper.pojo.standalone.session.SearchSession#tenantIdentifier()` deprecated in favor of `org.hibernate.search.mapper.pojo.standalone.session.SearchSession#tenantIdentifierValue()`
- `org.hibernate.search.mapper.pojo.standalone.session.SearchSessionBuilder#tenantId(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.pojo.standalone.session.SearchSessionBuilder#tenantId(Object tenantId)`
- `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#countAbortedEvents(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#countAbortedEvents(Object tenantId)`
- `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#reprocessAbortedEvents(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#reprocessAbortedEvents(Object tenantId)`
- `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#clearAllAbortedEvents(String tenantId)` deprecated in favor of `org.hibernate.search.mapper.orm.outboxpolling.mapping.OutboxPollingSearchMapping#clearAllAbortedEvents(Object tenantId)`

SPI

The [SPI](#) in Hibernate Search 7.2.0.Alpha1 is backward-compatible with Hibernate Search 7.1.

Deprecated methods removed:

- `org.hibernate.search.mapper.pojo.scope.spi.PojoScopeDelegate#workspace(DetachedBackendSessionContext)`
- `org.hibernate.search.mapper.pojo.scope.spi.PojoScopeDelegate#massIndexer(PojoMassIndexingContext, DetachedBackendSessionContext)`

Behavior

The behavior of Hibernate Search 7.2.0.Alpha1 is backward-compatible with Hibernate Search 7.1.



It is worth mentioning that with the changes in [HSEARCH-5062](#) you may notice changes in the queries Hibernate Search creates to load entities. While we are expecting that the introduced changes should help with performance, if you notice any problems with them, we'd appreciate you reaching out to let us know.