

# Eclipse Scout

## *Migration Guide*

Scout Team

Version 10.0

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# About This Document

This document describes all relevant changes **from Eclipse Scout 9.0 to Eclipse Scout 10.0**. If existing code has to be migrated, instructions are provided here.

## Service Releases

Scout 10.0 will continue to be maintained for a while and a new build may be released from time to time, following the [Simultaneous Release Cycle](#). Beside bugfixes, these service releases may even contain some minor features.

The following changes were made after the initial 10.0 release.

### Simrel 2020-03 — TBD



The here described functionality has not yet been released and is part of an upcoming release.

## API Changes (Java)

### StrictSimpleDateFormat

`org.eclipse.scout.rt.jackson.dataobject.StrictSimpleDateFormat` was removed. Use `org.eclipse.scout.rt.platform.util.date.StrictSimpleDateFormat` instead.

### ObjectUtility

`nv1Optional()` was renamed to `nv1Opt()`.

## Data Objects

The Scout data object support was moved from the Scout platform to the module `org.eclipse.scout.rt.dataobject`. The package imports of all data object related classes therefore changed: From `org.eclipse.scout.rt.platform.dataobject` to `org.eclipse.scout.rt.dataobject`

### Renamings

`org.eclipse.scout.rt.client.ui.desktop.datachange.DoChangeEvent` →  
`org.eclipse.scout.rt.client.ui.desktop.datachange.ItemDataChangeEvent`

### Dependencies

All modules which use data objects were extended with a dependency to `org.eclipse.scout.rt.dataobject`

- `org.eclipse.scout.rt.rest`

- `org.eclipse.scout.rt.mom.api`

## Renamings in ErrorDo

- `org.eclipse.scout.rt.rest.error.ErrorDo#status` → `org.eclipse.scout.rt.rest.error.ErrorDo#httpStatus`
- `org.eclipse.scout.rt.rest.error.ErrorDo#code` → `org.eclipse.scout.rt.rest.error.ErrorDo#errorCode`

## CacheBuilder

The following methods on `CacheBuilder` were removed, since they were unused and covered unused, old functionality:

- Method `org.eclipse.scout.rt.shared.cache.CacheBuilder.addCacheInstance(ICache<K, V>)`
- Method `org.eclipse.scout.rt.shared.cache.CacheBuilder.getCacheInstances()`

## Move ICache and transactional Map

`AbstractTransactionalMap` and its concrete implementations `ConcurrentTransactionalMap` and `CopyOnWriteTransactionalMap` have been moved to `org.eclipse.scout.rt.platform.util.collection`.

`ICache`, its implementations and cache wrappers have been moved to `org.eclipse.scout.rt.platform.cache`.

## API Changes (JavaScript)

### REST Service Changes

Any changes which may change how REST consumer or provider behave.

### Renamings in ErrorDo

`org.eclipse.scout.rt.rest.error.ErrorDo` used by `org.eclipse.scout.rt.rest.client.proxy.ErrorDoRestClientExceptionTransformer` and some `org.eclipse.scout.rt.rest.exception.AbstractExceptionMapper<E>` was slightly changed:

- `ErrorDo#status` → `ErrorDo#httpStatus`
- `ErrorDo#code` → `ErrorDo#errorCode`

### Different HTTP status codes

A REST service client using `ErrorDoRestClientExceptionTransformer` will now transform

- any client request error (HTTP 4xx status codes) into a `VetoException`

- **403 - Forbidden** into a `org.eclipse.scout.rt.dataobject.exception.AccessForbiddenException`
- **404 - Not Found** into a `org.eclipse.scout.rt.dataobject.exception.ResourceNotFoundException`

The `org.eclipse.scout.rt.rest.exception.VetoExceptionMapper` used by a REST service provide will now create an error response with status **400 - Bad Request** (this was formerly a **403**).



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