

Eclipse Scout Release Notes

Version 22.0

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Looking for something else? Visit <https://eclipsescout.github.io> for all Scout related documentation.

About This Release

The latest version of this release is: 22.0-SNAPSHOT.

You can see the [detailed change log](#) on GitHub.

Coming from an older Scout version? Check out the [Migration Guide](#) for instructions on how to obtain the new version and upgrade existing applications.

Demo Applications

The demo applications for this version can be found on the [features/version/22.0-SNAPSHOT](#) branch of our docs repository on GitHub.

If you just want to play around with them without looking at the source code, you can always use the deployed versions:

- <https://scout.bsi-software.com/contacts/>
- <https://scout.bsi-software.com/widgets/>
- <https://scout.bsi-software.com/jswidgets/>

Native Notification Support

It's now possible to send notifications via the [Notification API](#). The `DesktopNotification` has two new properties to control the behavior: **`nativeOnly`** and **`nativeNotificationVisibility`**.

Text Post-Processors

A new bean **org.eclipse.scout.rt.platform.nls.ITextPostProcessor** has been introduced which allows to modify all texts returned by a TextProviderService.

This allows applying application wide logic on all translated texts including the ones provided by Scout itself.

Browser Field: Support for Posting Messages

Browser fields provide a new method **postMessage(data, targetOrigin)** to send arbitrary data to the embedded web page.

To prevent malicious data from being sent to your application, the origin of the message should always be validated in the callback handler (**execPostMessage** in Java, **message** event listener in Scout JS). Scout will now do this check automatically for you if you configure the valid origins in the new property **trustedMessageOrigins**.

Icon Support for Notifications

Notifications in GroupBoxes (`IGroupBox.setNotification()`) and desktop notifications (`IDesktop.addNotification`) now also support icons.

REST LookupCall support for hierarchical data

Scout lookup calls may return hierarchically linked rows (parent-child relation). The support for hierarchical lookup rows using REST lookup calls (e.g. the `parentId` attribute definition) was moved from `AbstractLookupRowDo` to the new class `AbstractHierarchicalLookupRowDo`.

In order to support hierarchical lookups using REST, change your lookup row implementation and extend the new base class `AbstractHierarchicalLookupRowDo`.

Listing 1. Example

```
@TypeName("ExampleLookupRow")
public class ExampleLookupRowDo extends AbstractHierarchicalLookupRowDo<MyLookupRowDo,
ExampleId> {

    @Override
    public DoValue<ExampleId> id() {
        return createIdAttribute(this);
    }

    @Override
    public DoValue<ExampleId> parentId() {
        return createParentIdAttribute(this);
    }

    // ...
}
```



Do you want to improve this document? Have a look at the [sources](#) on GitHub.