

Migrating to the Eclipse Layout Kernel

The [Eclipse Layout Kernel \(ELK\)](#) is the official Eclipse project our layout technology will move to. As part of the move, expect changes in these areas:

- Plugin names
- Extension point names
- Package names
- Plugin structure
- KGraph meta model

To make migration easier for everyone, this page is intended to track all changes.

- The classes formerly provided by `de.cau.cs.kieler.core` are now to be found in `org.eclipse.elk.core`, with the following exceptions:
 - The `...properties` package was moved to the `.graph` plugin.
 - `ForwardingInputStream` was moved to the `...graphviz.layouter` plugin.
 - `ForkedOutputStream` was moved to the `...graphviz.layouter` plugin.
- All pre-defined layout types now have the ID `org.eclipse.elk.type.XXX`
- All pre-defined diagram types now have the ID `org.eclipse.elk.diagram.XXX`
- All pre-defined layout options now have the ID `org.eclipse.elk.XXX` (except for options defined by specific layout algorithms, which have the ID `org.eclipse.elk.ALGORITHM.XXX`)
 - `de.cau.cs.kieler.klay.layered.portAnchor` is now `org.eclipse.elk.portAnchor` instead of `org.eclipse.elk.layered.portAnchor`
- All pre-defined layout algorithms now have the ID `org.eclipse.elk.algorithm.XXX`

- `IKielerProgressMonitor` -> `IElkProgressMonitor`
- `ILayoutConfig` -> `LayoutConfigurator`
- `IVolatileLayoutConfig`
 - use `LayoutConfigurator`
 - to set global options

```
IVolatileLayoutConfig#setValue(prop, value)
-->
LayoutConfigurator#configure(KGraphElement.class).setProperty(prop, value)
```

- `IDiagramLayoutManager` -> `IDiagramLayoutConnector`
- `LayoutManagerService` -> `LayoutConnectorsService`
- `LayoutListeners`:

```
DiagramLayoutEngine.INSTANCE.addLayoutTerminatedListener(new DiagramLayoutEngine.
ILayoutTerminatedListener() {
-->
LayoutConnectorsService.getInstance().addLayoutListener(new ILayoutListener() {
```

- `KimlUtil.loadDataElements(...)` -> `GraphDataUtil.loadDataElements(...)`

Perhaps of lesser interest:

- We now depend on Google Guava 15 instead of 10.

LayoutOptions

For the moment, see [this](#) confluence question.