

# Creating shape elements

To create a [com.nomagic.magicdraw.uml.symbols.shapes.ShapeElement](#) for given *ModelElement* in the given [com.nomagic.magicdraw.uml.symbols.DiagramPresentationElement](#), use method *com.nomagic.magicdraw.openapi.uml.PresentationElementsManager#createShapeElement(...)*. The location of the created shape will be (0,0).

The following code example shows how to do this:

```
com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Class clazz = ...;
DiagramPresentationElement diagram = ...;
SessionManager.getInstance().createSession("Test");
ShapeElement shape = PresentationElementsManager.getInstance().
createShapeElement(clazz, diagram);
SessionManager.getInstance().closeSession();
```



You can find the code examples in

- `<installation_directory>\openapi\examples\symbolcreation`
- `<installation_directory>\openapi\examples\sequencecreation`

## Related pages

- [Session management](#)