

# Conventions for Nuclos API development

🌐 Language: [Deutsch](#) · [English](#)

## 📖 Conventions for Nuclos API development

Conventions for the Nuclos API – naming of methods/ids and rules for error handling.

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- [Related pages](#)

Binding conventions for developing with the Nuclos API – for consistent, maintainable code.

### Naming

| Rule                         | Example                                                          |
|------------------------------|------------------------------------------------------------------|
| Collections: suffix ...All() | insert(BusinessObject) vs. insertAll(Collection<BusinessObject>) |
| Delete: delete               | not remove, drop ...                                             |
| Insert: insert               | not new, create ...                                              |
| Update: update               | not modify ...                                                   |
| Ids: Id instead of ID        | getId(), returning methods end in ...Id()                        |
| Id data type                 | always Long or UID                                               |

### Error handling

- **Never** swallow exceptions silently – write at least a warning to the log.
- **Do not** throw a RuntimeException (e.g. CommonFatalException) on the dispatch thread – it crashes/freezes the GUI.
- Avoid catching generic Exception/RuntimeException; if necessary, keep it minimal.
- Avoid long method chains – they are hard to debug and produce unhelpful stack traces.



#### Examples

Examples of clean style: [Code Style](#) and [bad right](#).

### Related pages



#### Code Style

Style.

[Open](#)



#### Tools

UIDGenerator.

[Open](#)

