

Connection

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💡 Connection

Connect external systems via Nuclos interfaces – interface vs. connection, communication rules and telephony contexts.

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APPLIES TO NUCLOS 4.2026.X

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Menu *Administration* *Connection*. With **connections** you integrate a Nuclos server more deeply into its system landscape via so-called **Nuclos interfaces** – e.g. phone systems, SMS services or any system reachable via Java (including RESTful services).

Interface vs. connection

- An **interface** is a server extension (in Java, as a JAR) that runs permanently and, e.g., receives events from a phone system – comparable to a hardware driver. It is normally based only on the Nuclos API (backward compatibility).
- A **connection** is the concrete use of an interface with its parameters (host, port, user ...). An interface can be configured as a connection any number of times; additionally Nuclos users can be linked to connection accounts.

Integration via rule

An interface's events are integrated into the business logic via a **communication rule** (in the rule manager). Contexts:

- `PhoneCallNotificationContext` / `PhoneCallRequestContext` – for telephony. With the request context a user can dial a number directly from Nuclos (attribute type `PhoneNumber`, stored account – then the *dial number* button appears).
- `GenericNotificationContext` – universal, works with a key-value map.

Developing interfaces

The API knows two types: **PhoneCall** (phone systems) and **GenericNotification** (special cases). If an interface implements `PhoneCall`, it can be swapped when changing systems without touching the business logic. The freely usable [com-interface-template](#) serves as a template; specifying the Java package in `comport-template-server-beans.xml` is important.

Related pages

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Web services.

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