

Service Event Broadcasting

Let's define a **module**, or **service**, as a sub-system that provides a **resource** to a **project**.
The two terms will be referenced interchangeably throughout this paper.

In other words, a project can create an *instance* within the service.

For example, the publication repository **module** can create an instance of the repository **resource**.

A **module** broadcasts events for the *lifecycle hooks* and *state changes* of its resources in a normalized format.

These events are sent over a **topic exchange** with the routing key - **<service>.<instance>.<event>**

EXAMPLES

- + Subscribe to all *pub-repo* events: **pub-repo.*.***
- + Subscribe to a single repository's events: **pub-repo.i8f67.***
 - + Subscribe to only *added* events across all *pub-repo* instances: **pub-repo.*.added**

