



LionWeb



Feel Locked In?

Ever wanted to ...

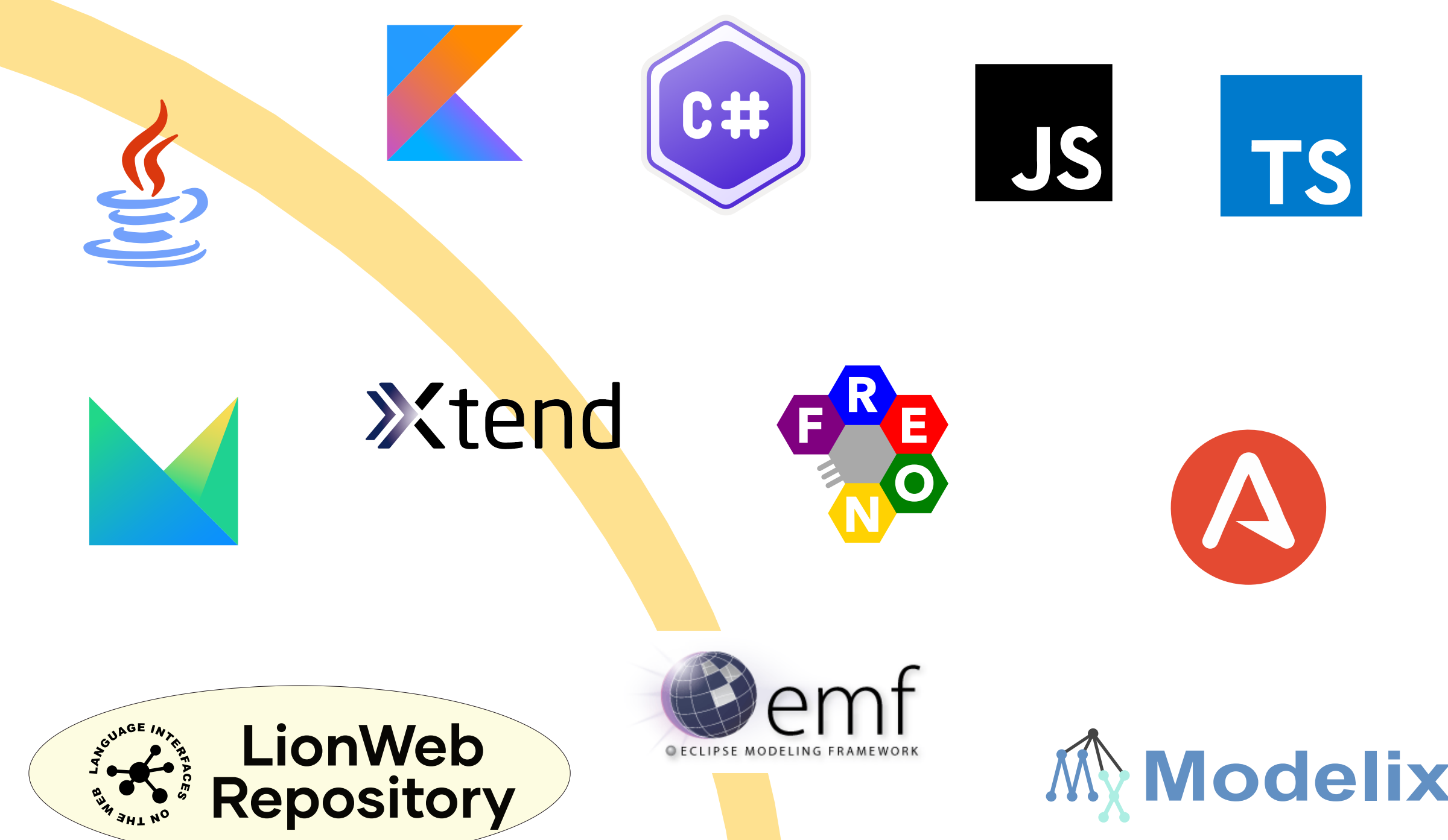
- Use Statix for typechecking with EMF?
- Use Freon to edit MPS models?
- Access EMF models from MPS?
- Store your models in a database instead of files?
- Etc. ...

Integrating tools is practically impossible (except with extreme effort).

Modeling and Language Engineering tools are **standalone** islands that **lock you into** their eco-system.

Open Up!

LionWeb offers multiple integrations up and running today.



LionWeb Interfaces

LionWeb defines:

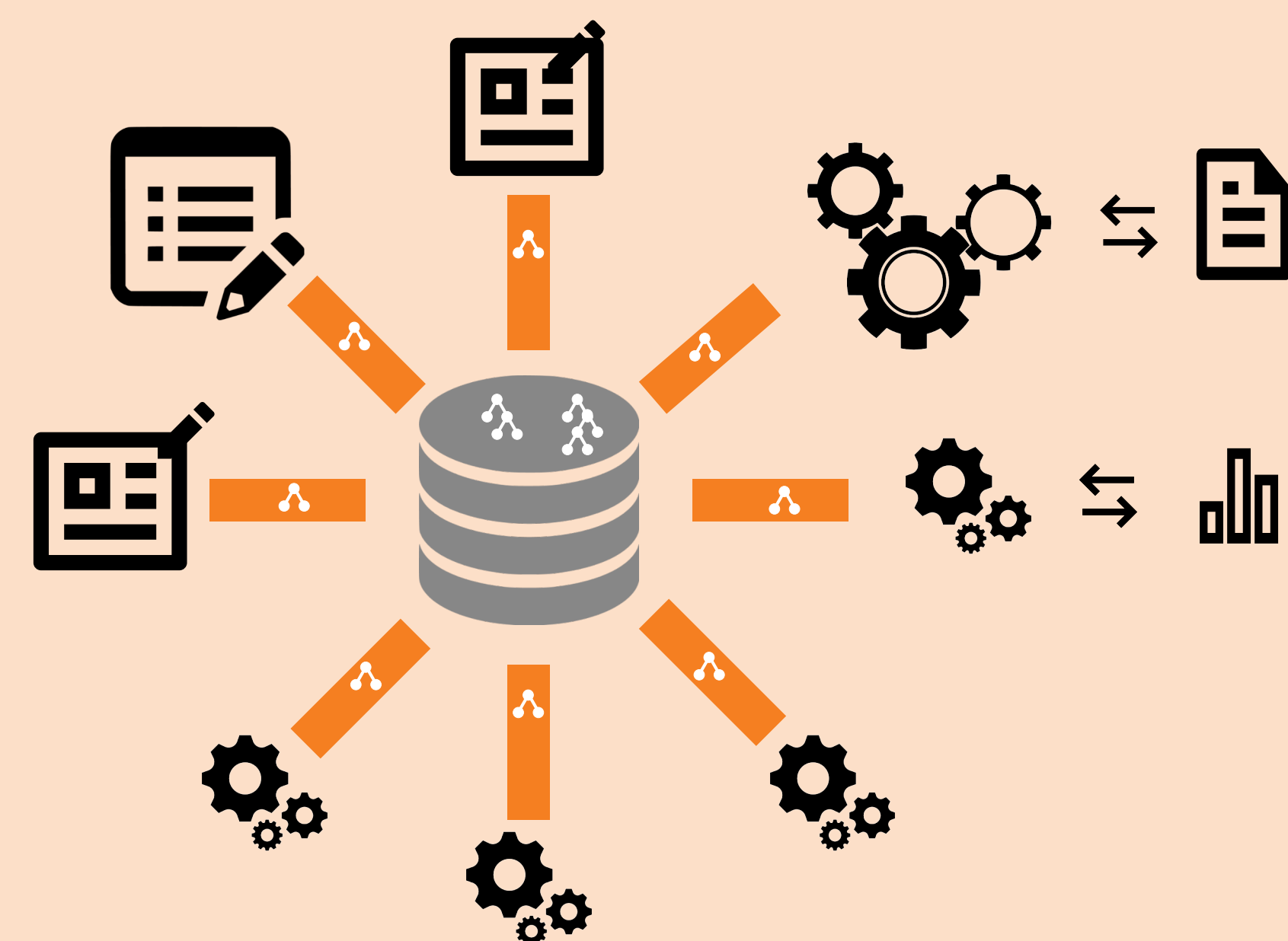
- A meta meta model
 - Compatible with EMF, MPS, Freon, etc.
- A serialization format
 - JSON based
- A communication protocol
 - Bulk and delta protocols

And we **develop implementations and integrations** to make sure it works in practice

- Language bindings
- Tool Connections
- Reference implementations
- Utilities, like e.g. validations and diff

LionWeb Architecture

LionWeb is focussed on the connection protocols (—) and what goes over (⚙️) the connection.



Connect Your Tool ...

Connect with other modeling and language engineering eco-systems.

Just extend your tool with:

- Serialization to/ Deserialization from LionWeb Serialization format
- Storing/retrieving using LionWeb communication protocols

... to the World

Mix and match components between all technology stacks.

Only focus on **your own exciting new ideas** and get the boring stuff from others for free

Have your wonderful components used by everyone



LionWeb team

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