

Open Source
MANO

OSM CODE SEEDS, RELEASE ZERO AND BEYOND

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Some definitions

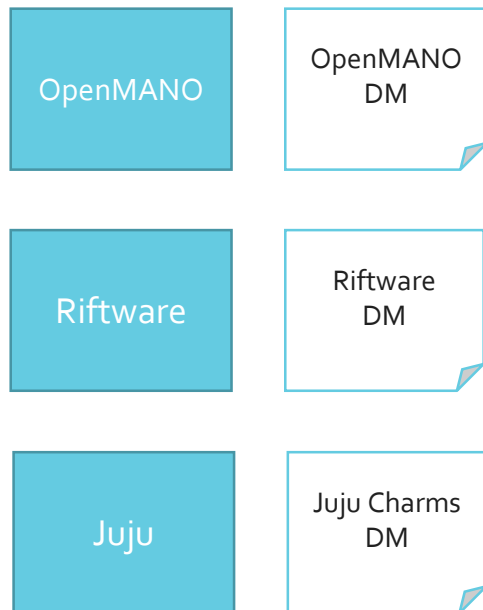
- **Seed code:** Code contributed initially to the repository.
- **Release 0:** Initial release based on the code seeds, with dependencies of external libraries properly removed
 - Ready for creating a proper development environment, with a single entry point for the IM, etc.
 - Expected to be launched ~1 month after the kick-off meeting.
- **Release 1:** First release discussed with the community. It will be built taking release 0 as starting point.



Initial code vs Release 0

Initial code

Independent codes, with independent data models, and dependence issues



Release 0

Independent modules with integrated VNF and NS data models, with no dependences, and with a single entry point for end users

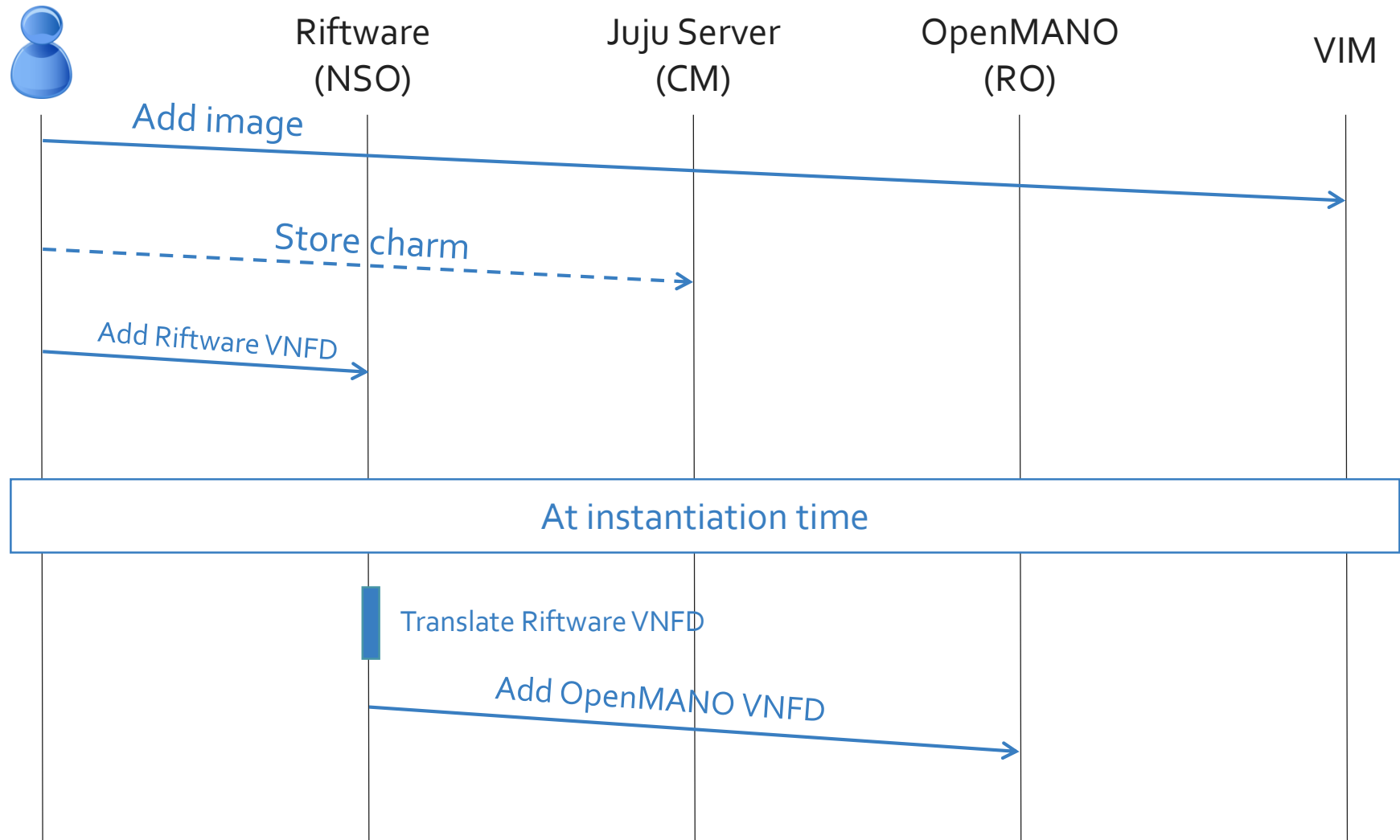
- 1. Ready to be used by end users**
 - ➔ Well documented installation process
 - ➔ Clean installation from a single point
- 2. Ready to be used by VNF developers**
 - ➔ VNF packaging appropriately documented
- 3. Integrated with OSM development cycle (git+gerrit+jenkins)**
 - ➔ Simple Jenkins tests defined

Release 0 design guidelines

- Single entry point for VNF and NS packages
- VNF and NS descriptors easy to read
- Documented installation process
- Clean installation without dependences
- Integrated with OSM development cycle (git+gerrit+jenkins)

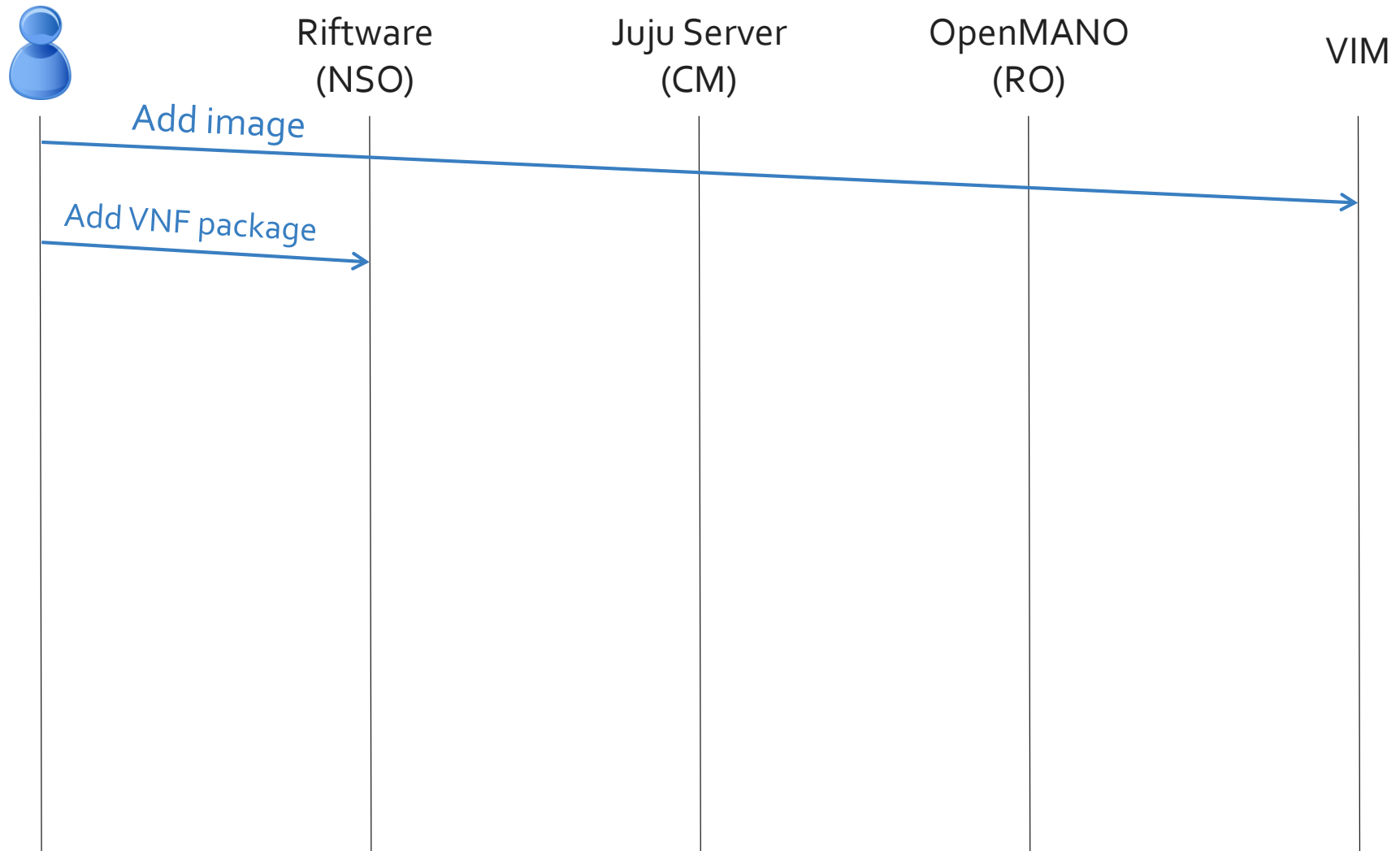
INITIAL CODE (MWC)

VNF addition is not done in a single step

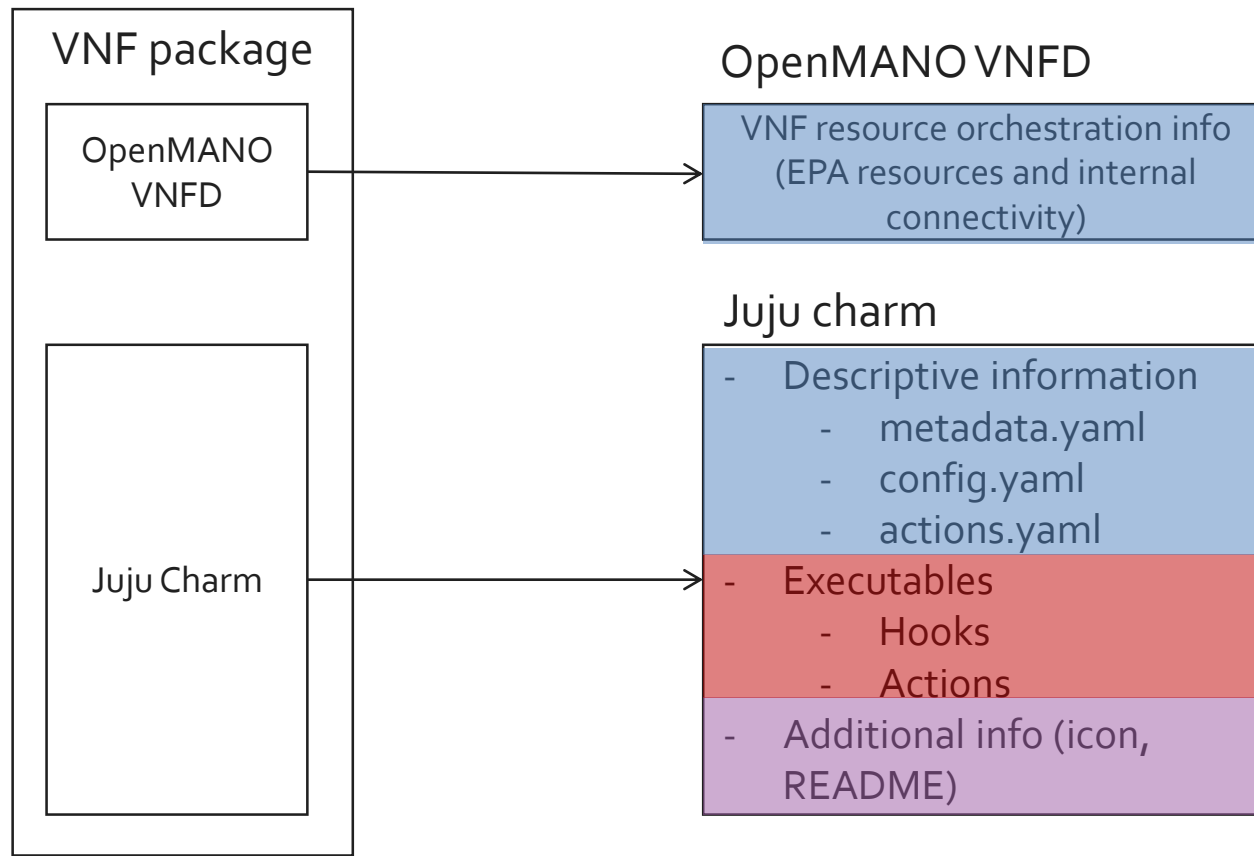


RELEASE 0

VNF addition in a single step

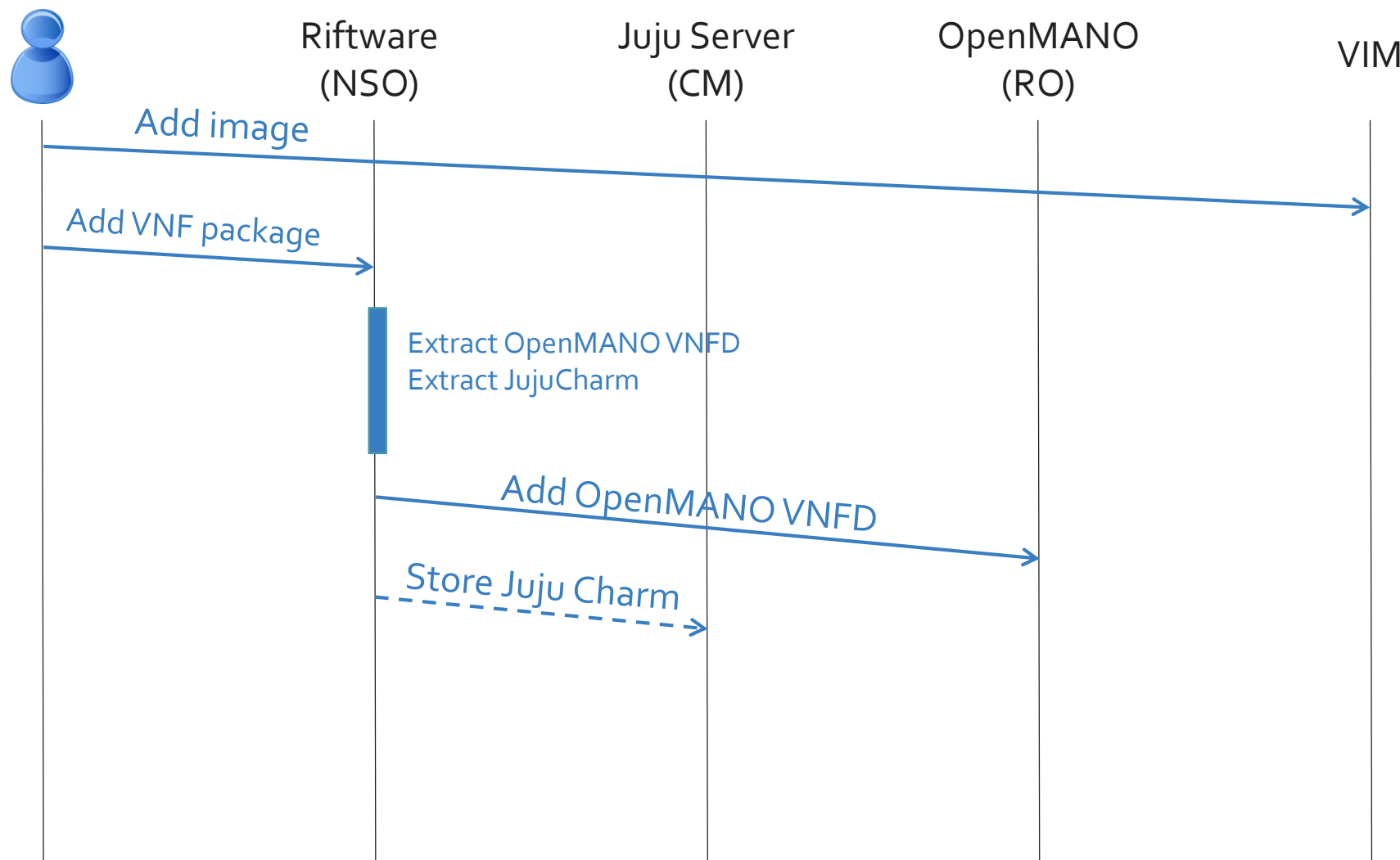


Single entry point requires appropriate packaging



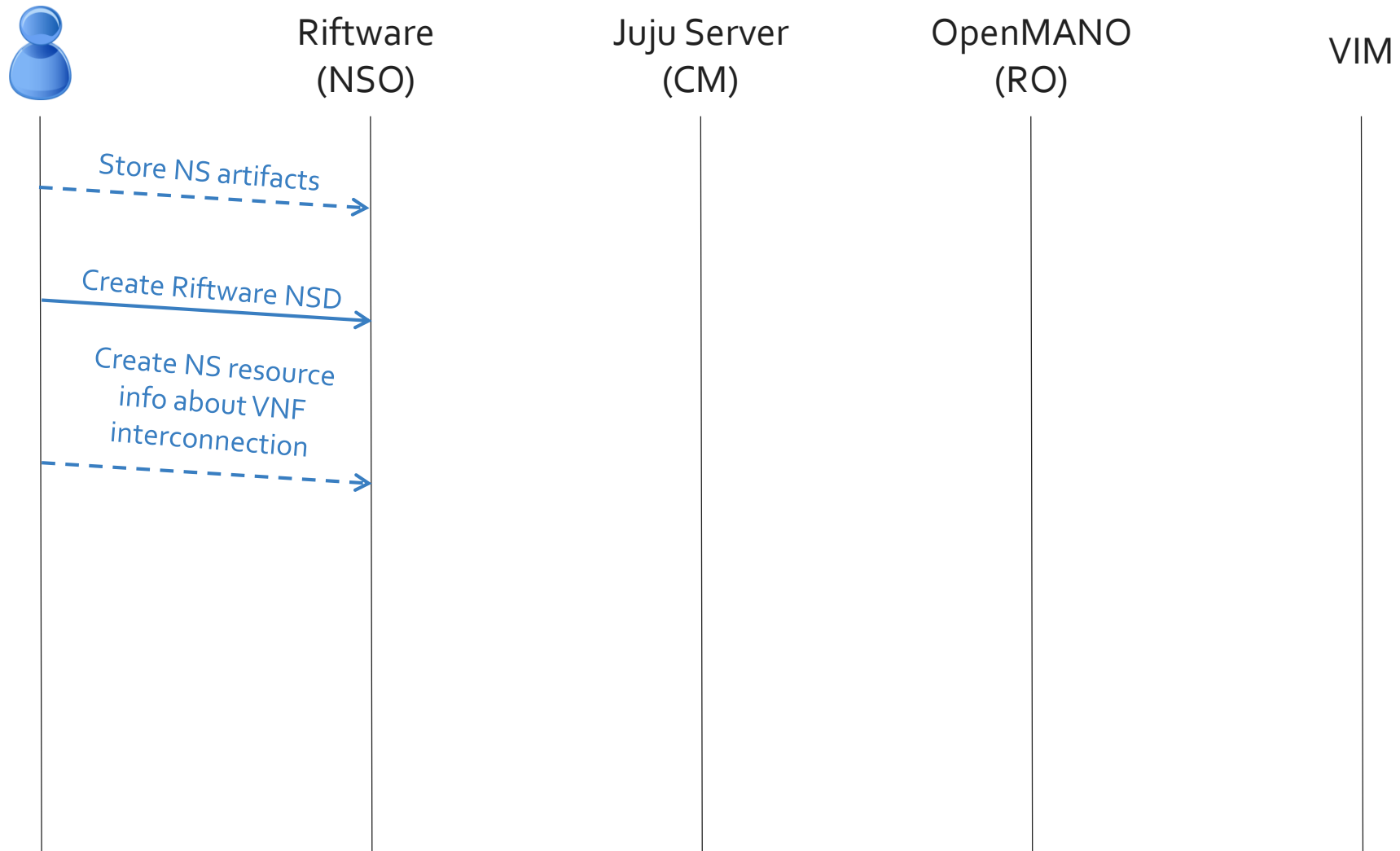
RELEASE 0

VNF addition in a single step



INITIAL CODE (MWC)

NS addition is not done in a single step



RELEASE 0

NS addition in a single step



Riftware
(NSO)

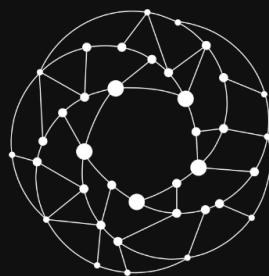
Juju Server
(CM)

OpenMANO
(RO)

VIM

Add NS package





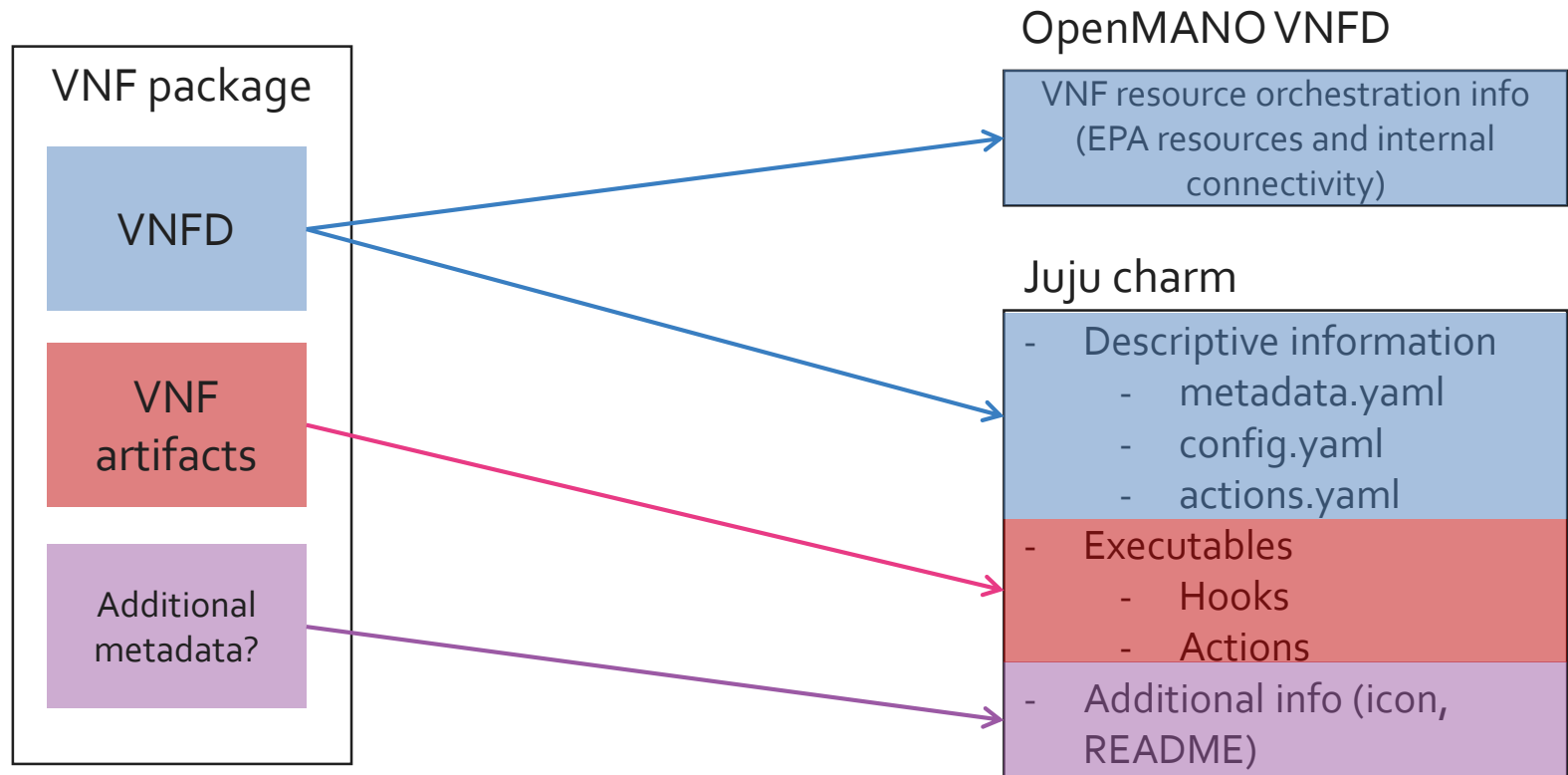
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RELEASE 1 AND BEYOND

- OSM DM
 - Move from Release 0 DM to agnostic DM
- OSM pluggable components
 - From OpenMANO, Juju and Riftware to RO, CM and NSO

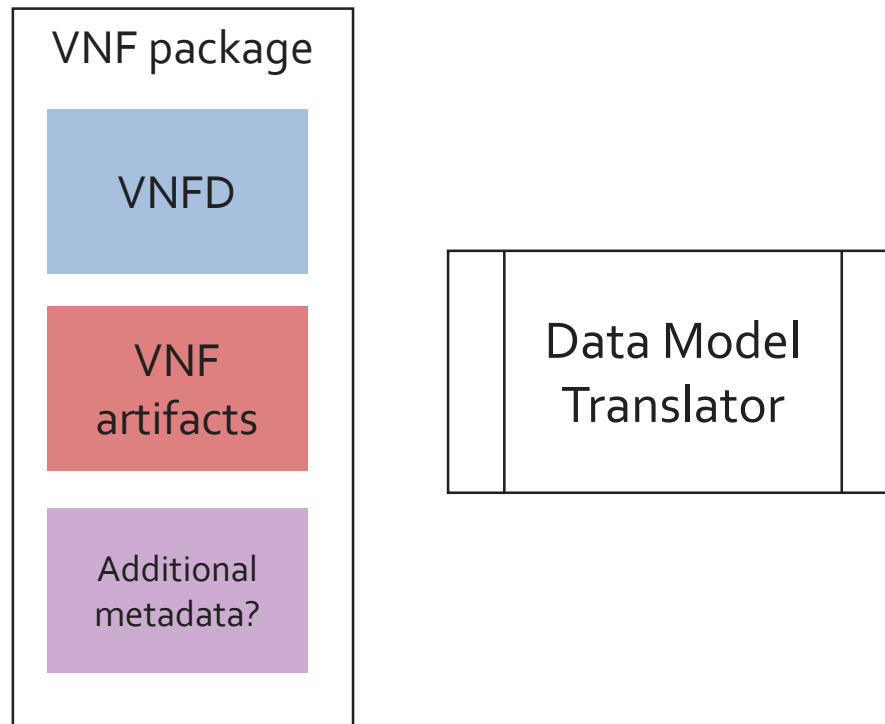
Release 1

Agnostic data model



Release 1

Agnostic data model



OpenMANO VNFD

VNF resource orchestration info
(EPA resources and internal connectivity)

Juju charm

- Descriptive information
 - metadata.yaml
 - config.yaml
 - actions.yaml
- Executables
 - Hooks
 - Actions
- Additional info (icon, README)



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