UNIVERSITÄT PADERBORN

UPB — Computer Networks Group

Management of ServiCes Across MultipLE clouds

SCrAMbLE Plug-in Demo

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Agenda

1. Introduction
2. Architecture
3. Translator, Splitter, Adaptor
4. Integration
5. Conclusion

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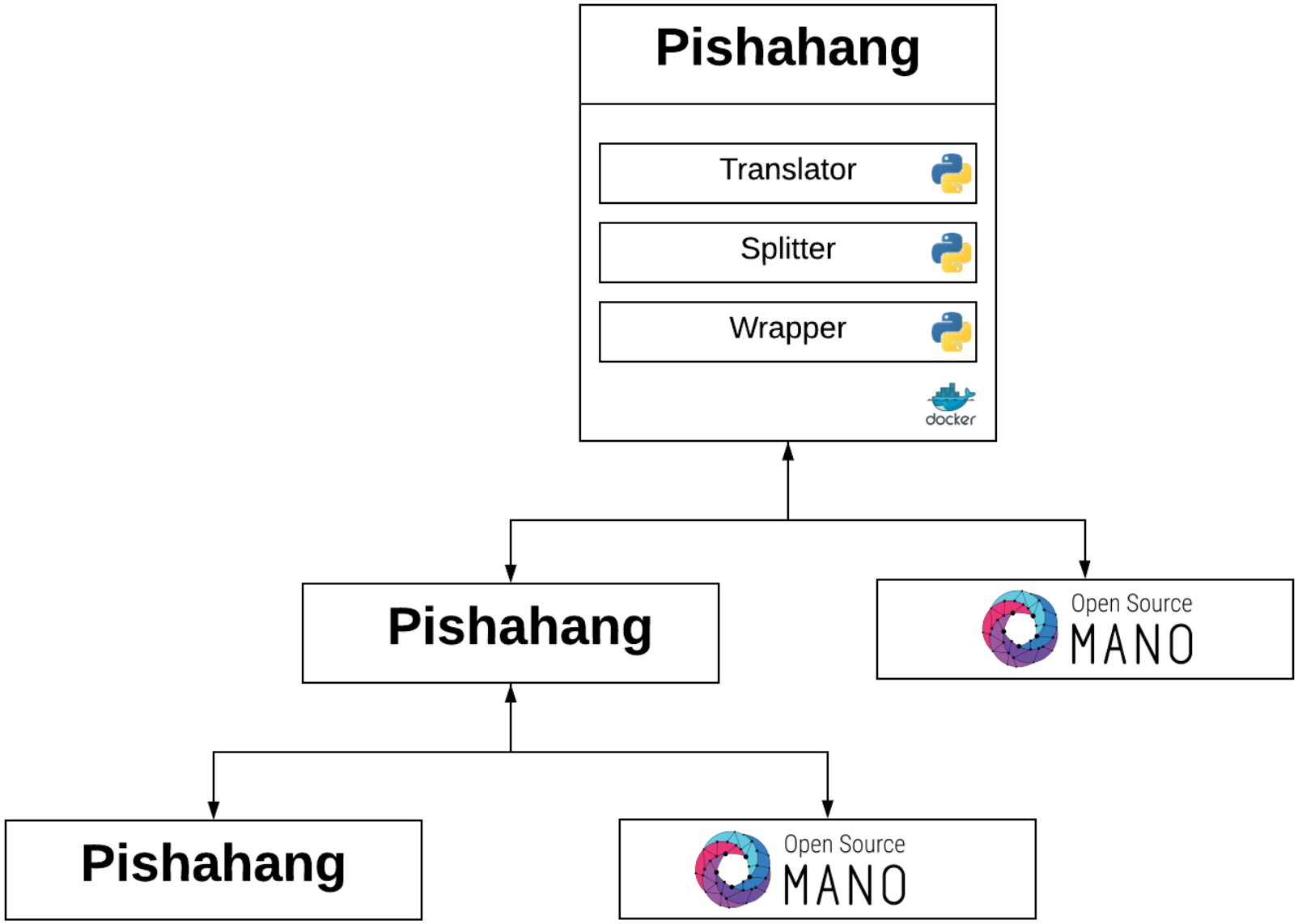
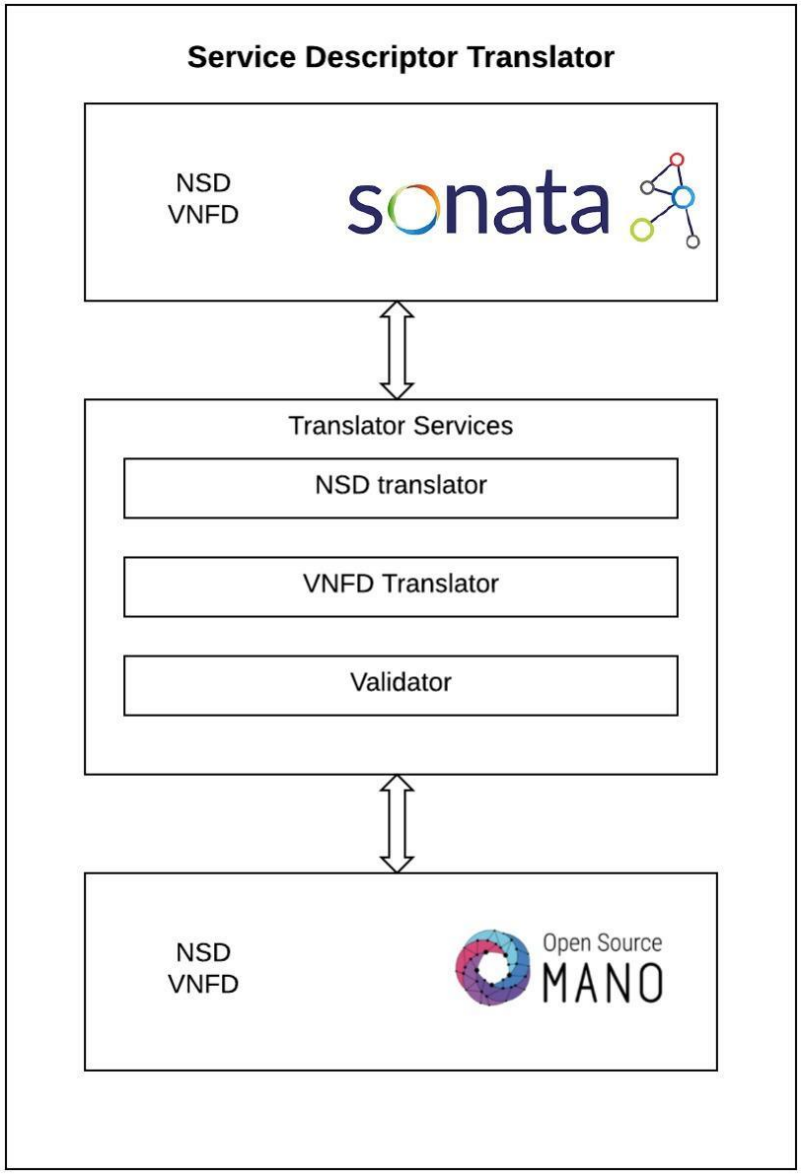
SCrAMbLE - Requirements Specification

- Translator
  - Translate NSD/VNFD between MANO frameworks
- Splitter
  - Split NSD/VNFD across MANO frameworks
- Adaptor
  - REST API wrappers for MANO frameworks

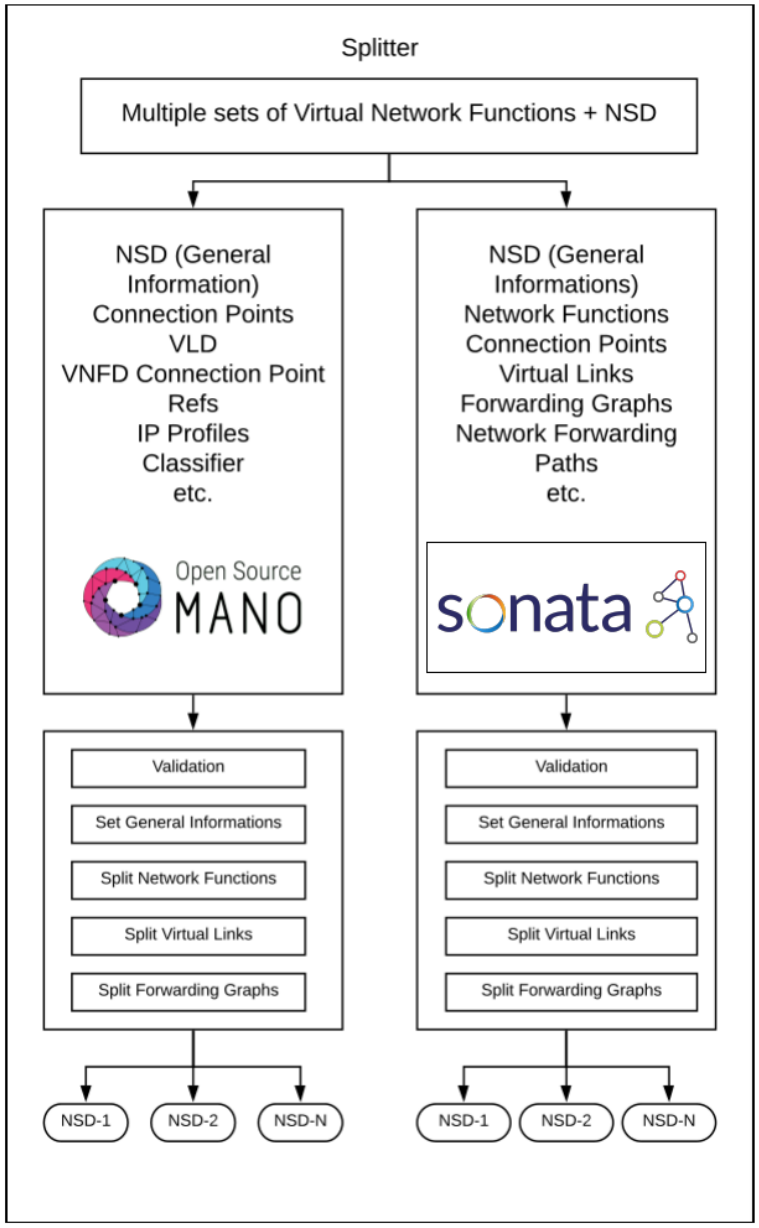
ARCHITECTURE



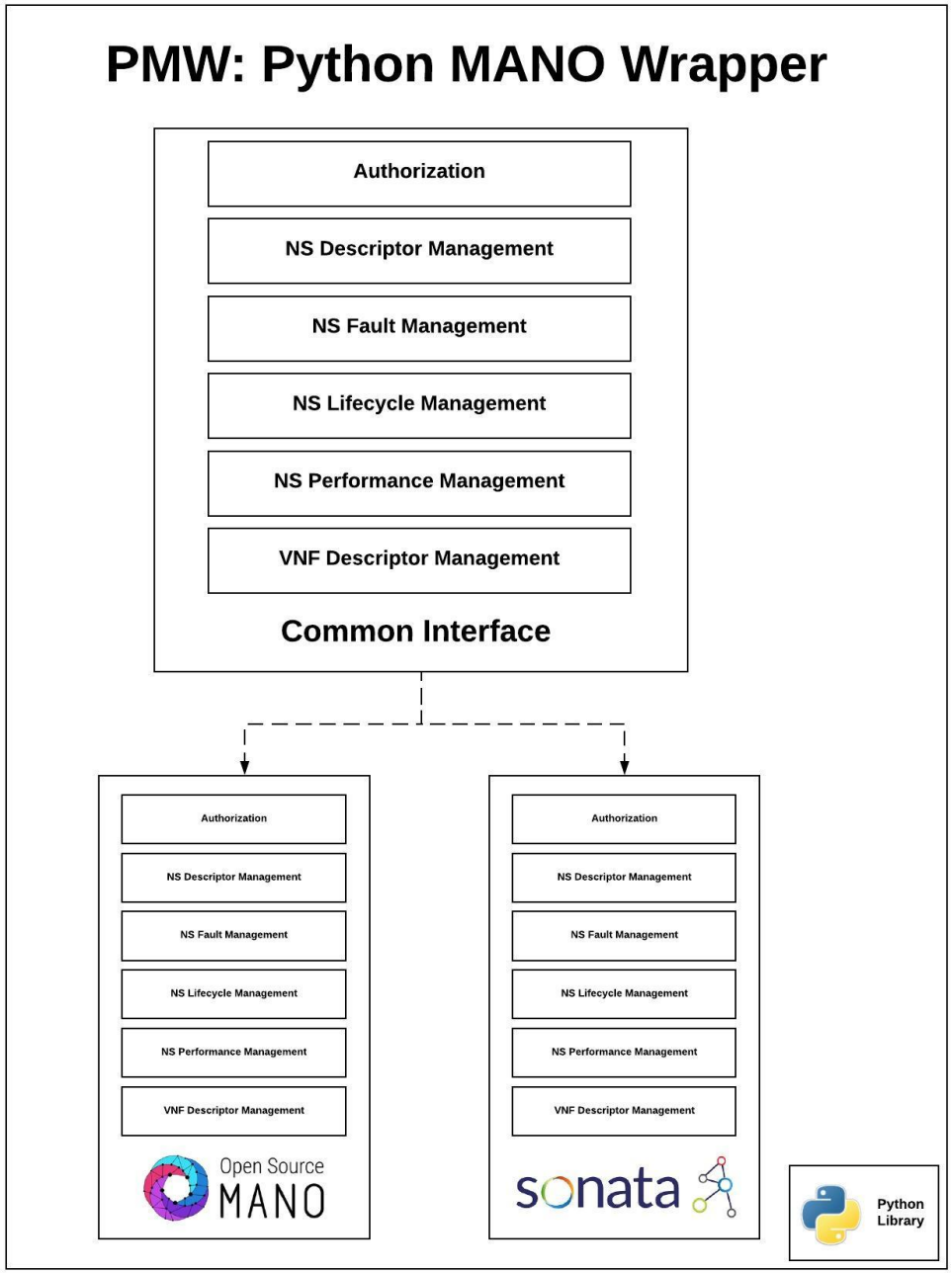
SCrAMbLE Overview



Translator Architecture

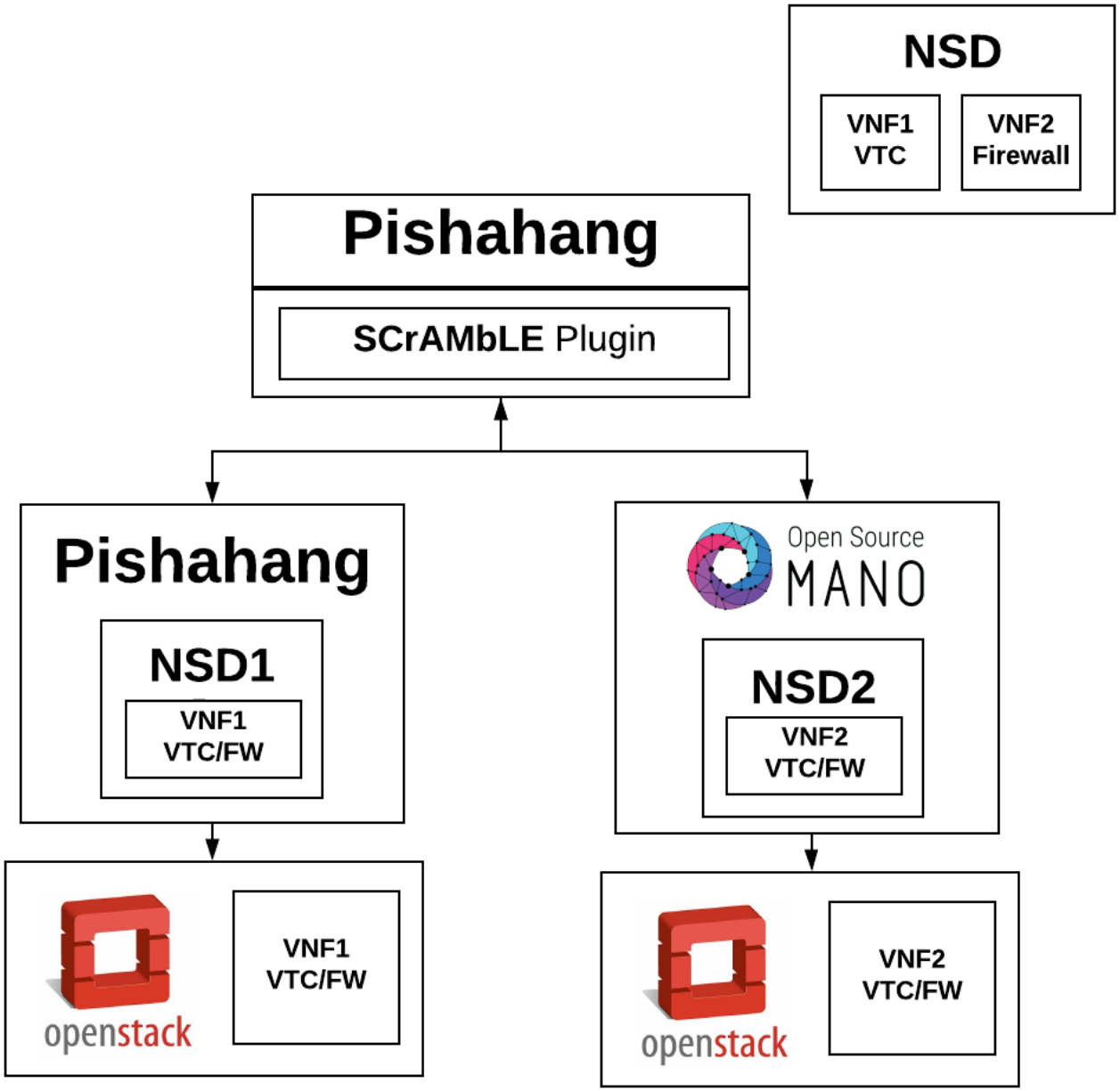


Splitter Architecture



Adaptor Architecture

INTEGRATION



Demo Scenario

DEMO —>

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Next up

- Feature complete SCrAMbLE plugin
  - GUI
  - Function chaining
  - Two-way communication
- MANO scalability investigation
- Final documentation