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Tacker-based monitoring technique for providing service high availability of VNF

Background

- Tacker is an Openstack project building a generic VNF Manager and **NFV Orchestrator to deploy Network Services and VNF**
- Tacker is based on **ETSI MANO architectural framework**
- However, **high availability of VNF internal state and Service** in operation can not be guaranteed.
- It works with the **Zabbix open source monitoring tool** to monitor the state of the service inside the VNF and to **recover from the failure**.

Features

- Tacker and Zabbix integration** enables high performance monitoring of VNF.
- VNF generated by Tacker based on Template can be monitored and **each specific monitoring** can be configured.
- It is possible to **automatically execute a user-defined command** for service failure.

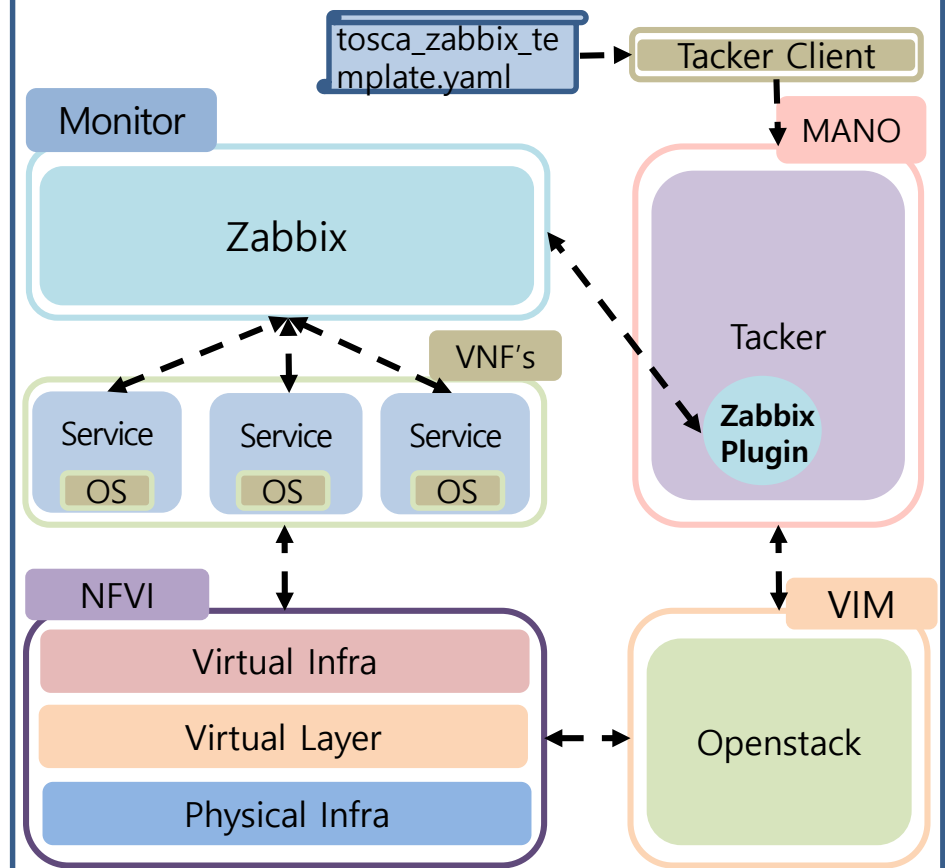
Future works

- Respawn and Scaling** according to the load are needed.
- Need the ability to **control Zabbix through Horizon**.

Acknowledgement



Architecture



Demo Scenarios

