

DECEMBER 2017



# Simplifying VNF Deployment Validation

Testing VNF interoperability across a network service chain



## VNF DEPLOYMENT VALIDATION

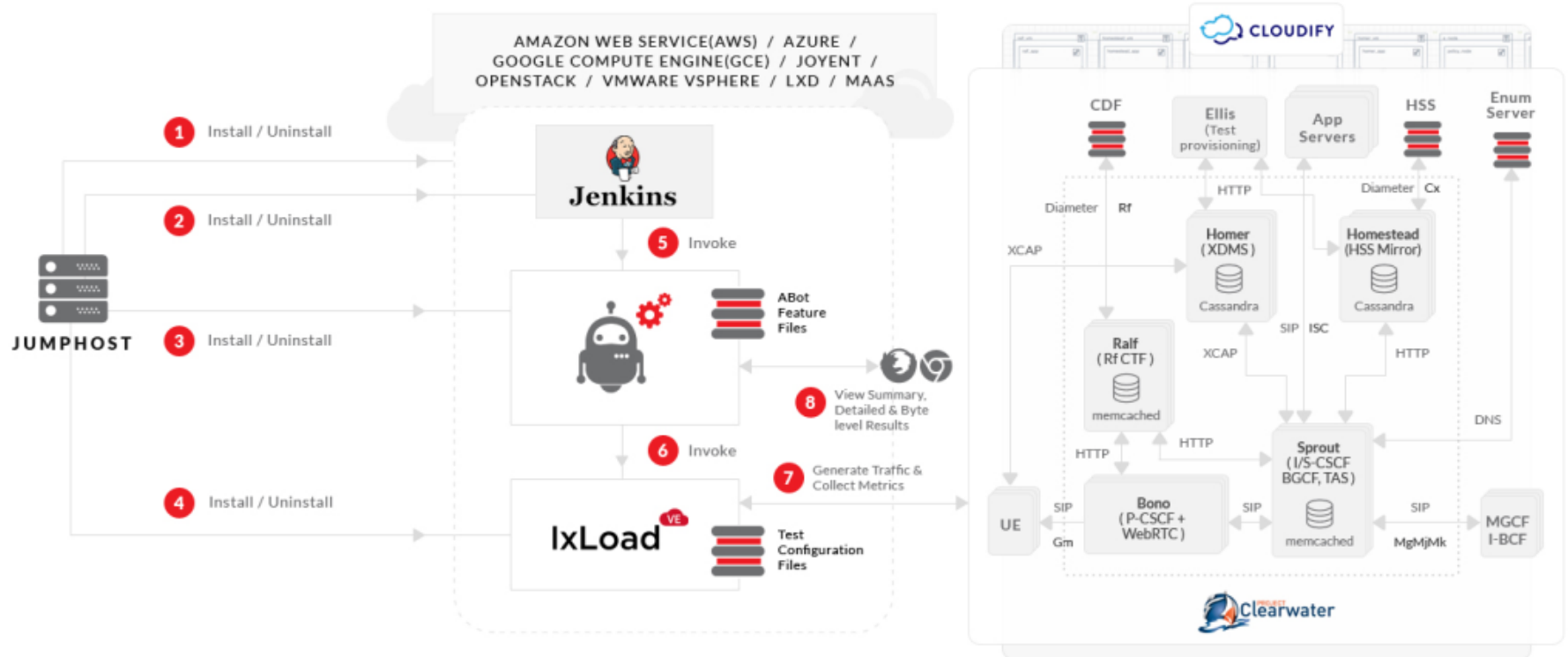
### Solution overview

- **Easy-to-use** virtual test bench for validating network services on NFV infrastructure
  - ✓ Demonstrated for VoLTE using vIMS and vEPC VNF's
- Enables **automated deployment** of test bench components
- Uses a **domain specific language** to define high-level test scenarios
- **Easily integrated** with existing Continuous Integration pipelines
- **Easily used and modified** by field deployment engineers

Testing VNF interoperability across a network service chain

## VNF DEPLOYMENT VALIDATION

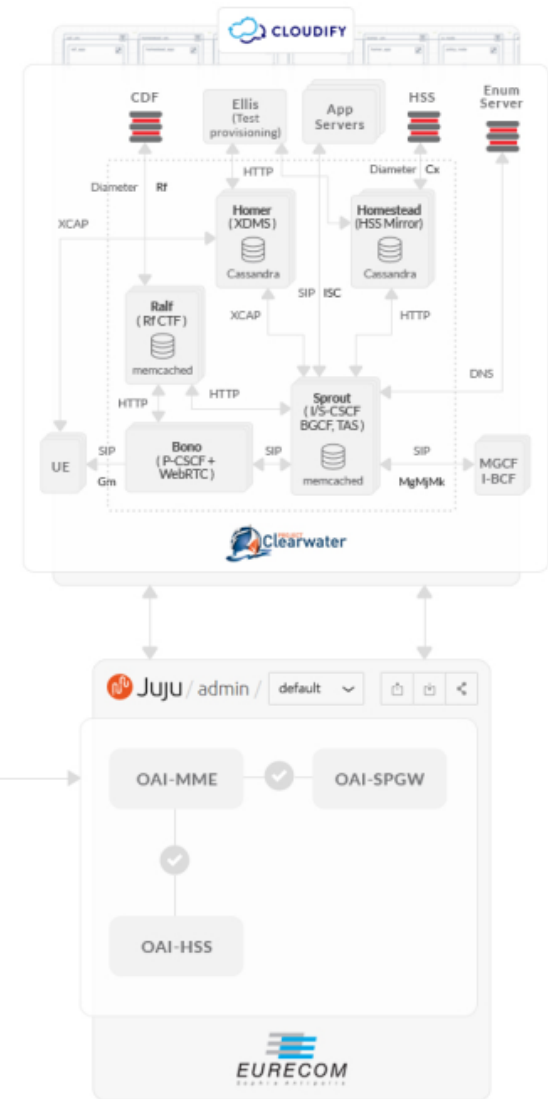
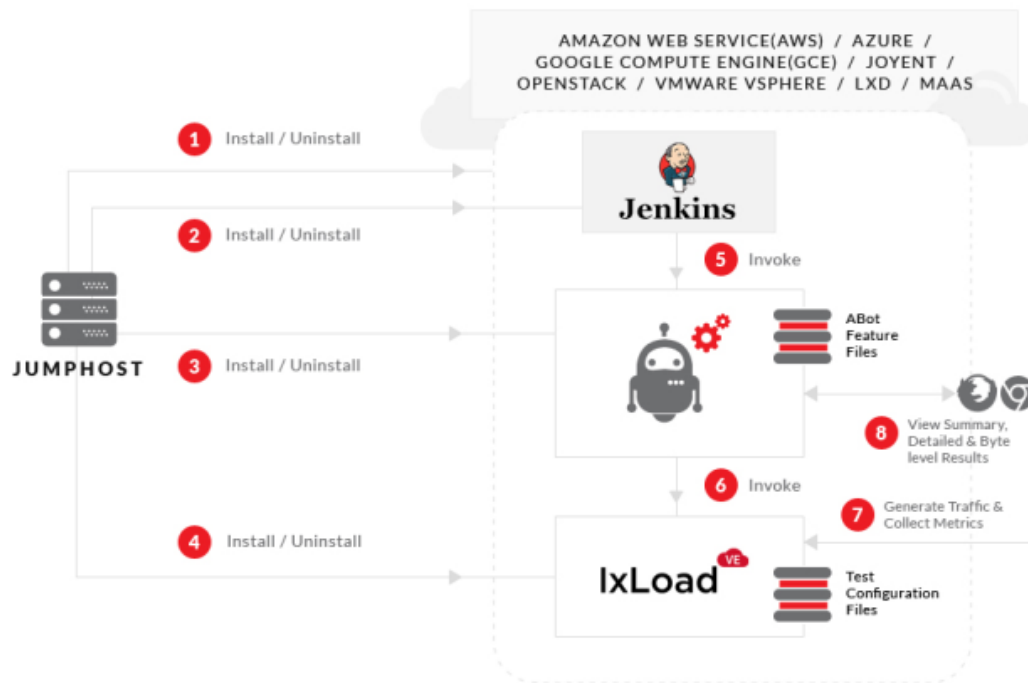
### vIMS Verification



Testing VNF interoperability across a network service chain

## VNF DEPLOYMENT VALIDATION

### VoLTE Service Validation



## VNF DEPLOYMENT VALIDATION

### Summary

This prototype demonstrates the potential for a **automated** and **flexible** solution for

- Defining test scenarios to validate VNF deployments against network service requirements
- Enabling consistent testing from lab through pre-production service rollout and production
- Easily scales to support multiple locations, VNF types and network services

**THANK YOU**