



Cloudiator for BPaaS Deployment & Provisioning

Training Material



funded by EC in H2020

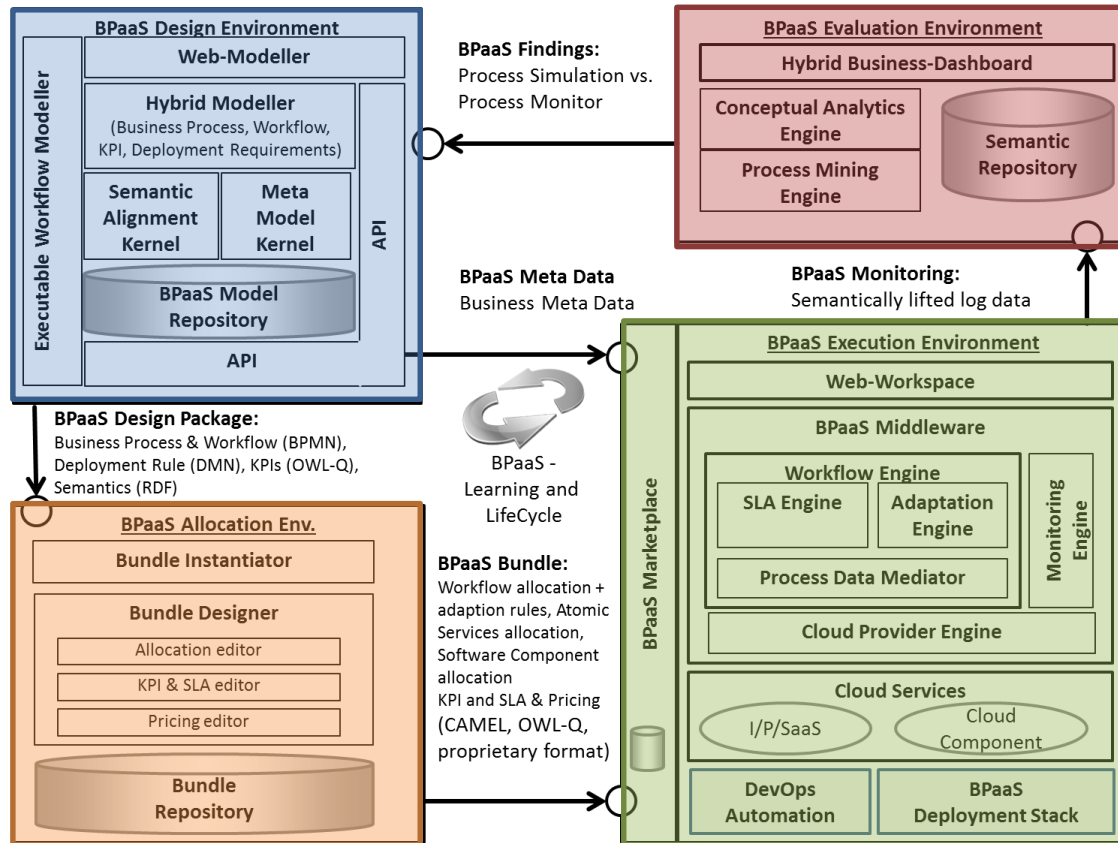
CloudSocket

Webinar Agenda

- **The CloudSocket Project**
- **BPaaS Bundle Deployment**
- **Cloudiator**
- **Summary & Outlook**

The CloudSocket Project

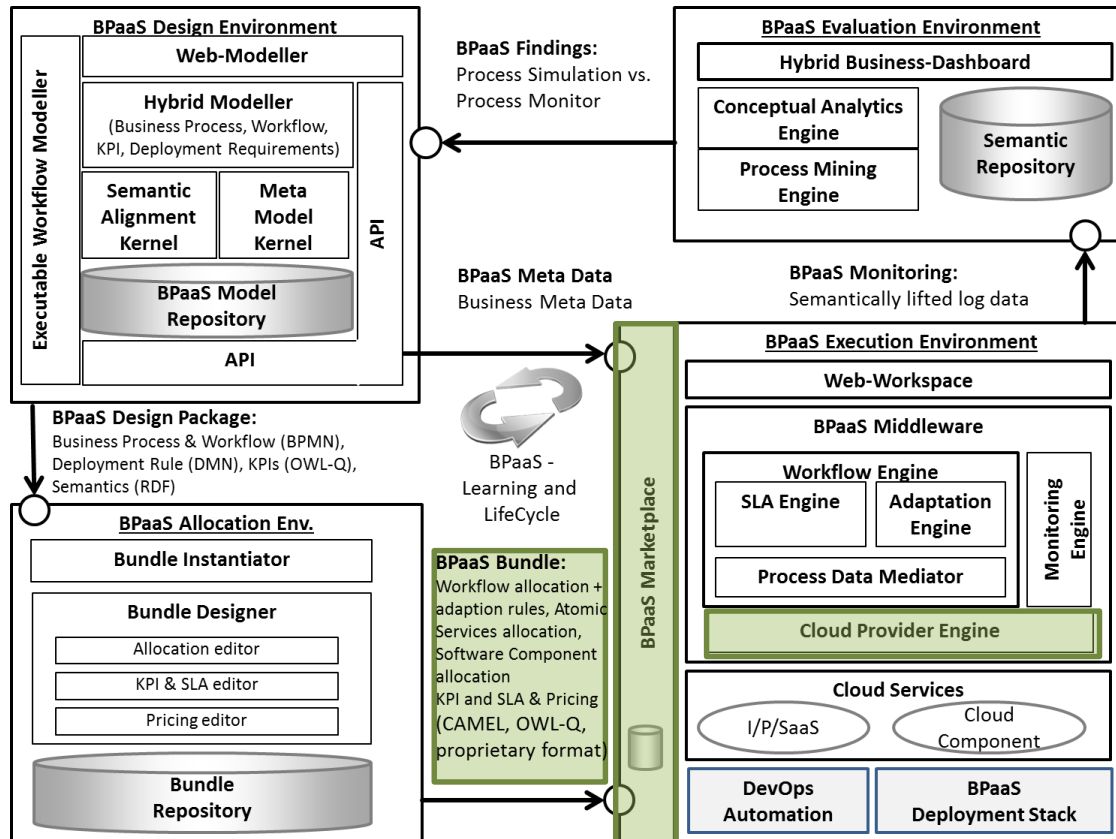
Architecture



CloudSocket

The CloudSocket Project

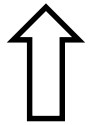
Architecture



CloudSocket

BPaaS Bundle Deployment

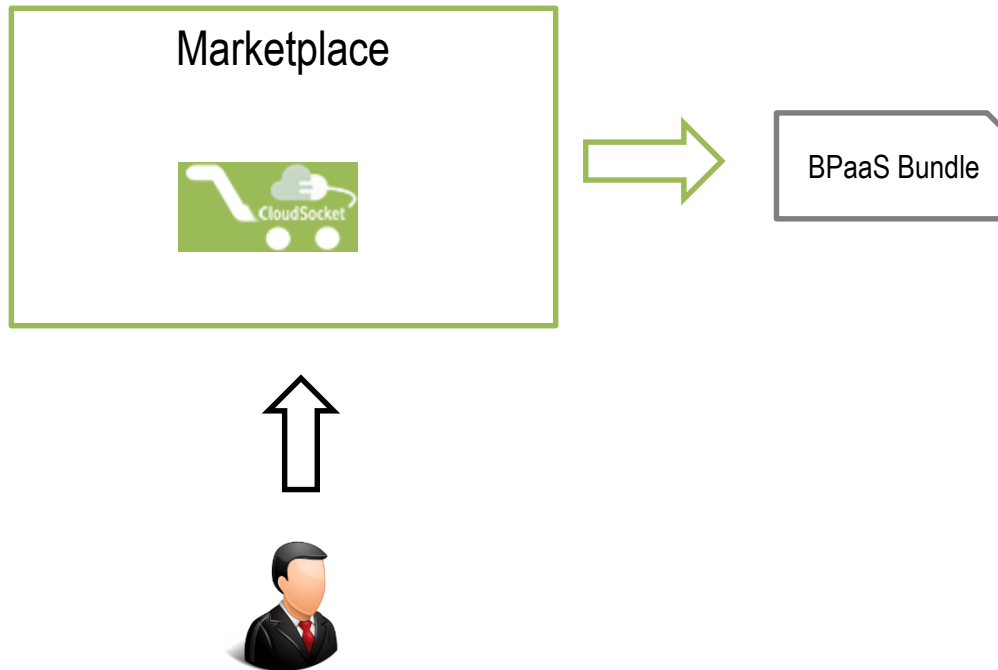
Deployment Workflow



CloudSocket

BPaaS Bundle Deployment

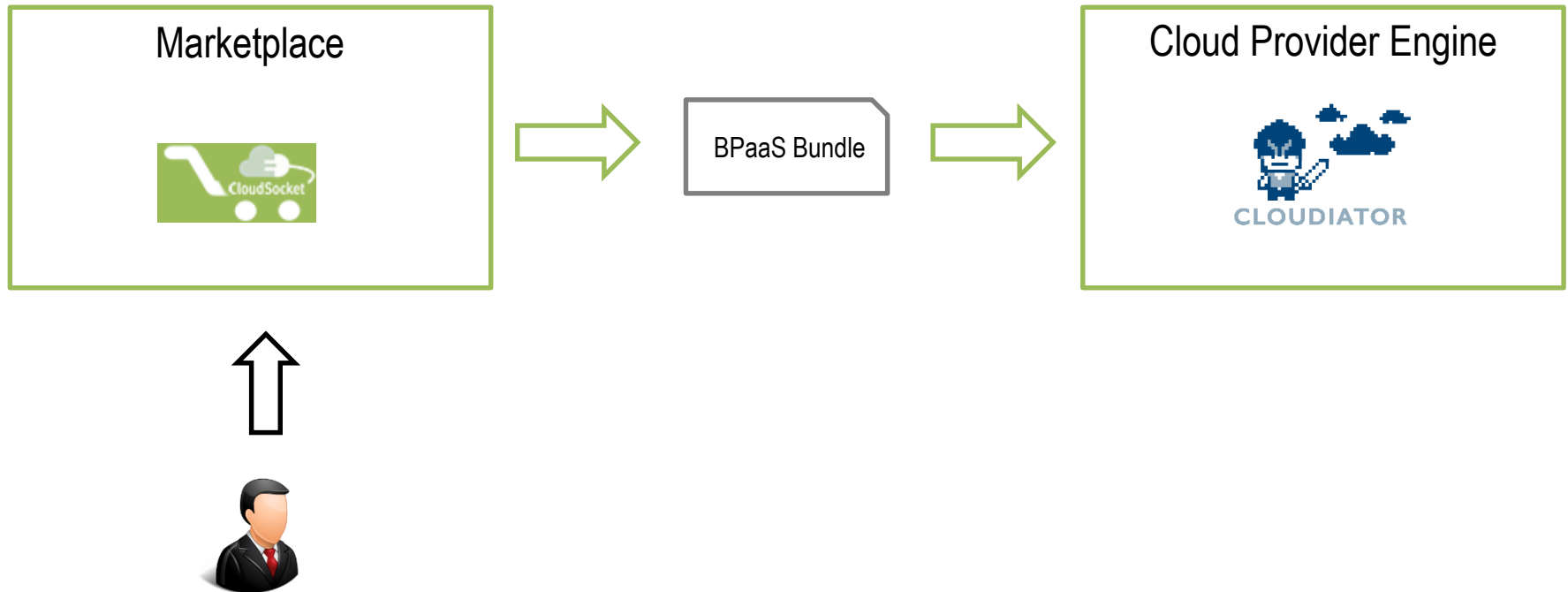
Deployment Workflow



CloudSocket

BPaaS Bundle Deployment

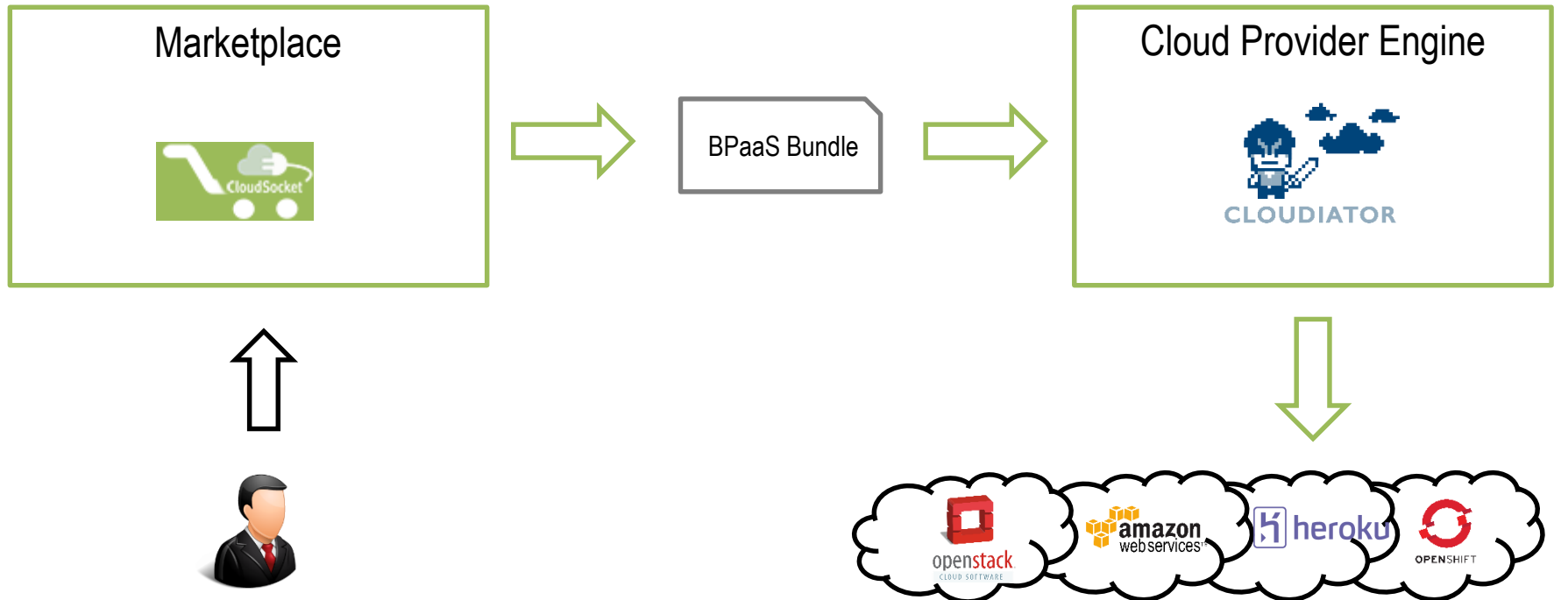
Deployment Workflow



CloudSocket

BPaaS Bundle Deployment

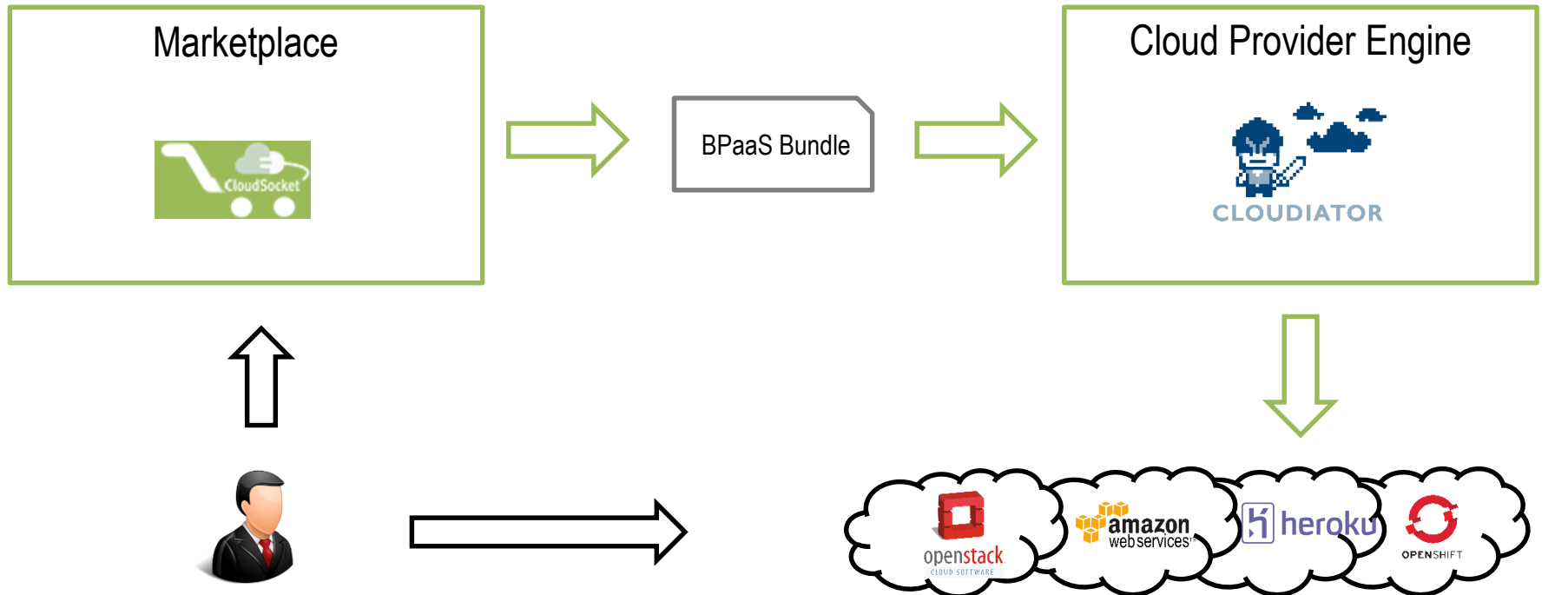
Deployment Workflow



CloudSocket

BPaaS Bundle Deployment

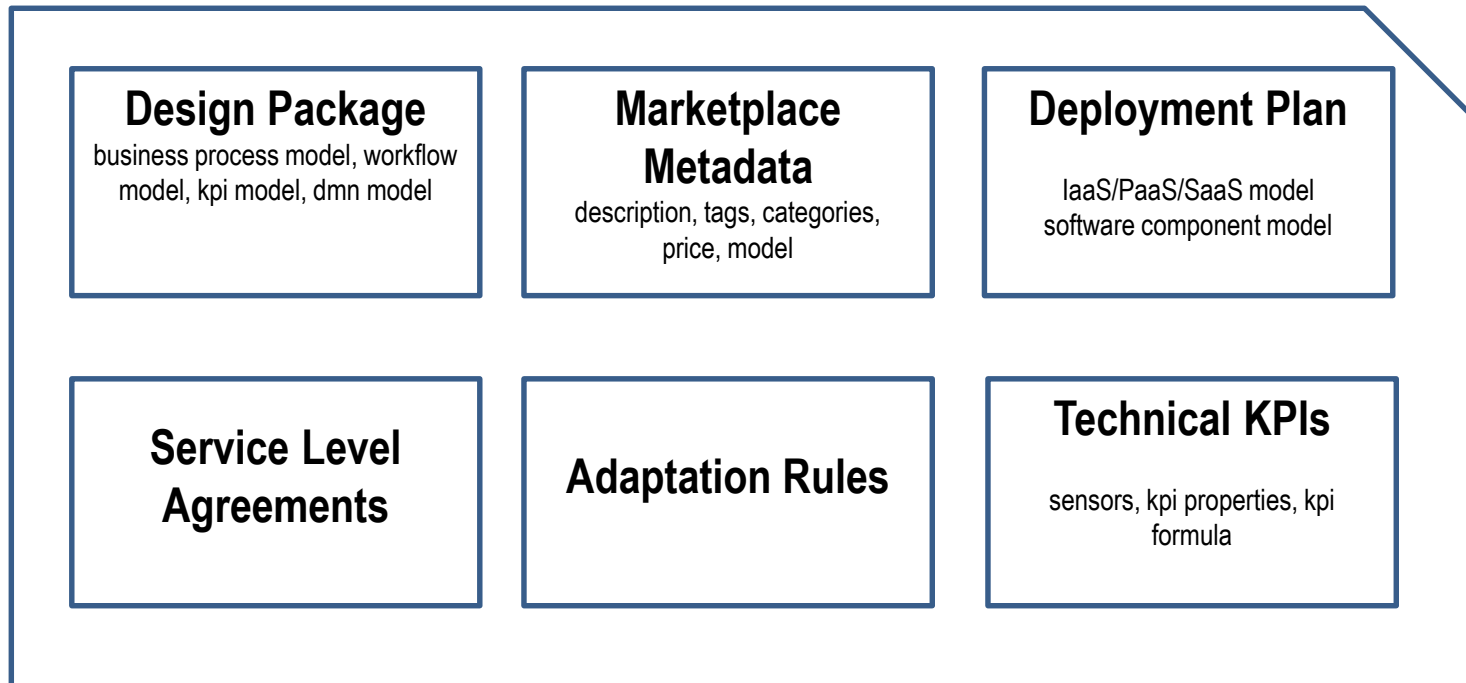
Deployment Workflow



CloudSocket

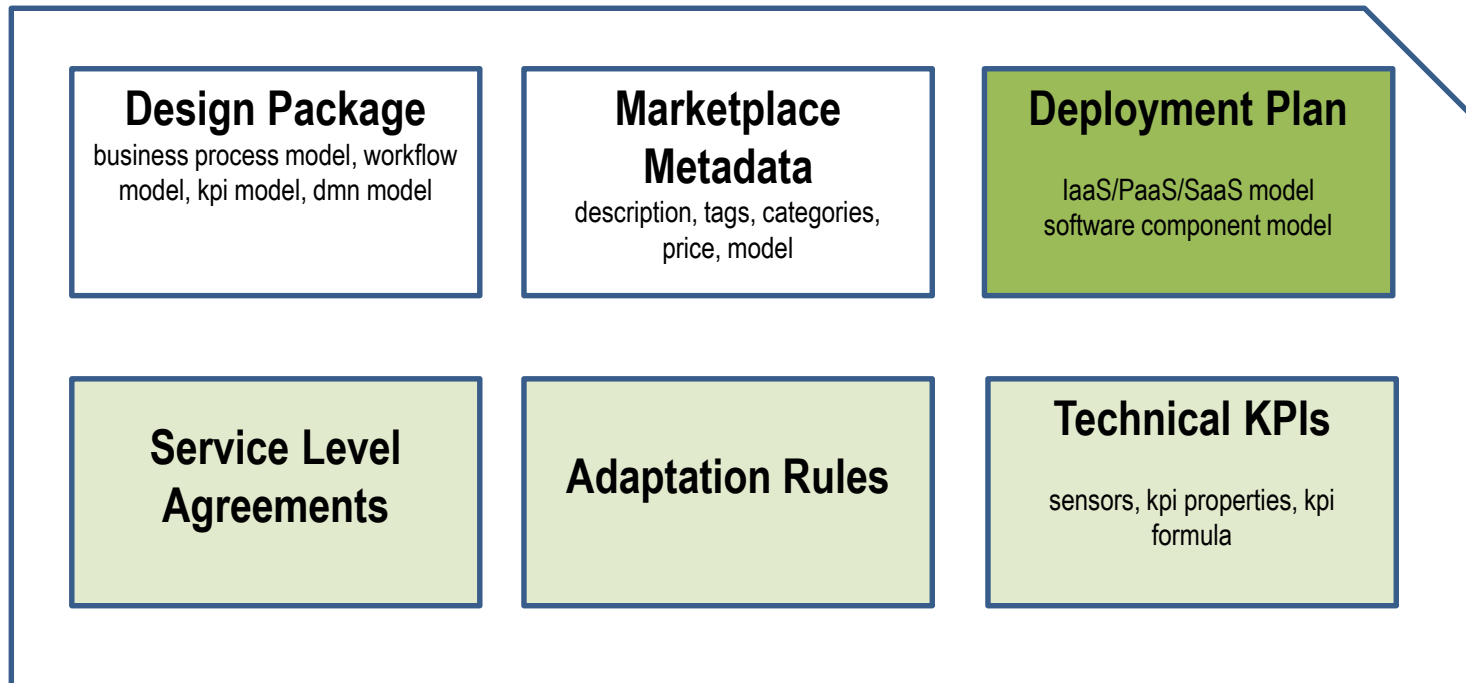
BPaaS Bundle Deployment

BPaaS Bundle Content



BPaaS Bundle Deployment

BPaaS Bundle Content



CloudSocket

BPaaS Bundle Deployment

BPaaS Bundle Content



Webinar:

CloudSocket Webinar: BPaaS Adaptive Provisioning via CAMEL

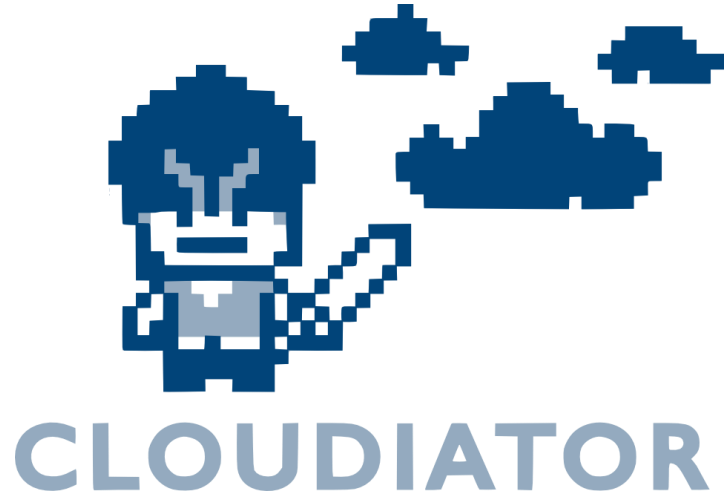
<https://www.youtube.com/watch?v=Klpg-K3RNGA&list=PLZVFNQ-78g4X9XdQ7gPi9erpsGQ1I52AN&index=7&t=1277s>

Webpage:

<http://camel-dsl.org/>

Cloudiator

A Cloud Orchestration Tool



GitHub

Apache Public
License 2.0

cloudiator.github.io



ulm university universität
uulm

CloudSocket

Cloudiator

A Cloud Orchestration Tool

- ▶ automating the application management in the cloud
- ▶ managing the full application life-cycle in the cloud
- ▶ abstracting cloud provider specific details
- ▶ providing monitoring/adaptation capabilities
- ▶ related tools: Apache Brooklyn, Cloudify

Cloudiator

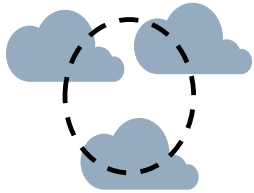
Feature Overview



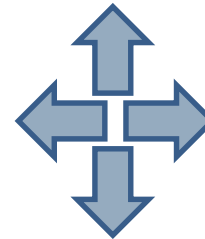
Multi-Cloud
IaaS/PaaS



Monitoring



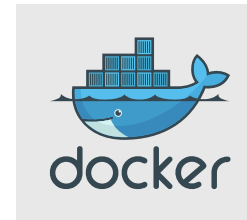
Cross-Cloud
Deployment
IaaS/PaaS



Adaptation



Discovery

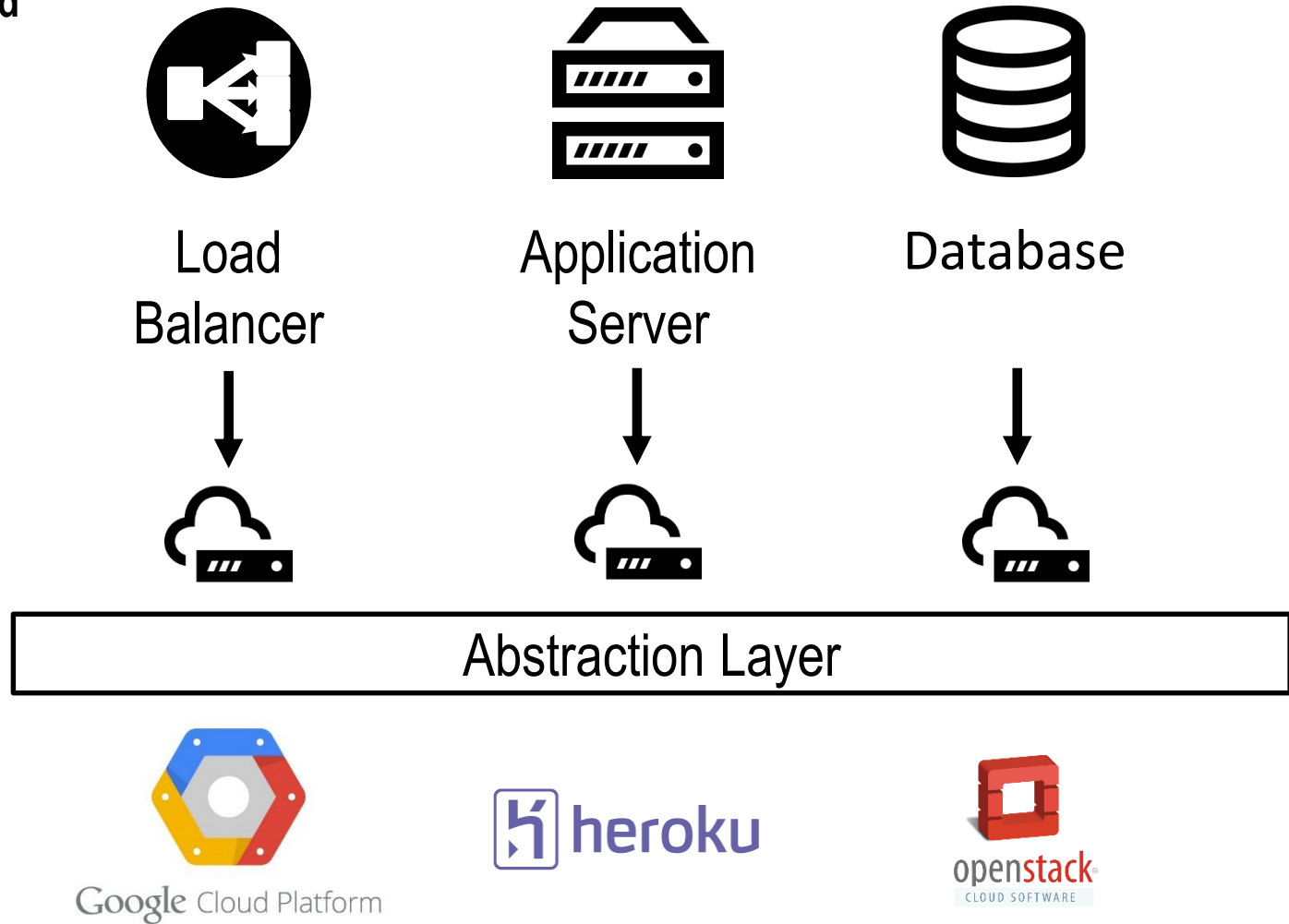


Docker

CloudSocket

Cloudiator

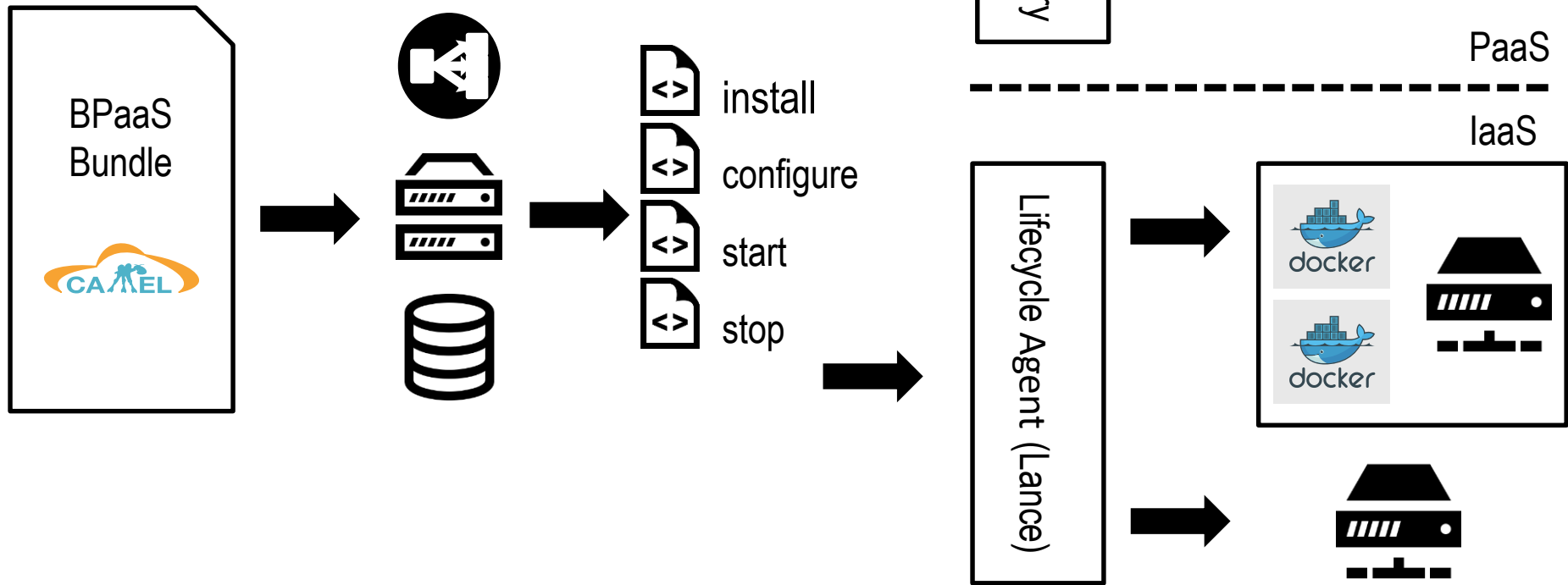
Cross-Cloud



CloudSocket

Cloudiator

Deployment



Cloudiator

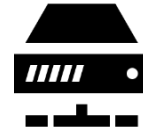
Discovery



Abstraction Layer (Sword)



Offer List



2dfc128-.....26f59
m1.small



Offer List



t2.small

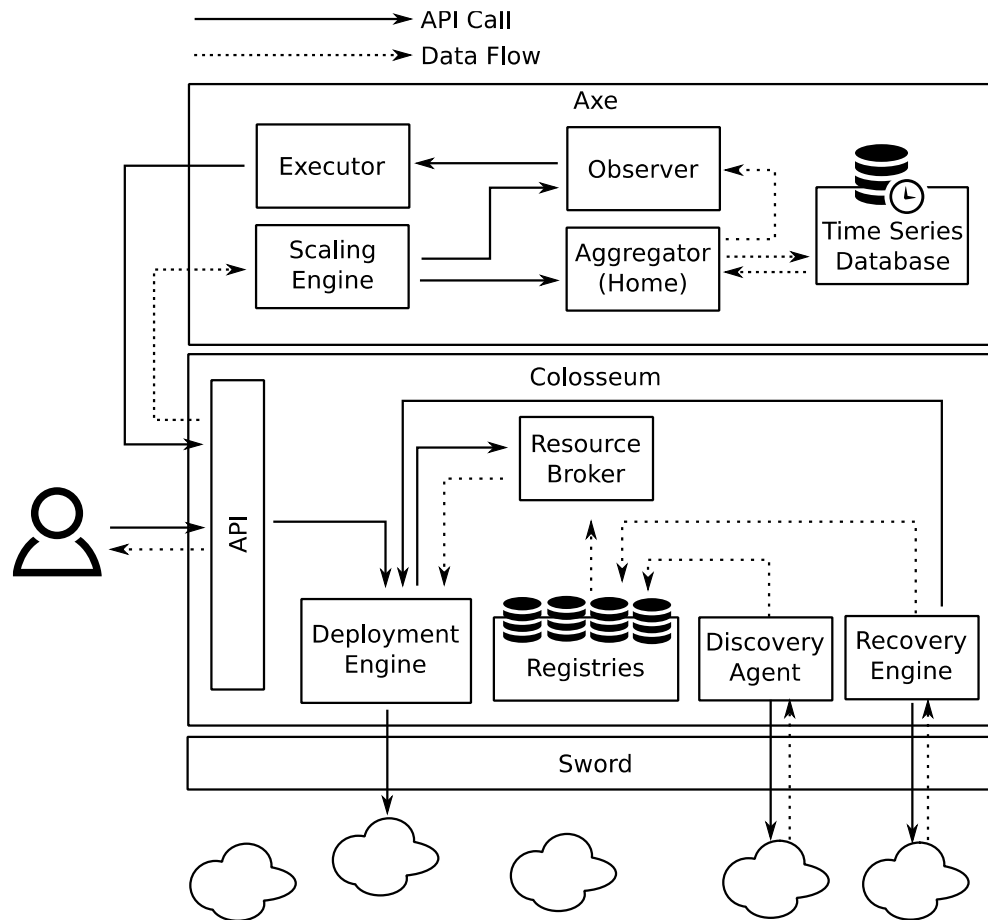
```
{  
  cores: 2,  
  ram: 2GB  
}
```



CloudSocket

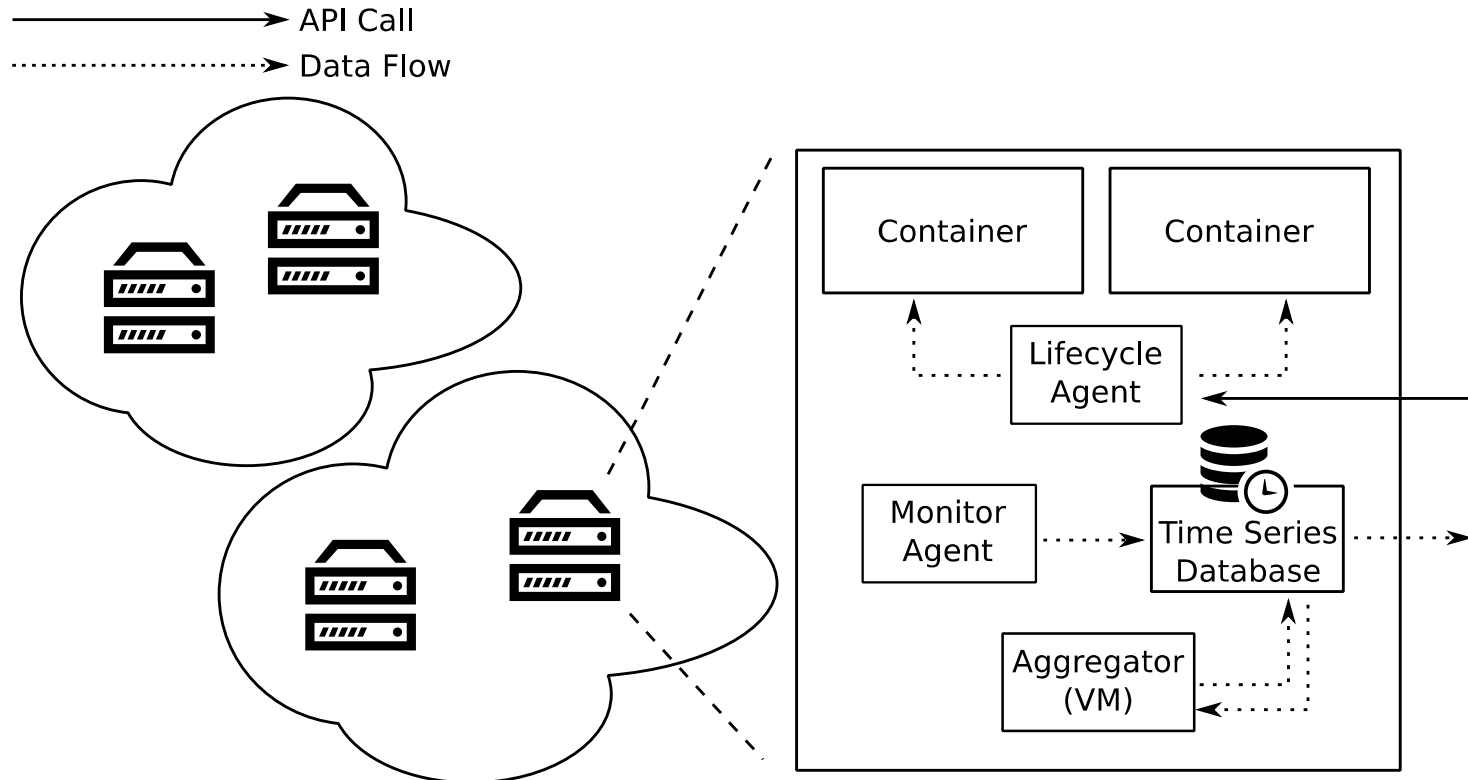
ClouDIATOR

Architecture (Home Domain)



Cloudiator

Architecture (Remote Domain)



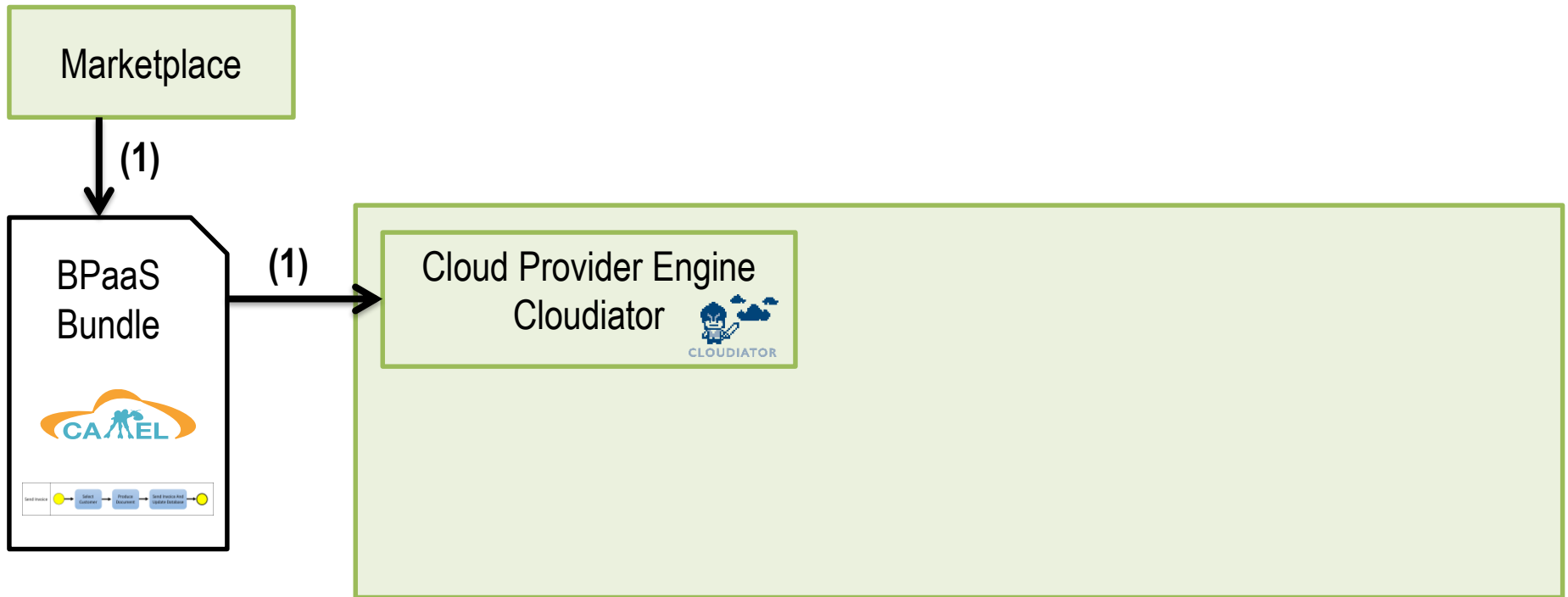
CloudSocket

The Golden Worm Start-Up

DEMO: SEND INVOICE

Demo: Send Invoice BPaaS

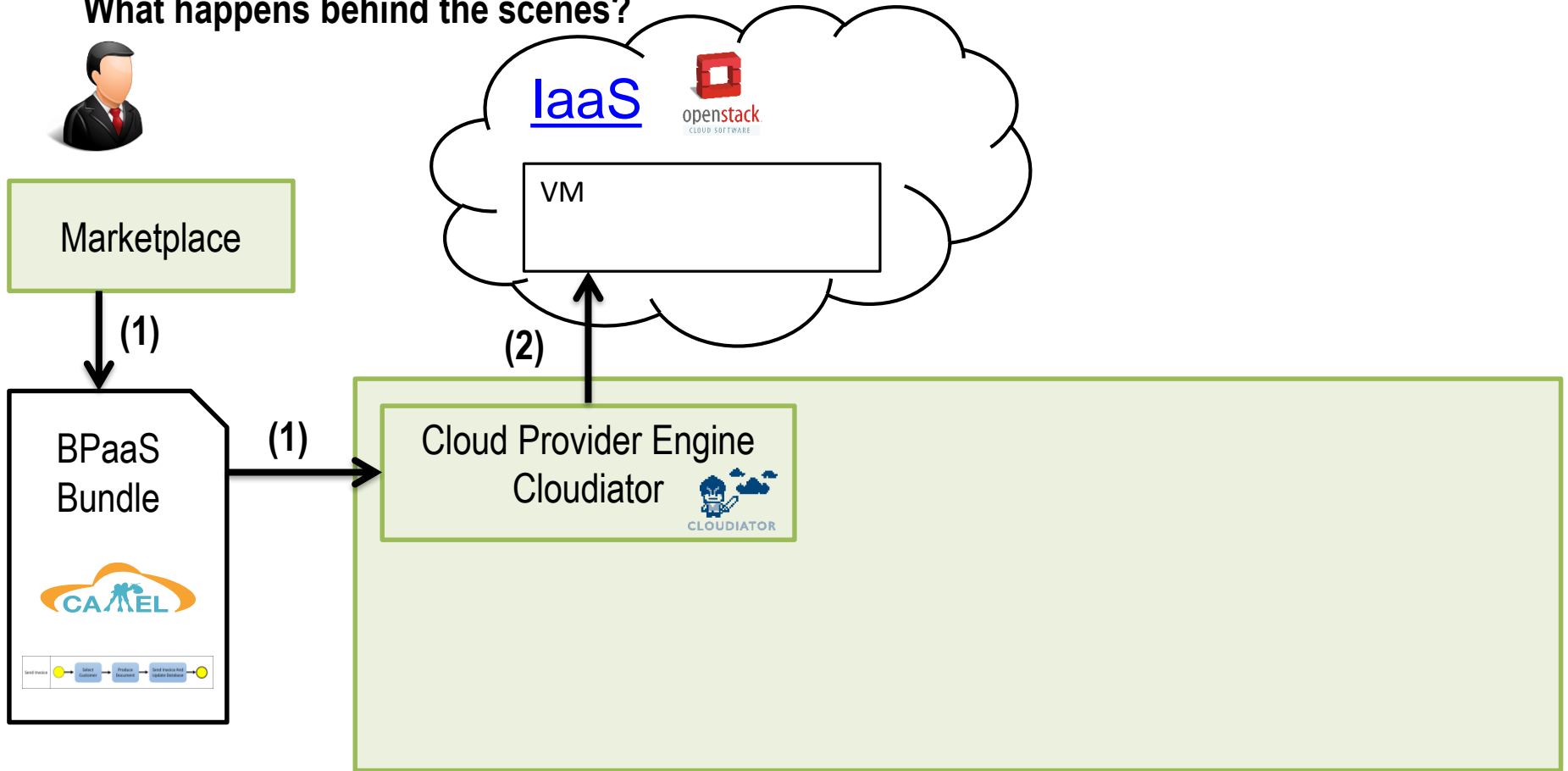
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

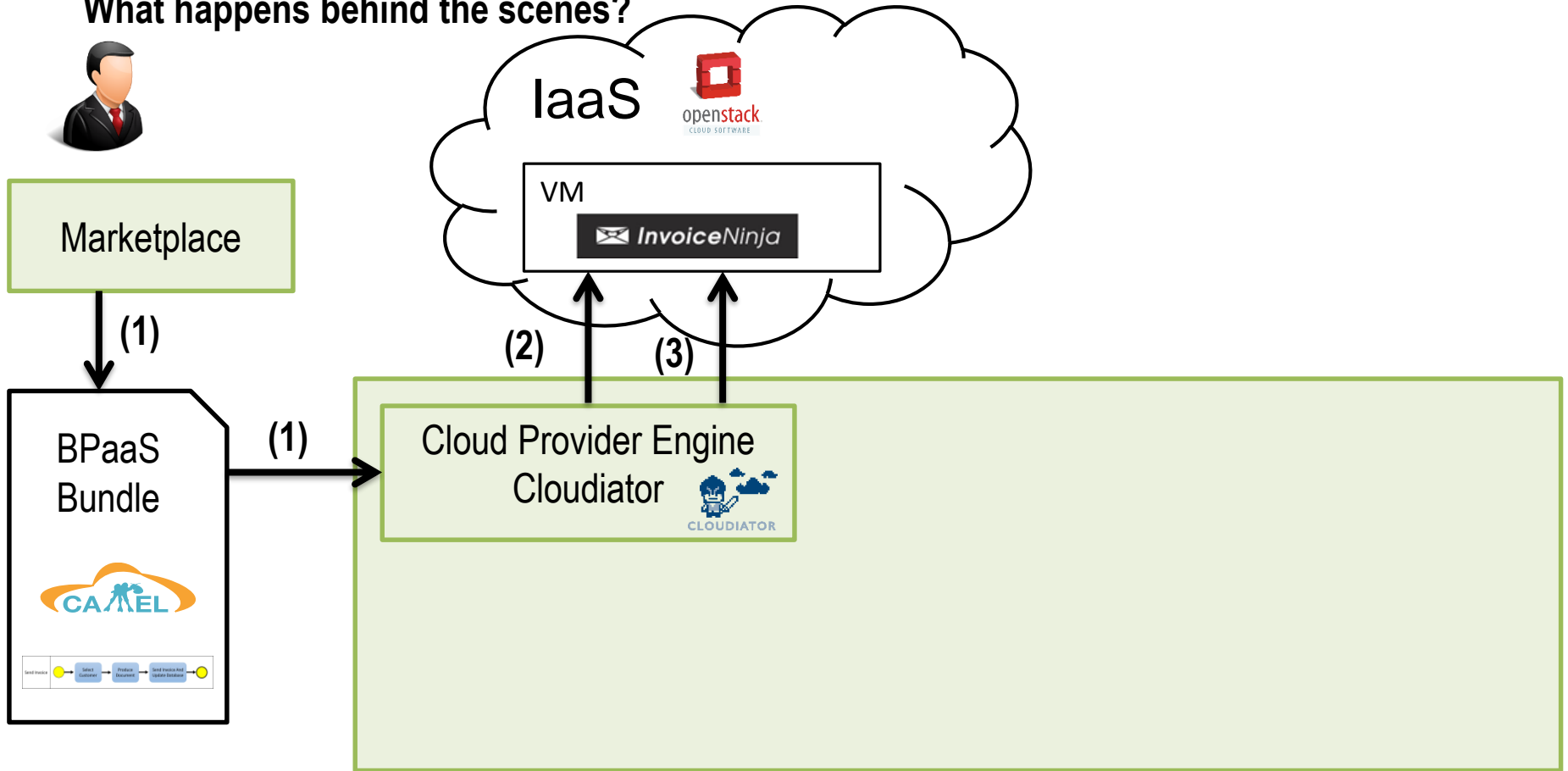
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

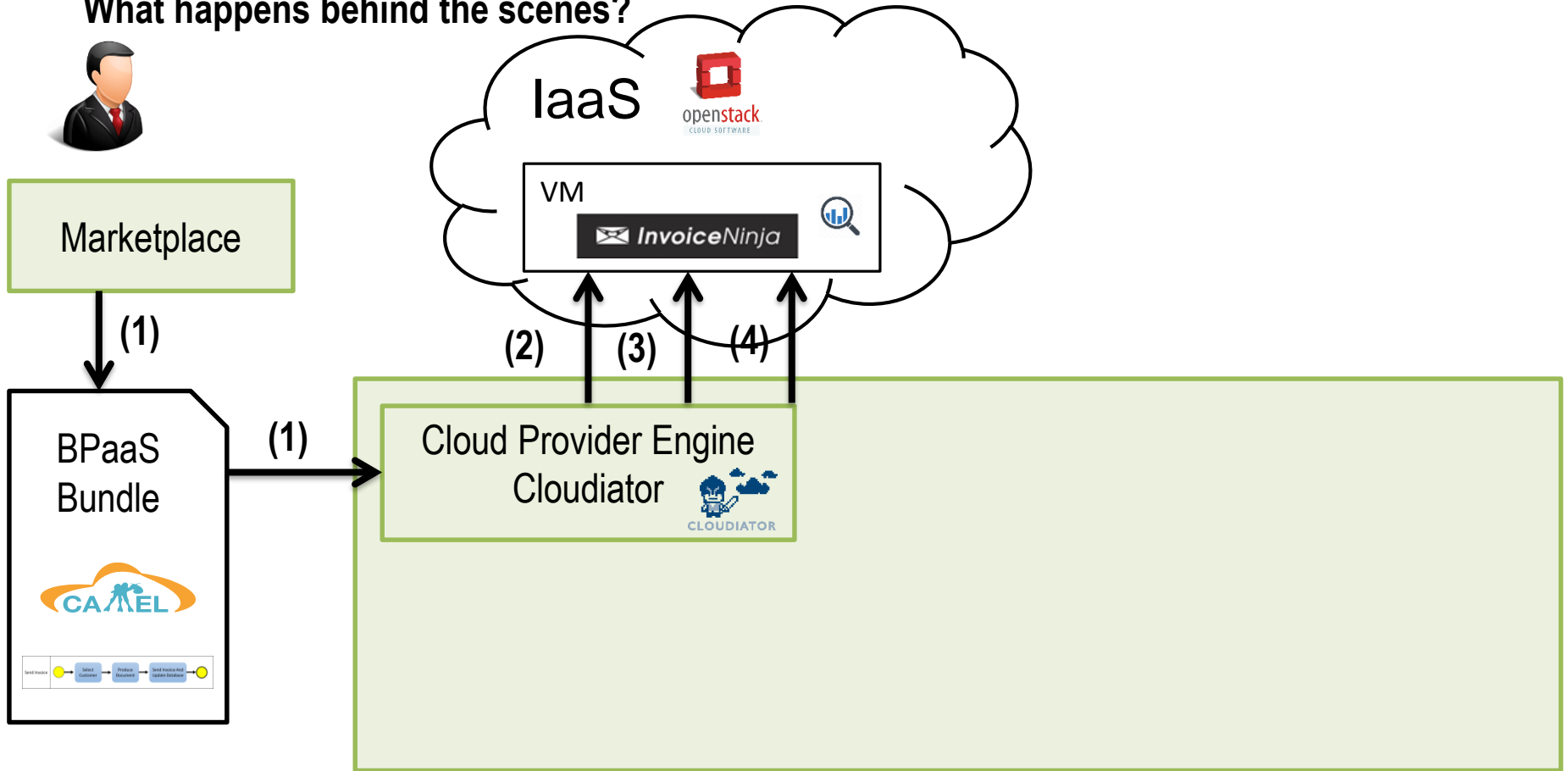
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

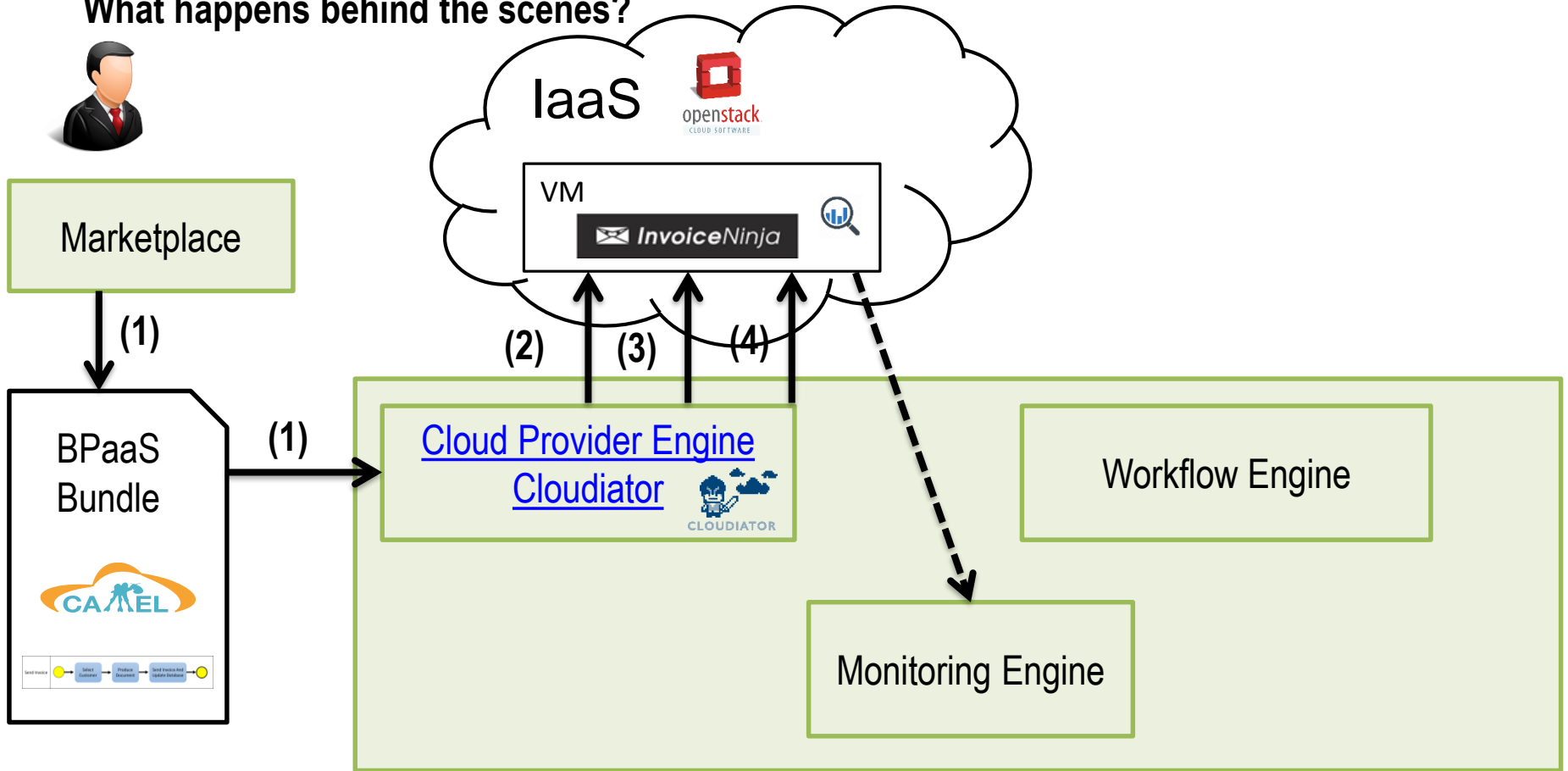
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

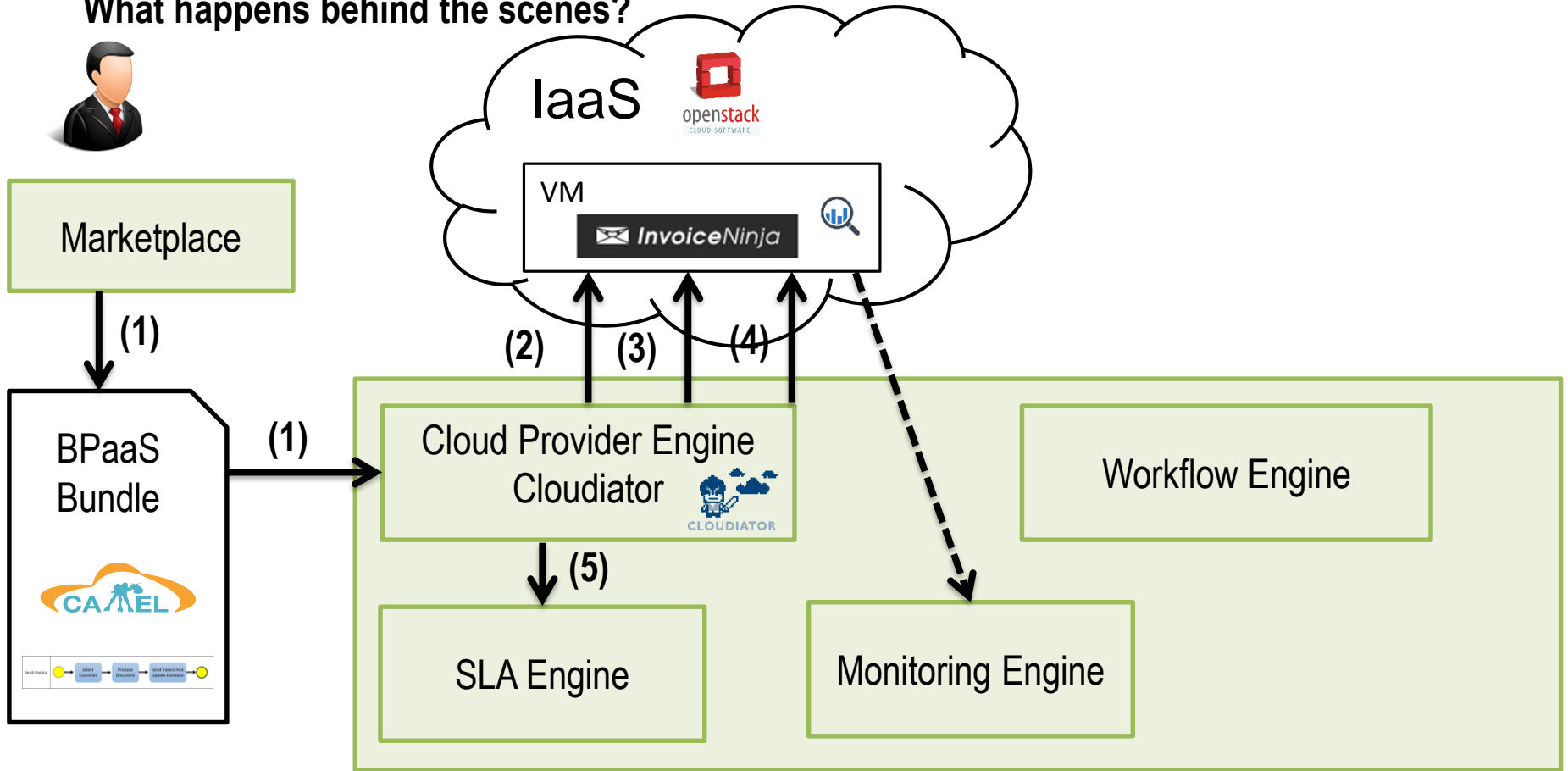
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

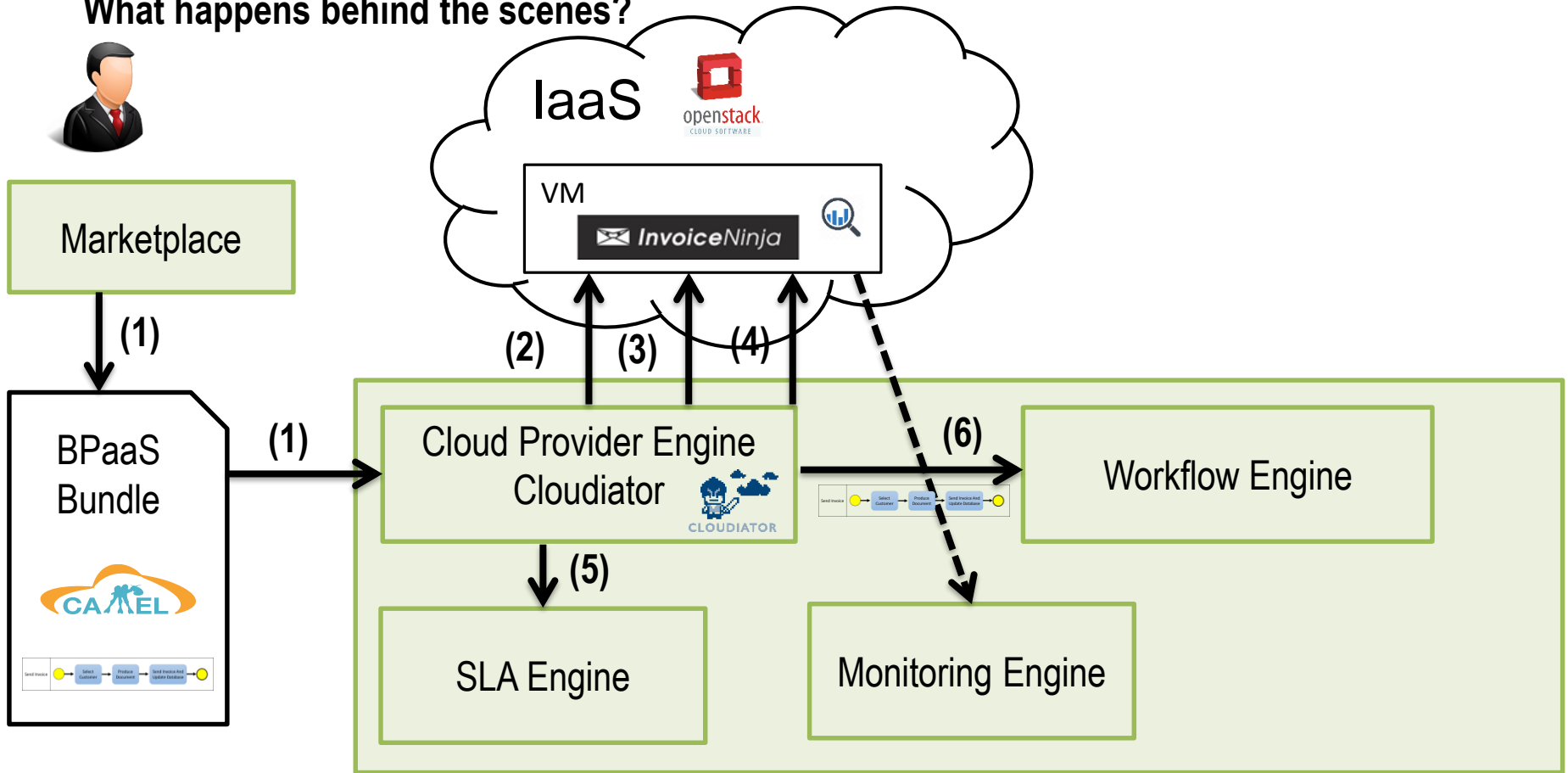
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

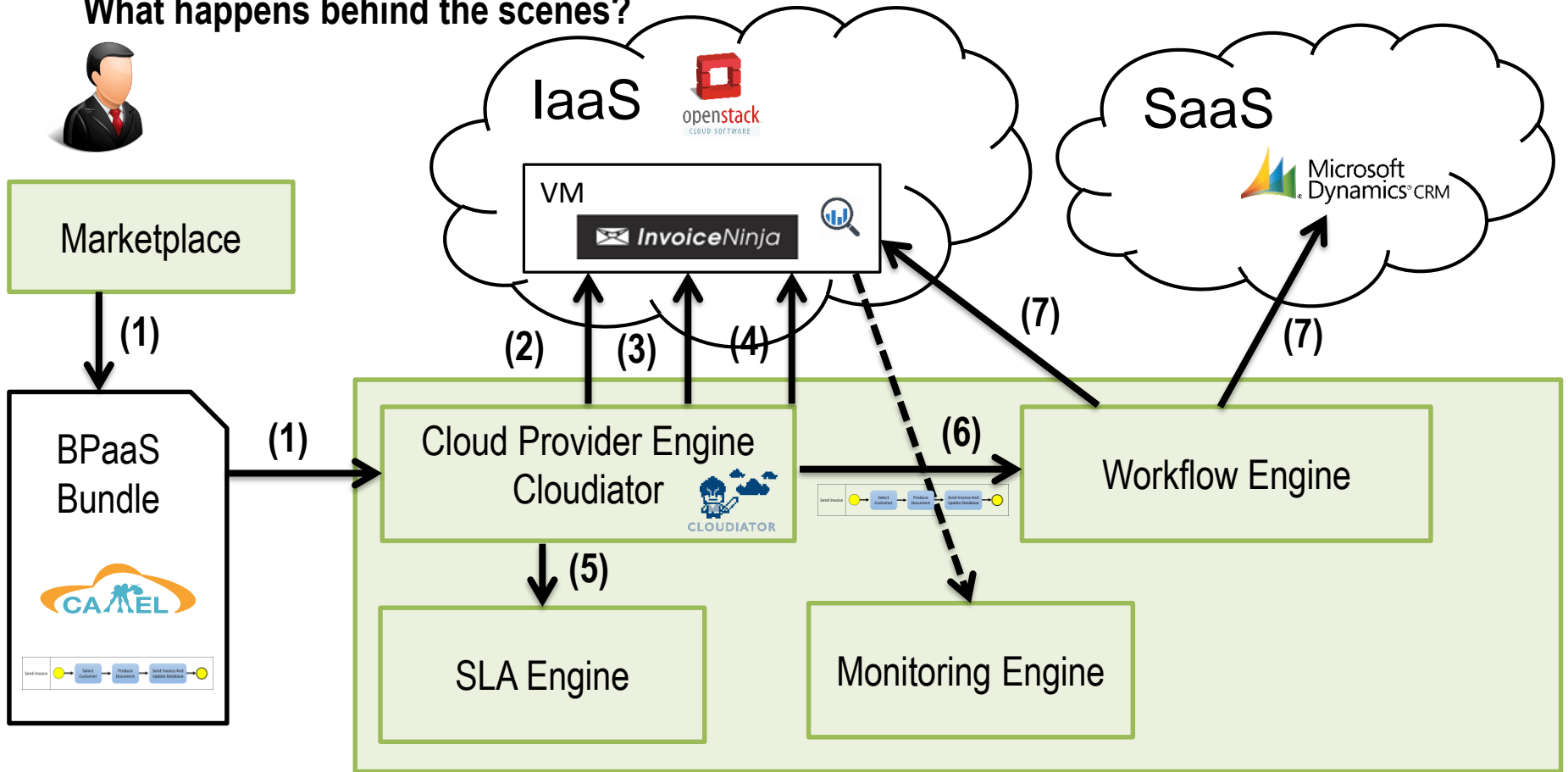
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

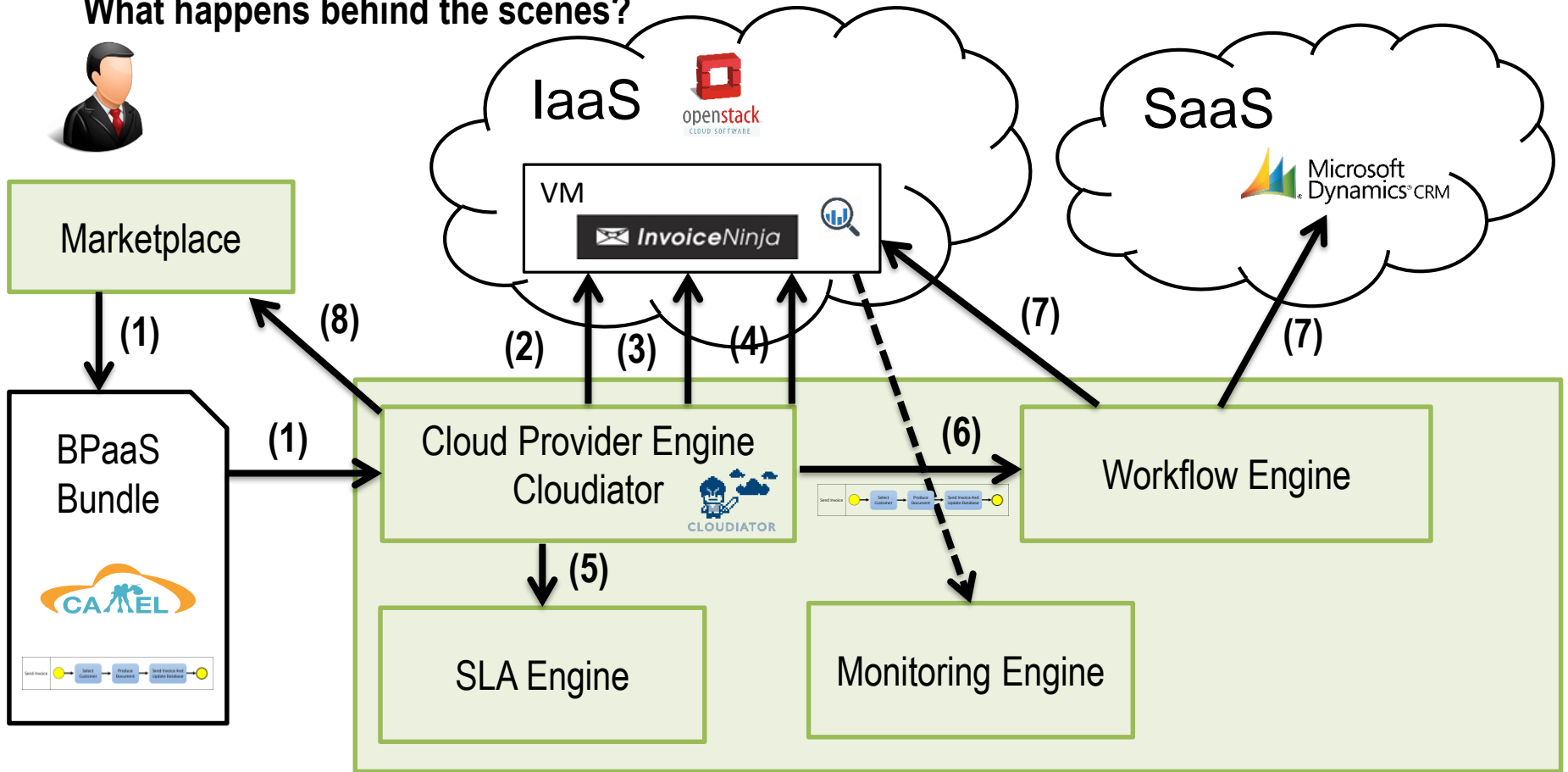
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

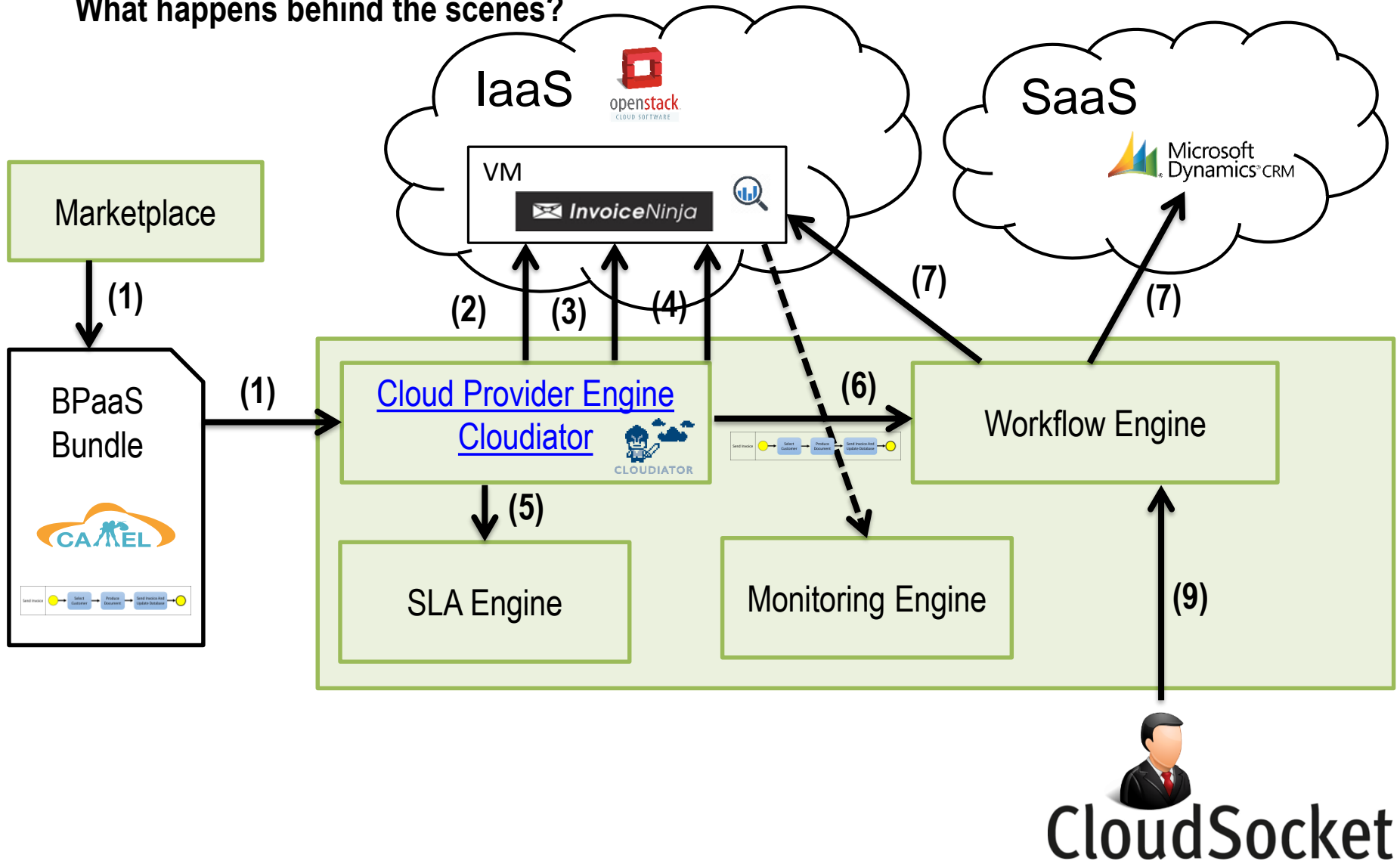
What happens behind the scenes?



CloudSocket

Demo: Send Invoice BPaaS

What happens behind the scenes?

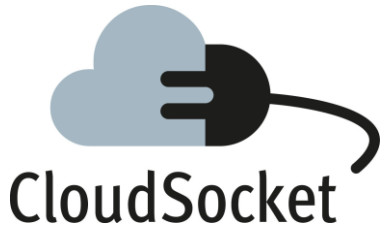


Summary & Outlook

- ▶ Cloudiator enables the BPaaS Bundle deployment by
 - ▶ supporting application orchestration on IaaS/PaaS
 - ▶ supporting the major IaaS (Amazon EC2, Google Compute, Openstack,...) and PaaS (OpenShift, Heroku, CloudFoundry) providers
- ▶ Cloudiator provides BPaaS monitoring and adaptation capabilities
 - ▶ **Save the date:** upcoming webinar on Cross-Cloud BPaaS Monitoring 06.09.2017
 - ▶ **Save the date:** upcoming webinar in Cross-Cloud BPaaS Adaptation 04.10.2017
- ▶ Checkout the CloudSocket Youtube channel for more videos
 - ▶ <https://www.youtube.com/channel/UC8qbCYS49FfG7S8j5AABpaA>

CloudSocket

Stay in Touch



www.cloudsocket.eu

[**@CloudSocketProject**](https://twitter.com/CloudSocketProject)

<https://www.youtube.com/channel/UC8qbCYS49FfG7S8j5AABpaA>

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