

Share your Service

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Overview

OVCIVICV

Why do we need services?

What is a service?

What is DIVAServices?

How does it work?

What is planned



Why do we need services?

Do not have the resources

Do not have the data

Execute it platform independent

Execute a method without installing it



What is a service?

There is not common definition

Communication over a network

Independently deployable

Modular structure



What is DIVAServices?

Framework for DIA-Methods

Unified API

Docker

Extensible

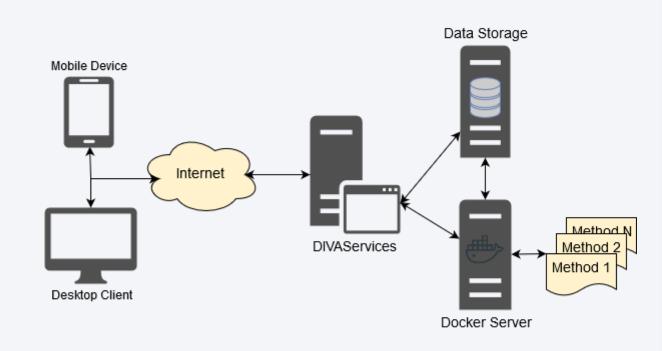


How does it work? I

Unified API

Docker

Extensible





How does it work? II

Installing a method with POST request

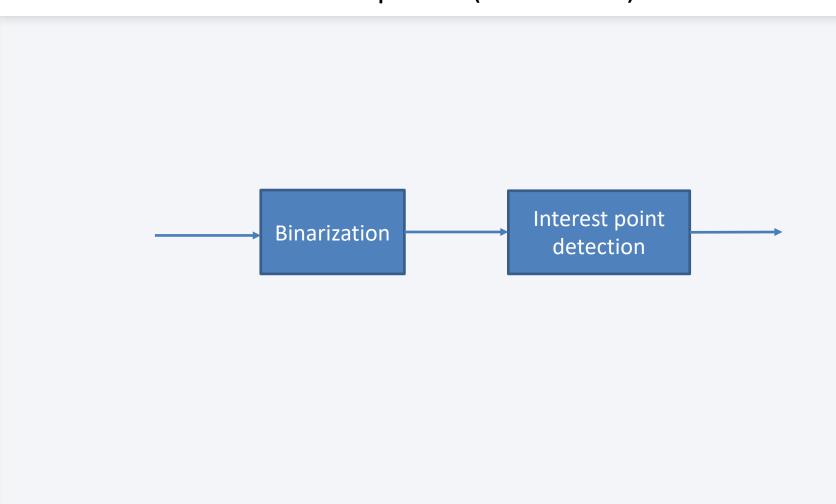
Upload data

Executing a method

Gathering the results



Workflow example I (not live)





Workflow example II

```
"general": {
 "name": "Interest Point Detection Workflow",
"workflow": {
 "name": "ip-workflow",
  "steps": [
     "name": "binarization",
     "type": "regular",
    "method": "http://134.21.57.191:8080/binarization/otsubinarization/1",
     "inputs": {
      "parameters": {},
      "data": []
     "name": "ipd",
     "type": "regular",
     "method": "http://134.21.57.191:8080/imageprocessing/multiscaleinterestpointdetection/1",
     "inputs": {
      "parameters": {
      "data": [
          "inputImage": "$binarization/$otsuBinaryImage"
```



What is planned

Generic workflow integration

General improvement of the system