



# PS7 PRESENTATION POLYVILLE ACTIVE

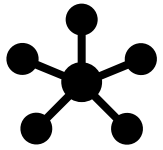
João Brilhante  
Charly Ducrocq  
Quentin Larose  
Loïc Rizzo

UNIVERSITÉ  
CÔTE D'AZUR



POLYTECH  
NICE-SOPHIA

# SUMMARY



How do the chosen  
axes interact?



Which features are  
available ?



What is the  
innovative part?



Why is the project  
technically well done?

# [AL-2] EXTENSIBILITY & INTEROPERABILITY

How do the chosen axes interact?

Which features are available?

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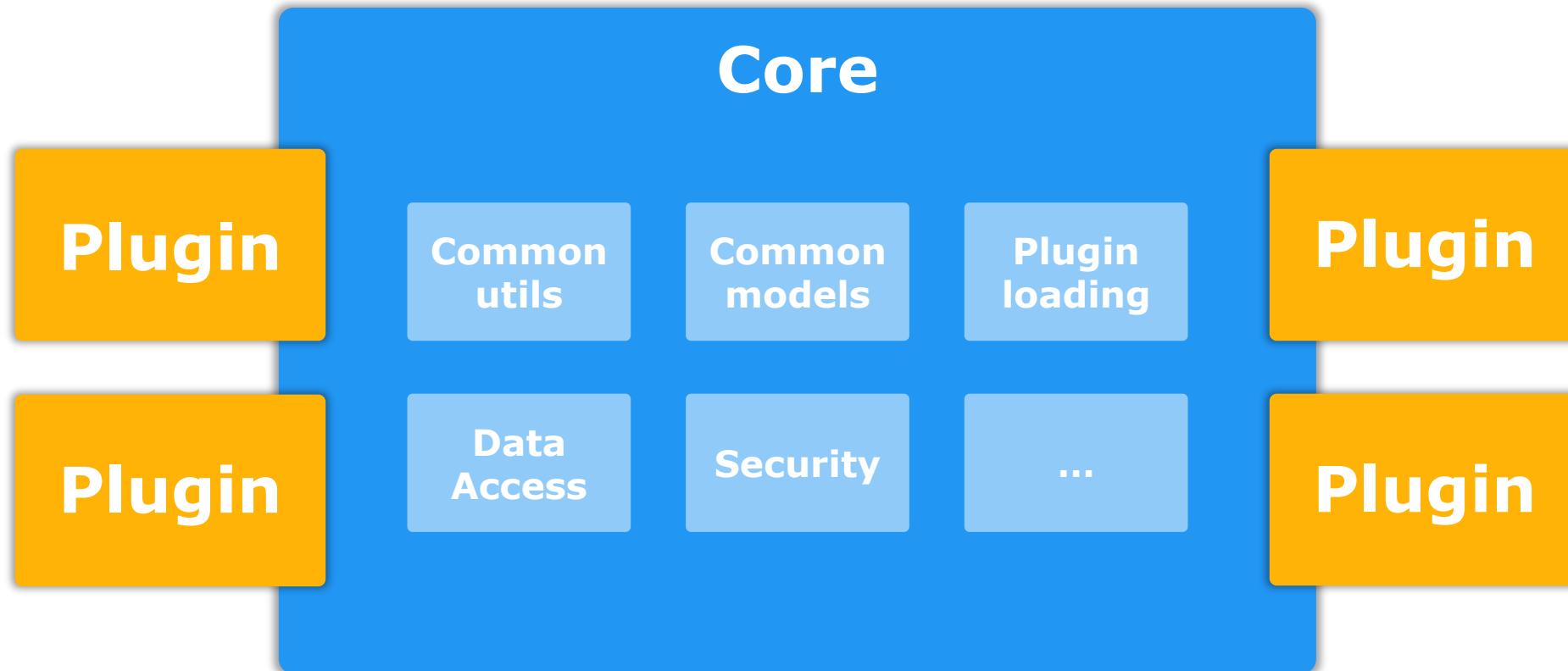
# [AL-3] SOFTWARE FACTORY & CLONE ARMY

How do the chosen axes interact?

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# 1. PLUGINS CAN PRODUCE AN API

How do the chosen axes interact?

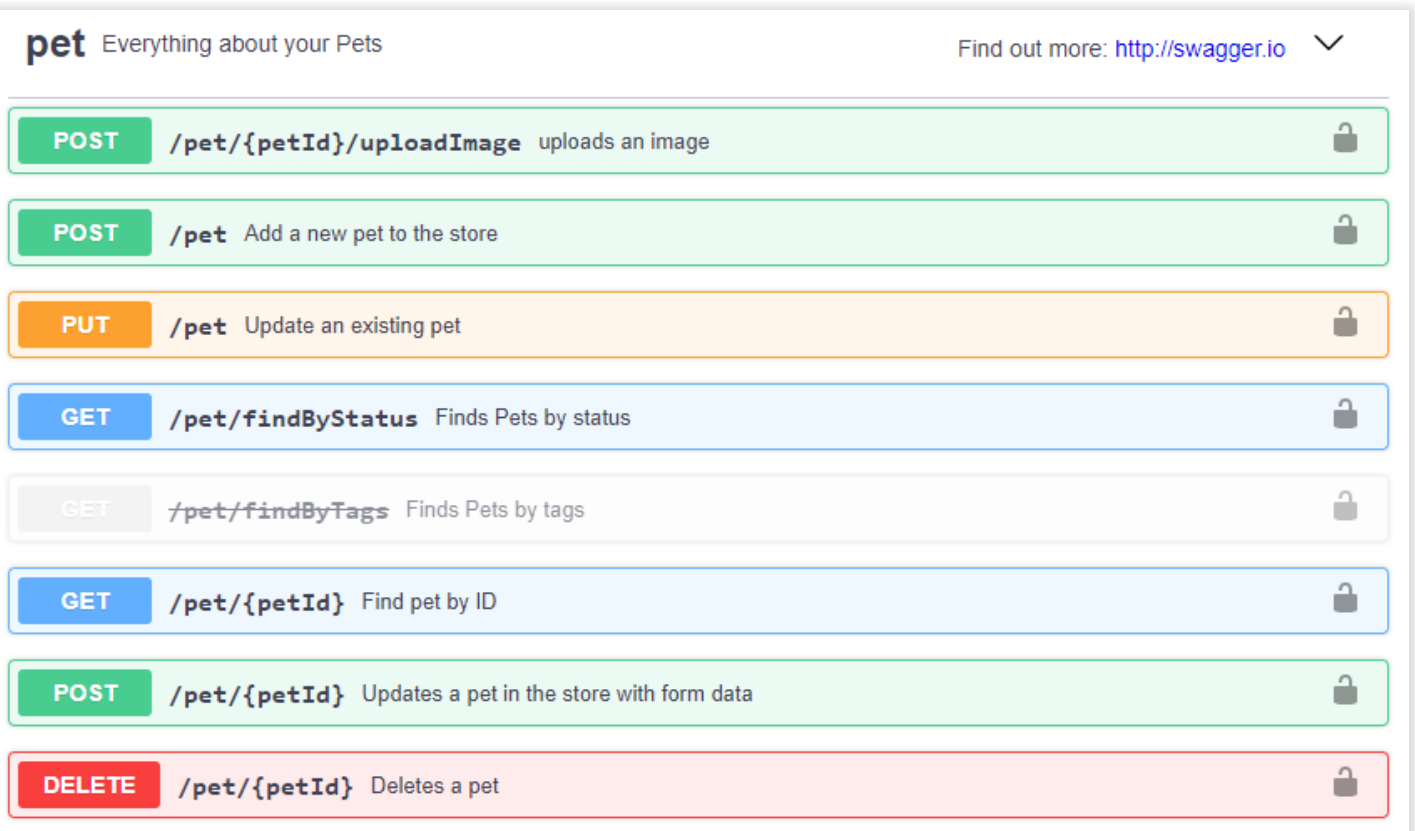
Which features are available?

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**Plugin**

can define



The image shows a Swagger UI interface for a pet API. It lists several endpoints with their HTTP methods, paths, descriptions, and security status (indicated by a lock icon). The endpoints are: POST /pet/{petId}/uploadImage (uploads an image), POST /pet (Add a new pet to the store), PUT /pet (Update an existing pet), GET /pet/findByStatus (Finds Pets by status), GET /pet/findByTags (Finds Pets by tags), GET /pet/{petId} (Find pet by ID), POST /pet/{petId} (Updates a pet in the store with form data), and DELETE /pet/{petId} (Deletes a pet). The interface is titled 'pet Everything about your Pets' and includes a link to 'http://swagger.io'.

Method	Path	Description	Security
POST	/pet/{petId}/uploadImage	uploads an image	Locked
POST	/pet	Add a new pet to the store	Locked
PUT	/pet	Update an existing pet	Locked
GET	/pet/findByStatus	Finds Pets by status	Locked
GET	/pet/findByTags	Finds Pets by tags	Locked
GET	/pet/{petId}	Find pet by ID	Locked
POST	/pet/{petId}	Updates a pet in the store with form data	Locked
DELETE	/pet/{petId}	Deletes a pet	Locked

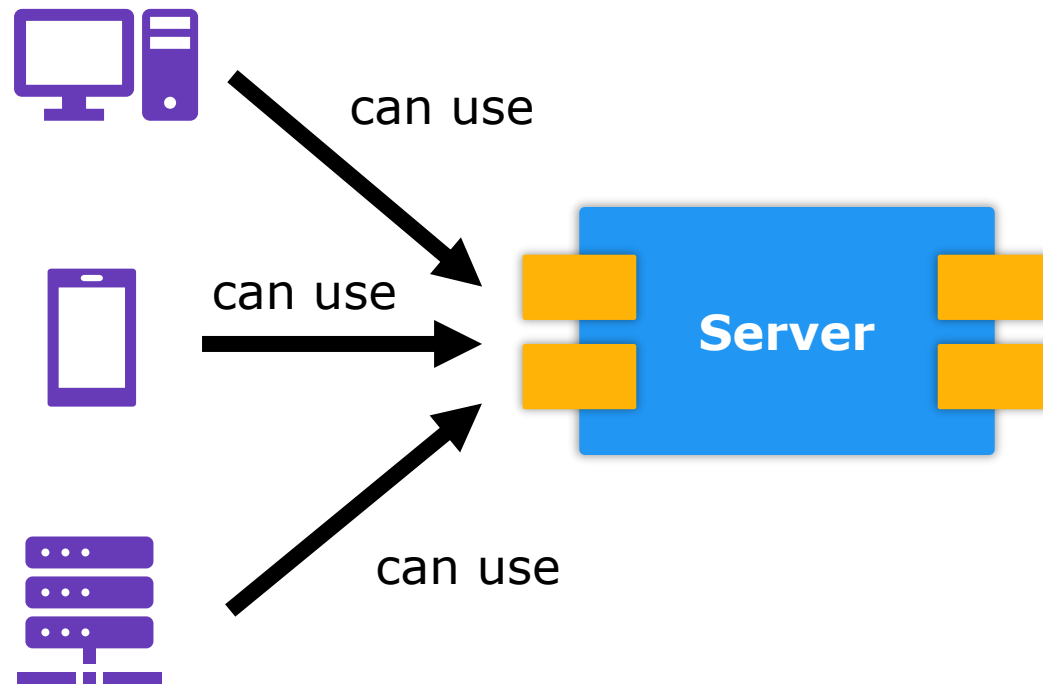
# 1. PLUGINS CAN PRODUCE AN API

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# 2. PLUGINS CAN CONSUME AN EXTERNAL API

How do the chosen axes interact?

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```
"records": [  
  {  
    "datasetid": "park-indigo-disponibilite-temps-reel@issy-les-moulineaux",  
    "recordid": "25954bf78c2fc64aa504b0956ed14f6efe73cc08",  
    "fields": {  
      "ville": "Boulogne-Billancourt",  
      "c_p_situation": "92100",  
      "remplissage": 50.095238095238095,  
      "value_free_spots": 262,  
      "adresse_situation_2": "Avenue du stade Pierre de Coubertin",  
      "value_updated_at": "2021-01-07T22:46:15+00:00",  
      "parking_id": "92010200",  
      "nombre_de_places_contractuelles": 525,  
      "name": "Point du Jour",  
      "value_status": "0",  
      "geo": [  
        48.834732056,  
        2.255501986  
      ],  
      "adresse_situation_1": "Place Abel Gance"  
    },  
    "geometry": {  
      "type": "Point",  
      "coordinates": [  
        2.255501986,  
        48.834732056  
      ]  
    },  
    "record_timestamp": "1970-01-01T00:00:00+00:00"  
  },  
],
```

can consume

**Plugin**

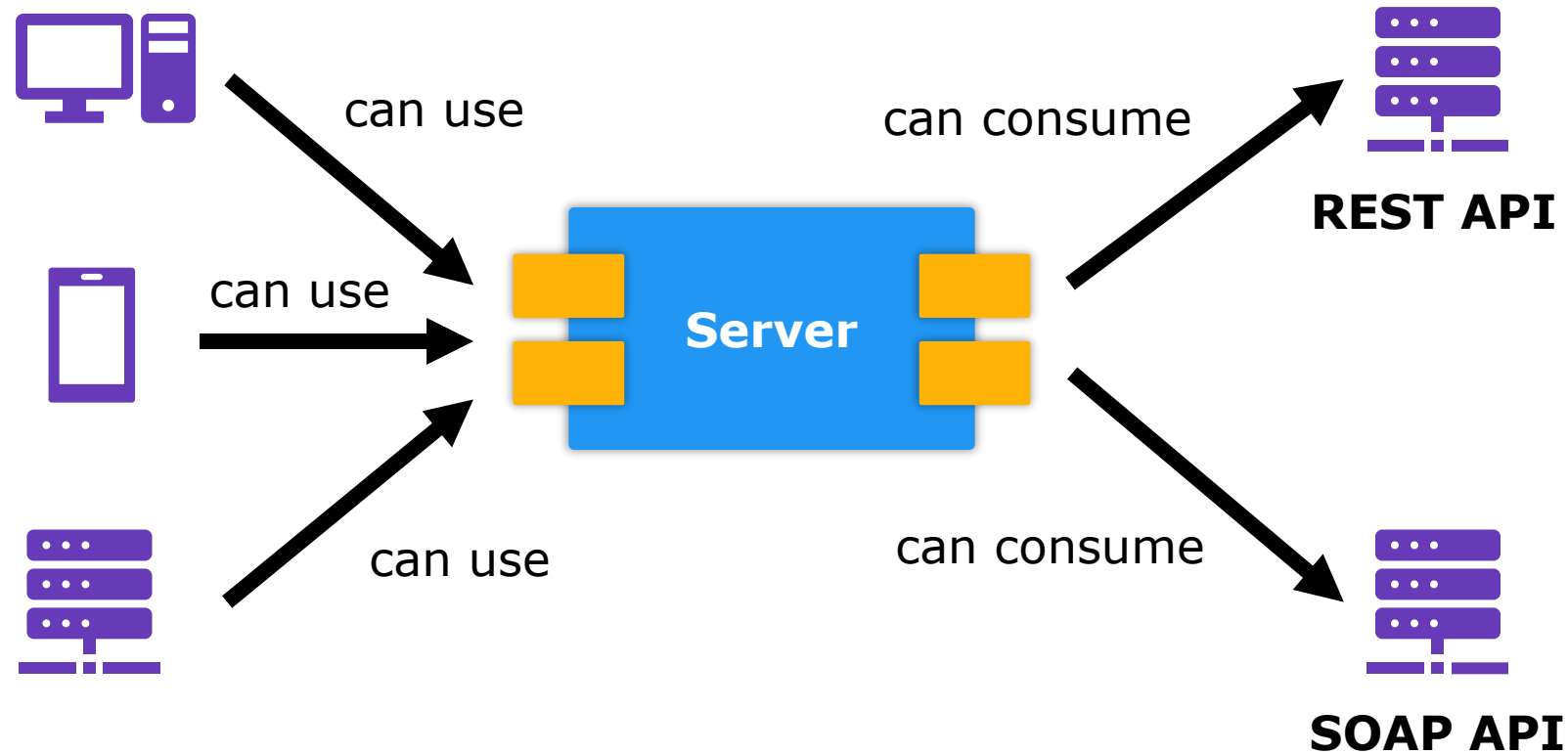
## 2. PLUGINS CAN CONSUME AN EXTERNAL API

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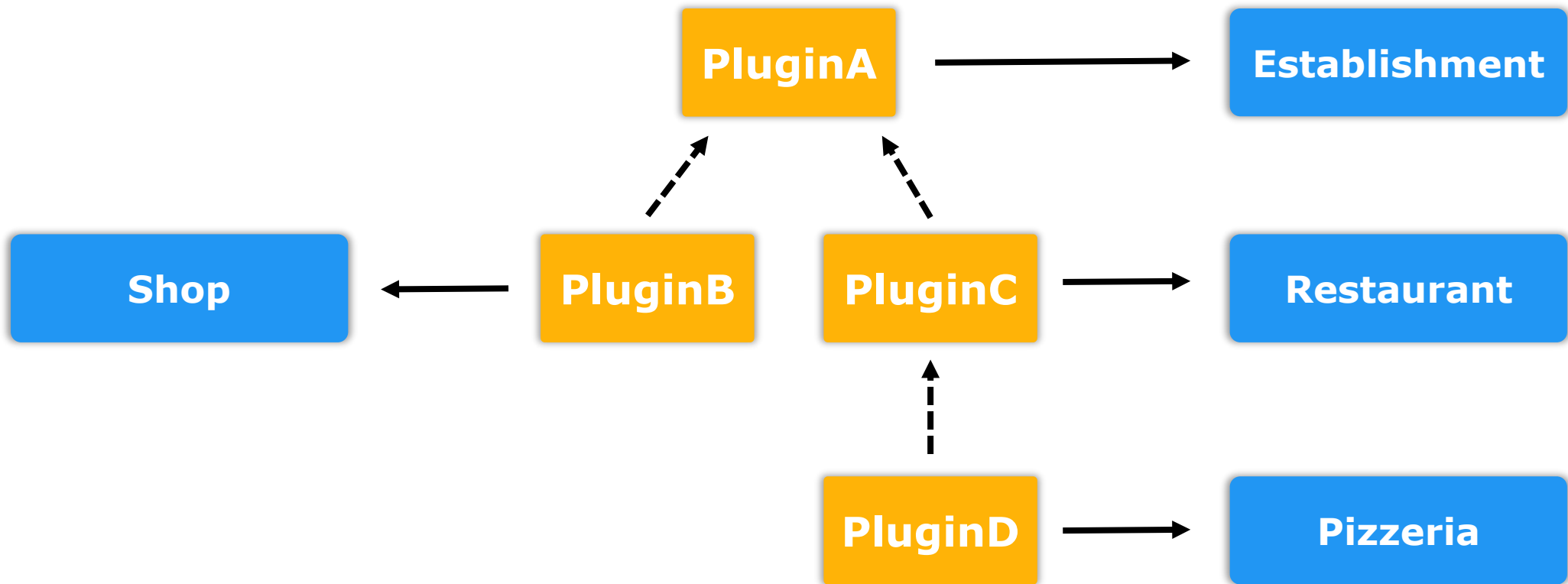
# 3. PLUGINS CAN DEFINE EXTENSION POINTS

How do the chosen axes interact?

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# 1. DYNAMIC PLUGIN MANAGEMENT

How do the chosen axes interact?













Which features are available?

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Charger les nouveaux plugins

Redémarrer les plugins

Nom	Version	Auteur	Etat	Actions
parking	0.0.1	AL1	Démarré	 Arrêter  Redémarrer
parkingInnovation	0.0.1	AL1	Démarré	 Arrêter  Redémarrer
parkingadapterIndigo	0.0.1	AL1	Démarré	 Arrêter  Redémarrer
shops	0.0.1	AL1	Arrêté	 Démarrer
parkingadapterGP	0.0.1	AL1	Démarré	 Arrêter  Redémarrer
events	0.0.1	AL1	Démarré	 Arrêter  Redémarrer
hello	0.0.1	External author	Non chargé	 Charger

# 2. SHOP MANAGEMENT

How do the chosen axes interact?

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## Modifier les informations de votre magasin

Le nom du magasin : PolyFood

La latitude du magasin : 43.123456

La longitude du magasin : 7.123456

Confirmer

## Créer votre promotion

Titre de la promotion : Fruits Discount

Condition de la promotion : Only applies on fruits

Forme de la promotion : ☒ En pourcentage ☐ En brut

Valeur de la promotion : 20

Créer



# 3. EVENT MANAGEMENT

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## Créer votre évènement

Titre de l'évènement : AL1 Keynote

Description de l'évènement : Talking about upcoming events an

Début de l'évènement : Fri Jan 08 2021 13:30:00 GMT+010

Fin de l'évènement : Fri Jan 08 2021 15:10:00 GMT+010

Créer



# 4. PARKING MANAGEMENT

How do the chosen axes interact?

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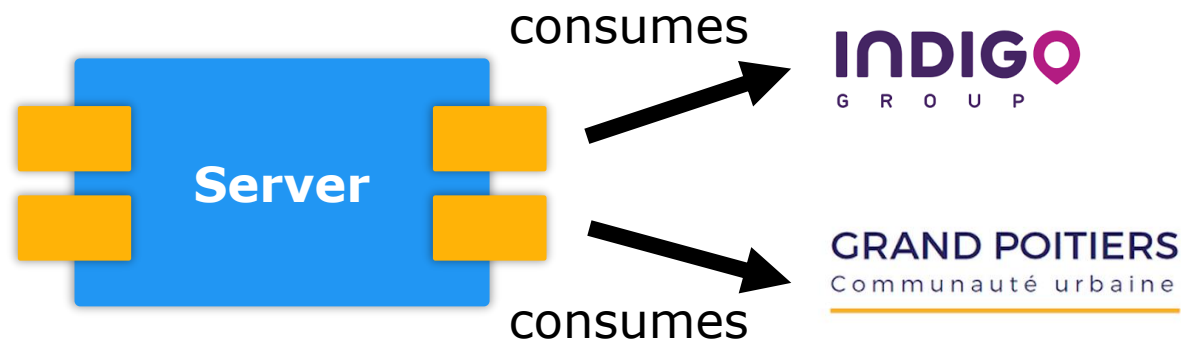
## Modifier les informations de votre parking

Le nom du parking :

Le nombre de places :

La latitude du magasin :

La longitude du magasin :





# 5. CITY MAP

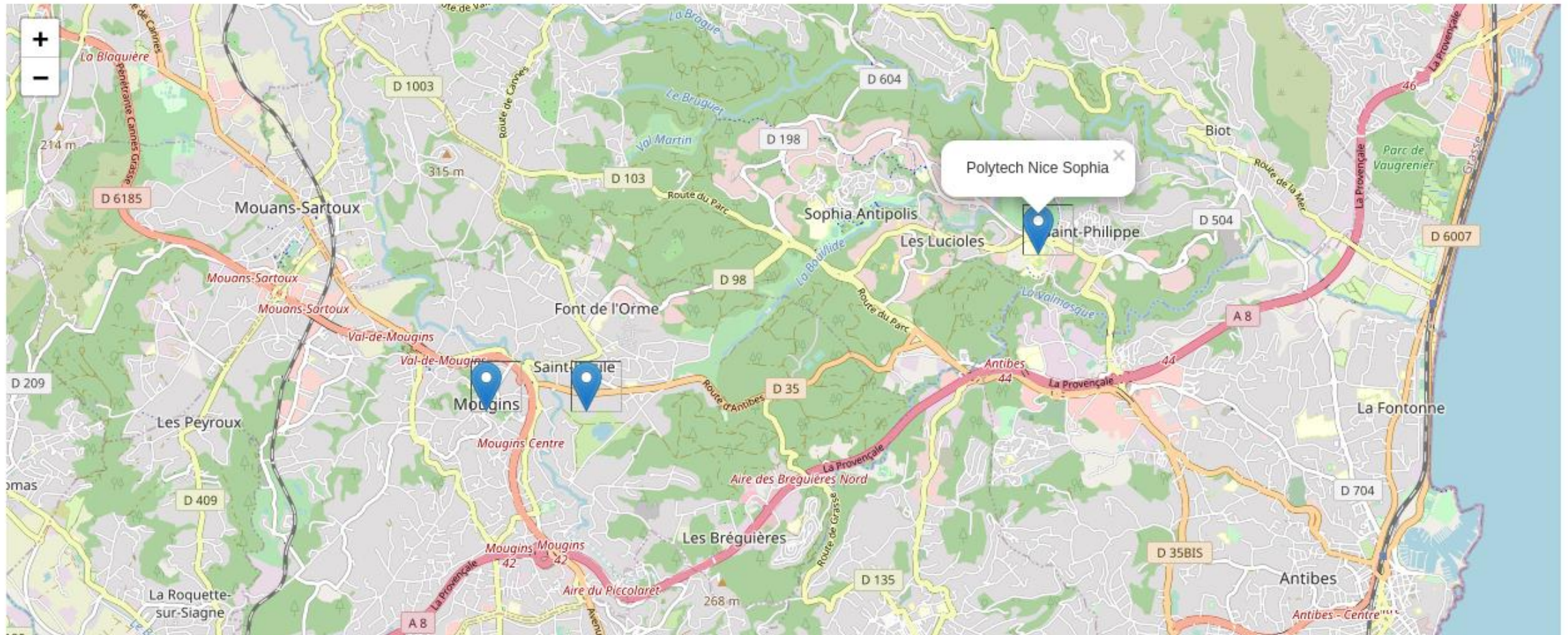
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## Polyville



# SMART PARKING

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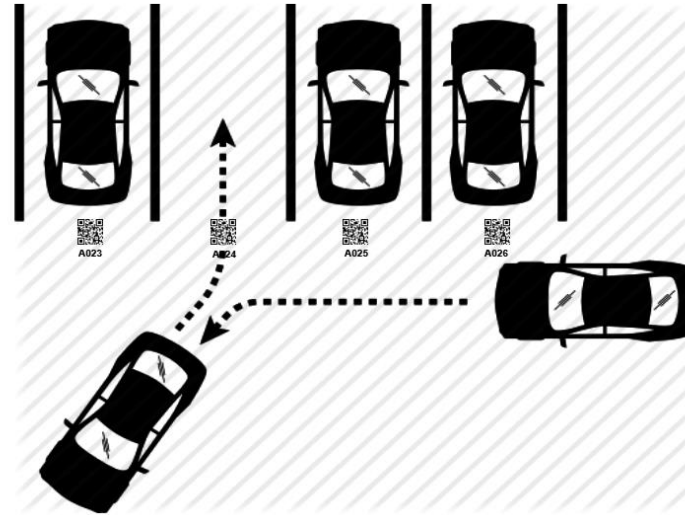
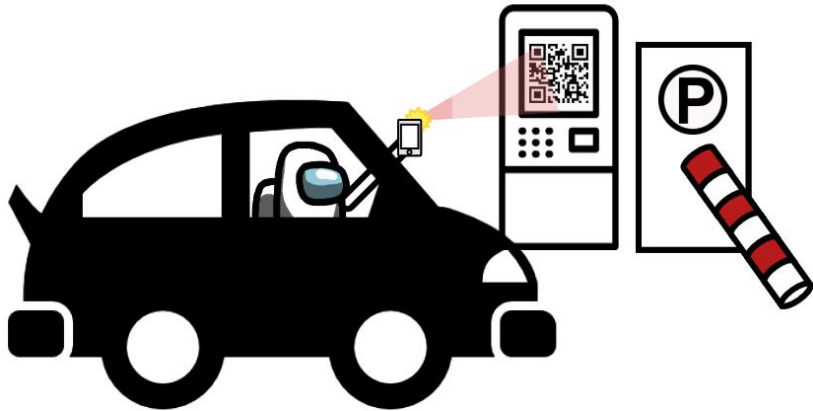
# 1. CLOSED PARKING

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How do the chosen axes interact?

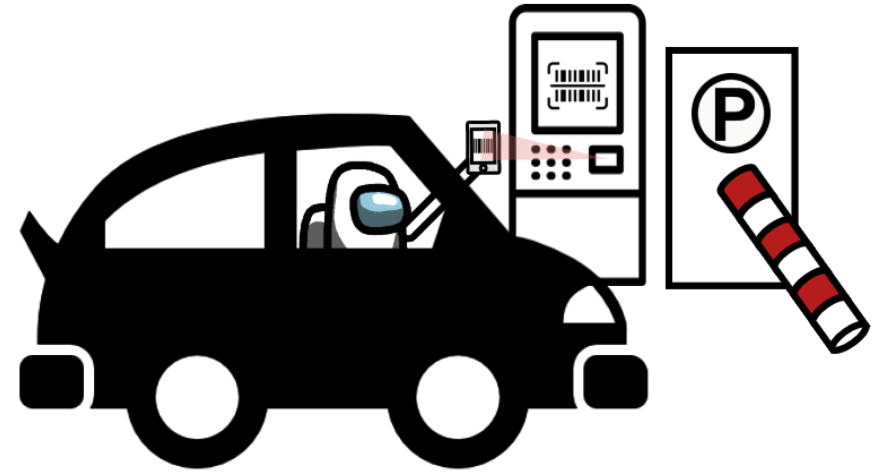
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OR



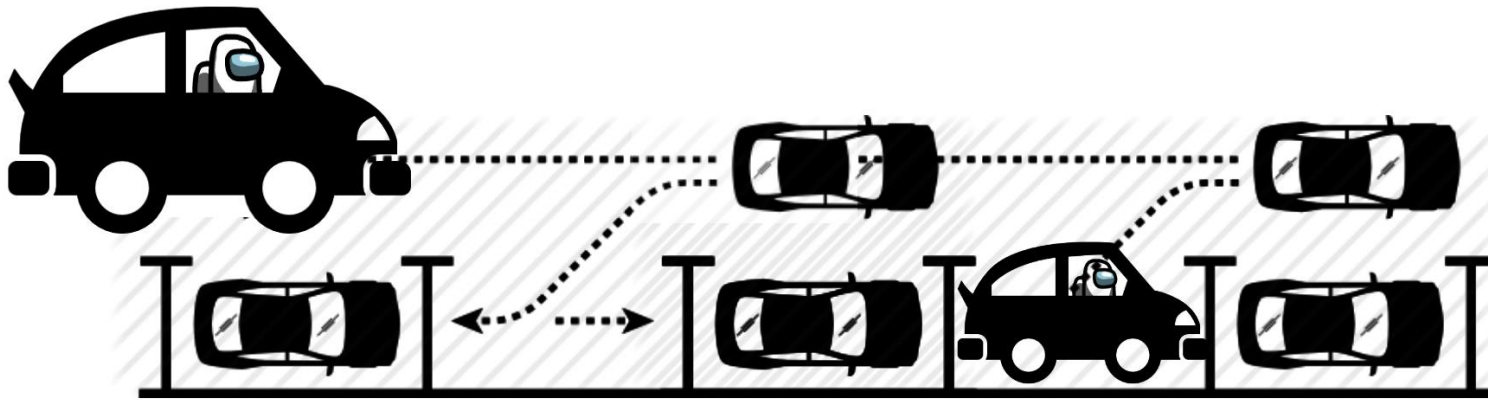
# 2. OPEN PARKING

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# TECHNOLOGY SELECTION

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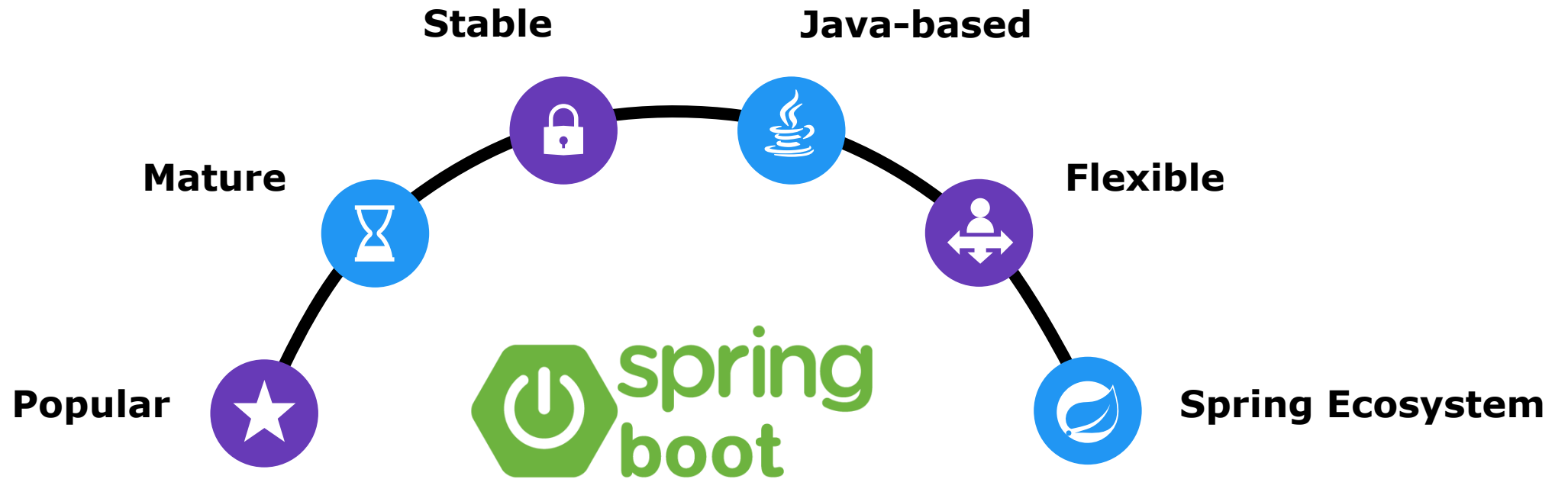
# SPRING BOOT

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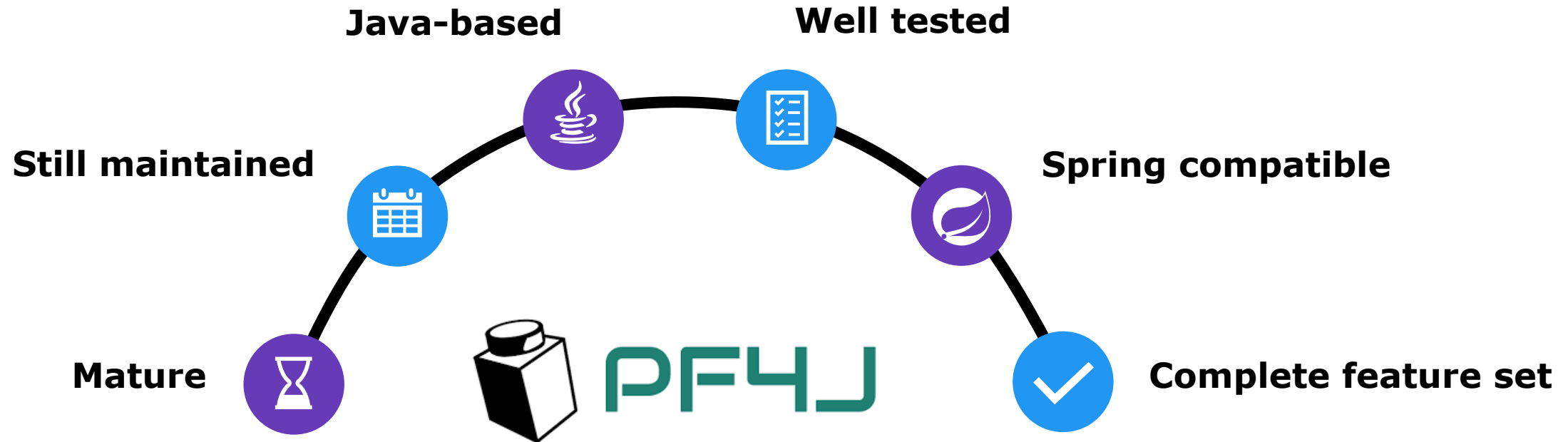
# PF4J

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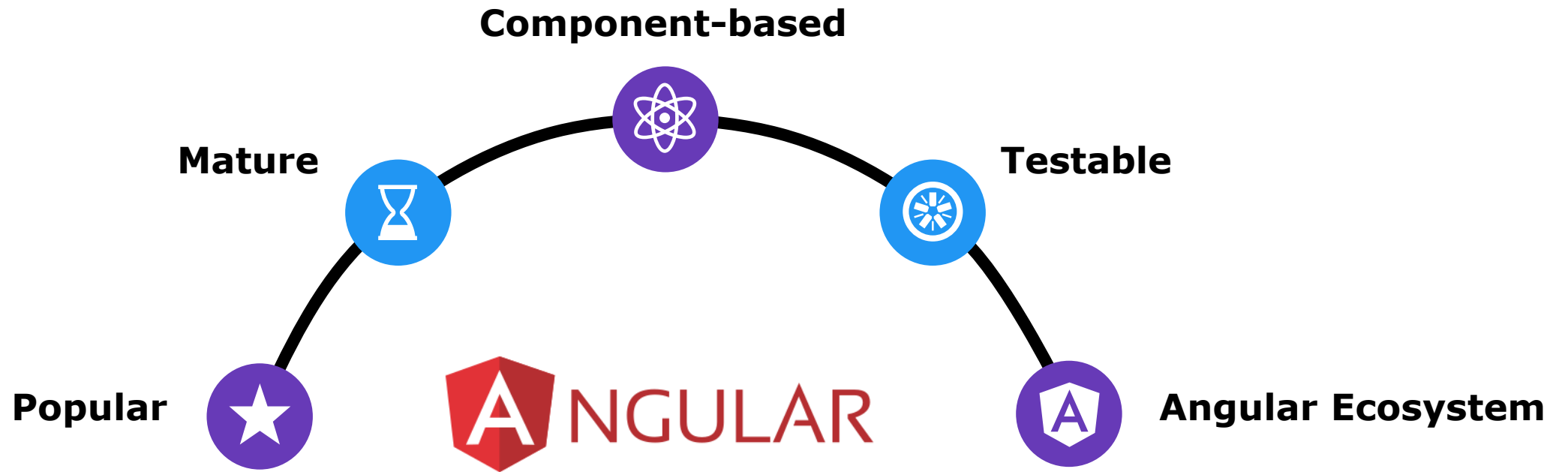
# ANGULAR

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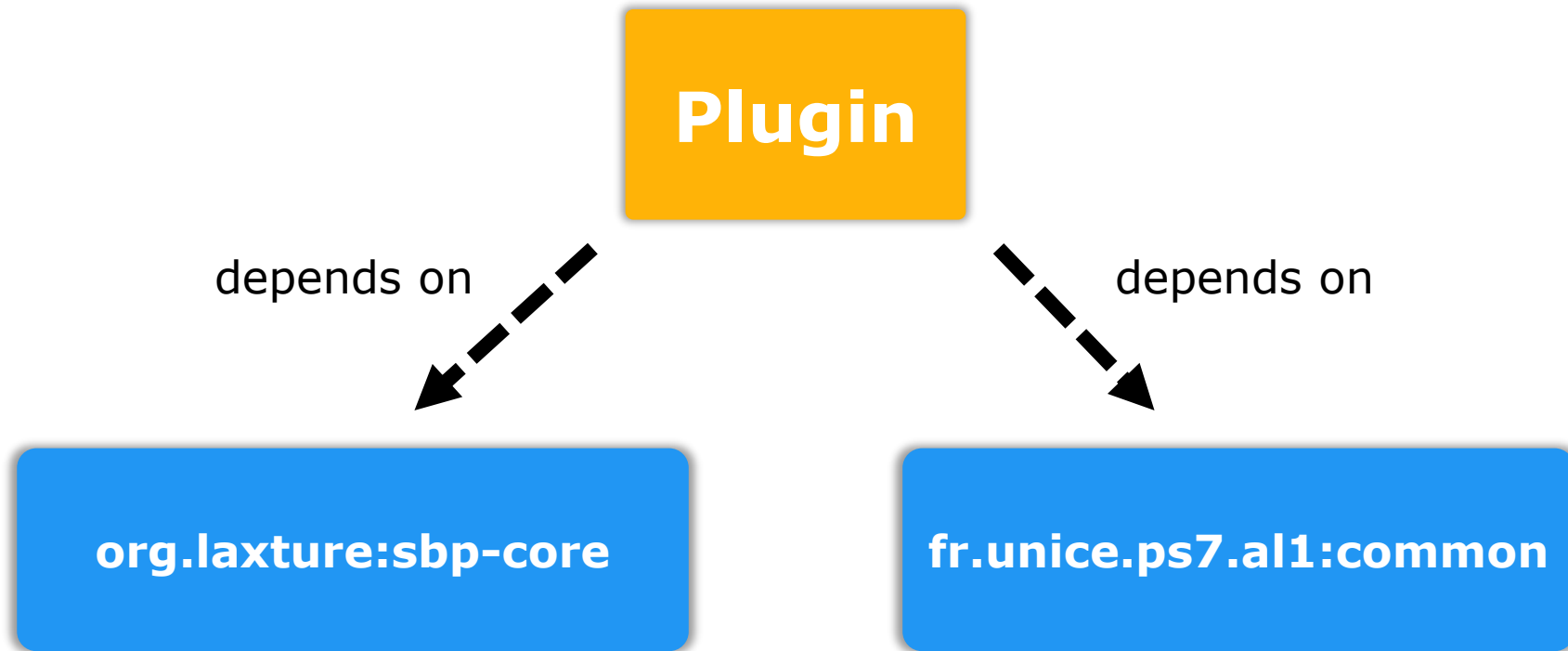
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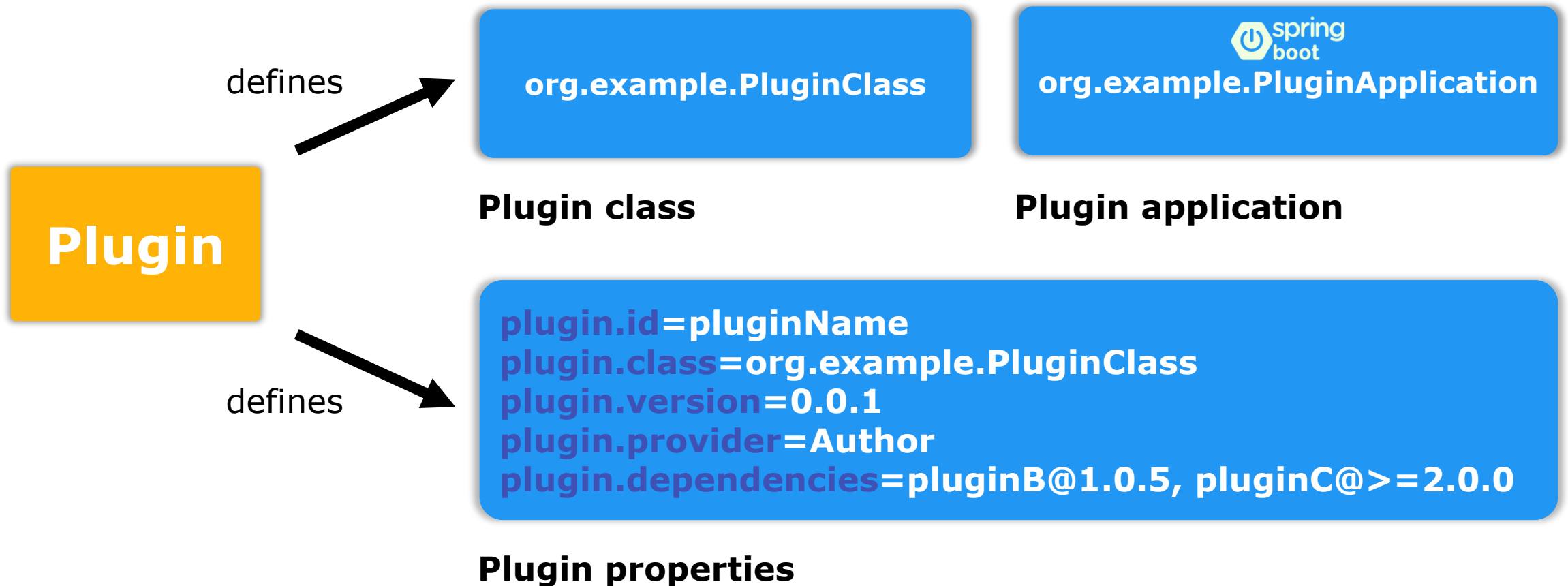
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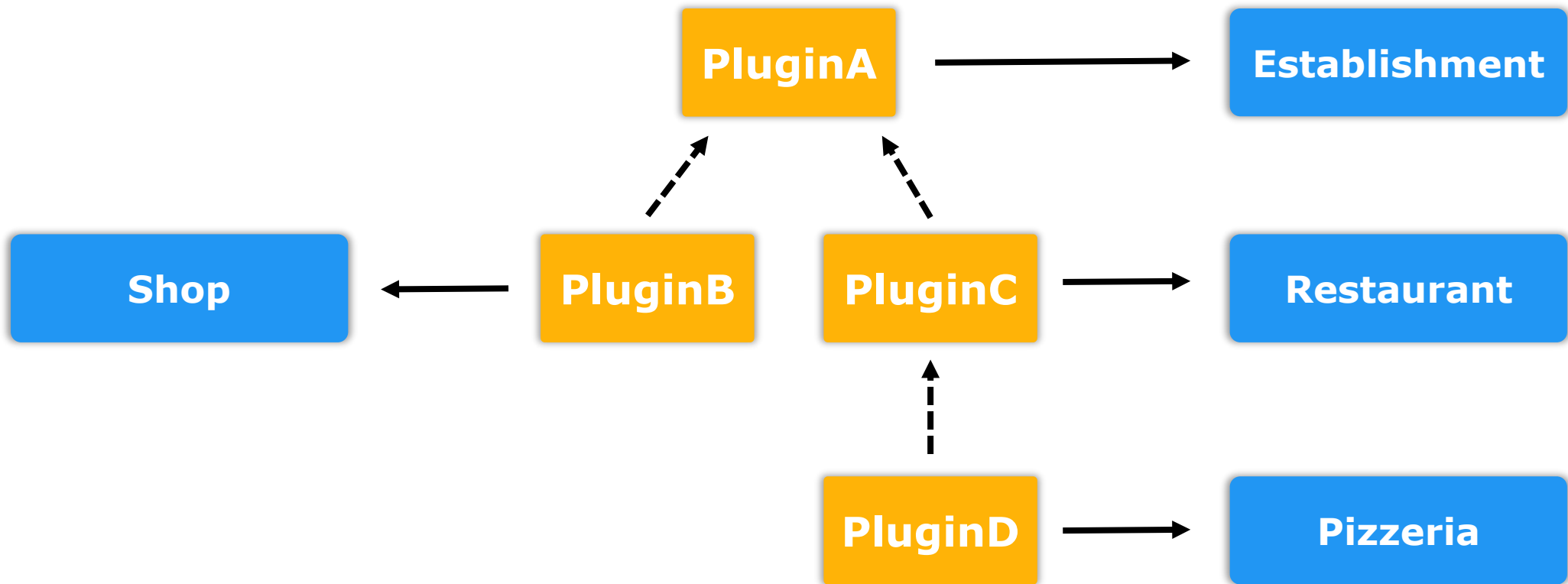
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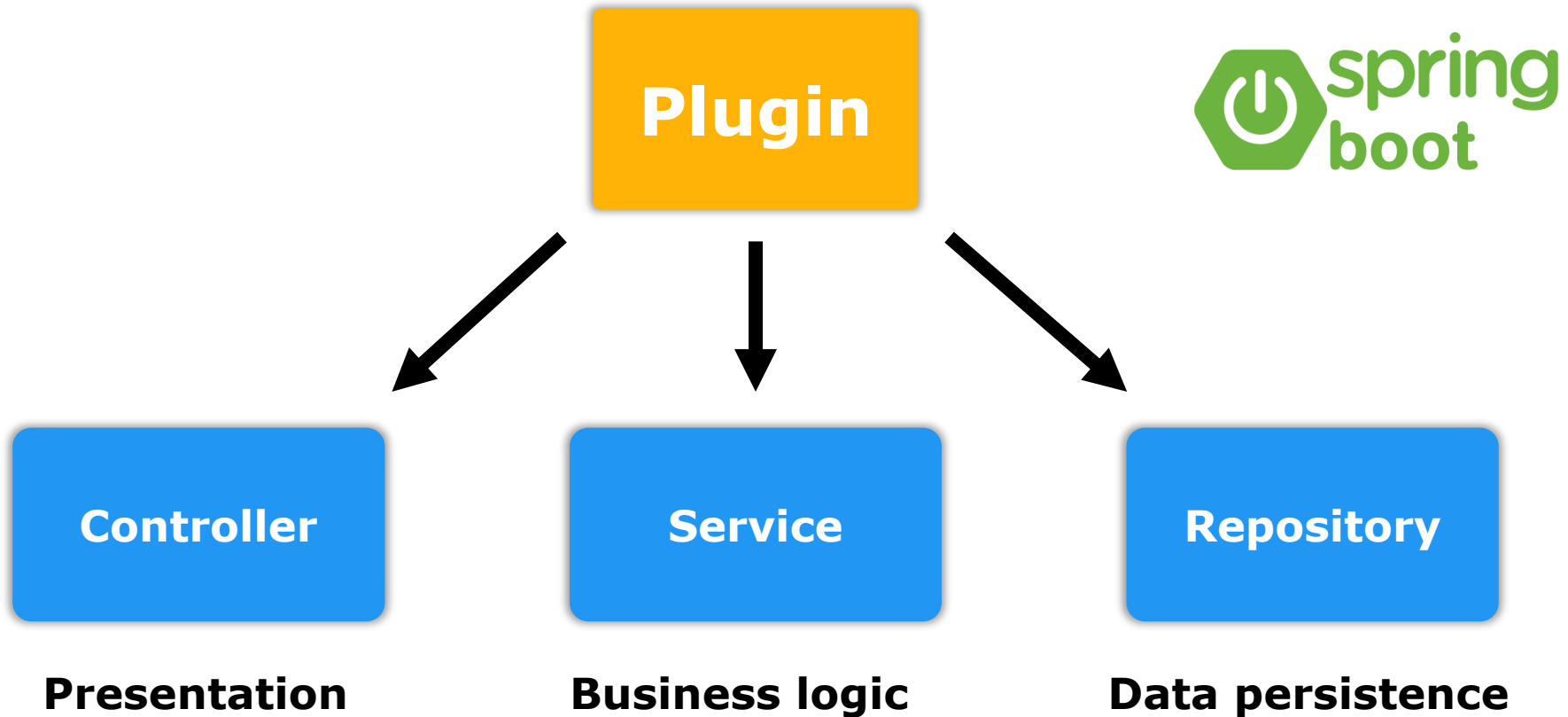
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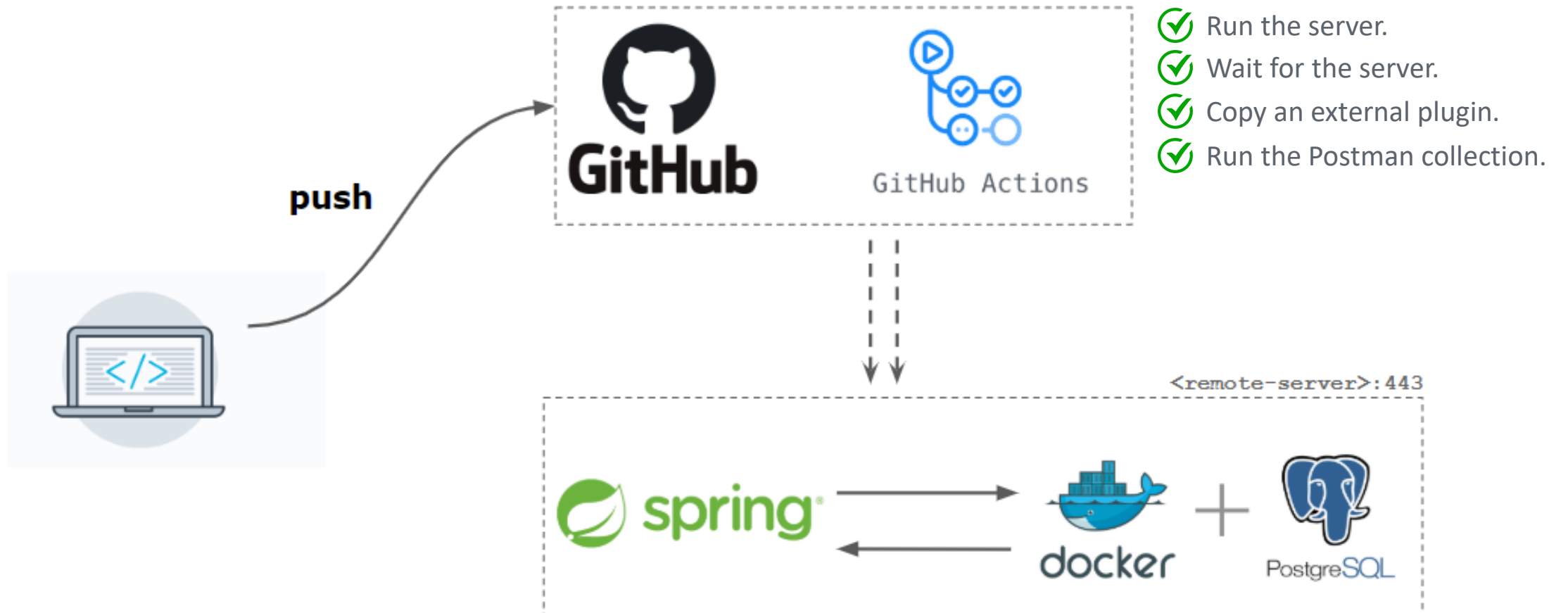
# PROJECT TESTS

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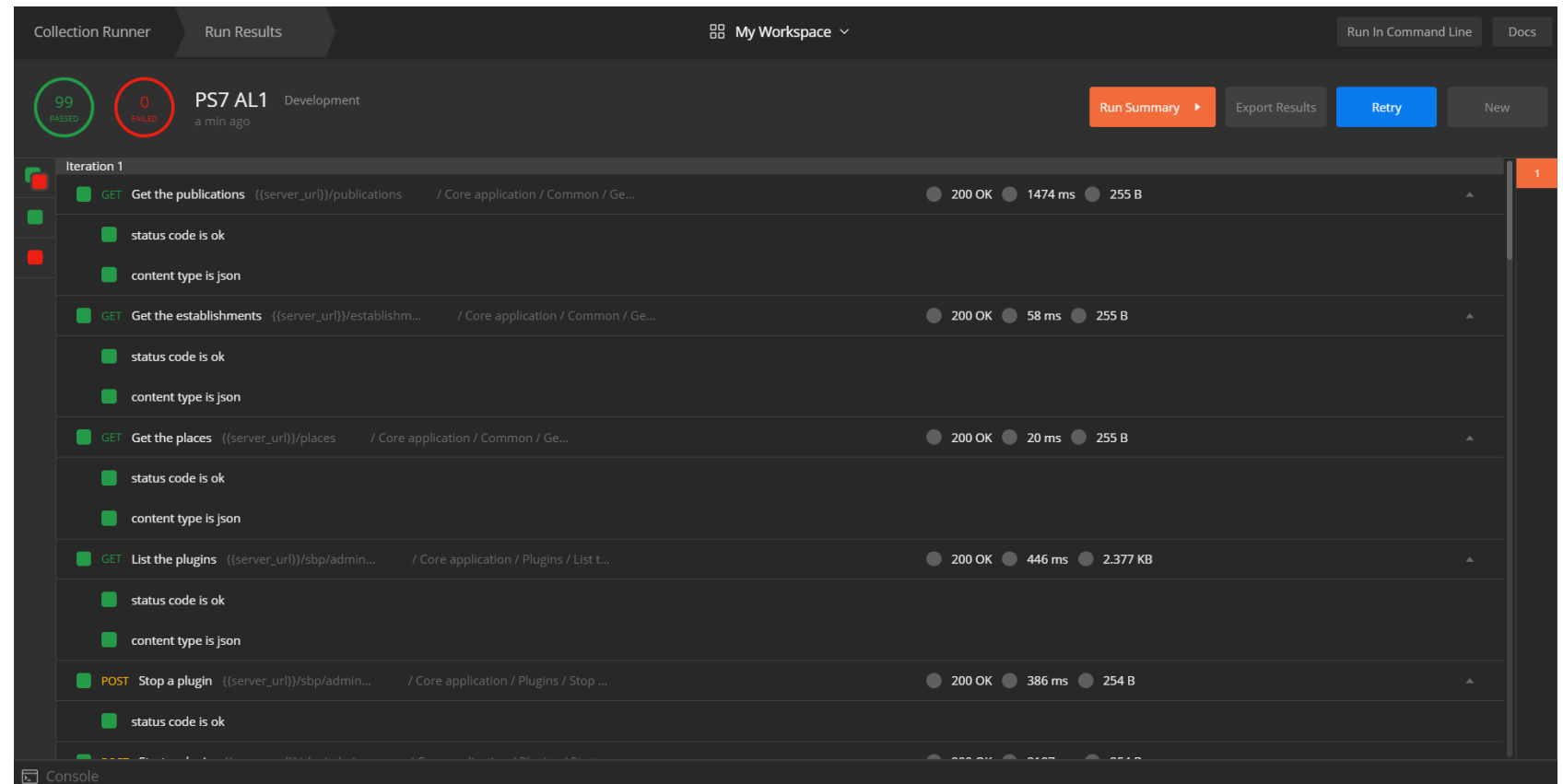
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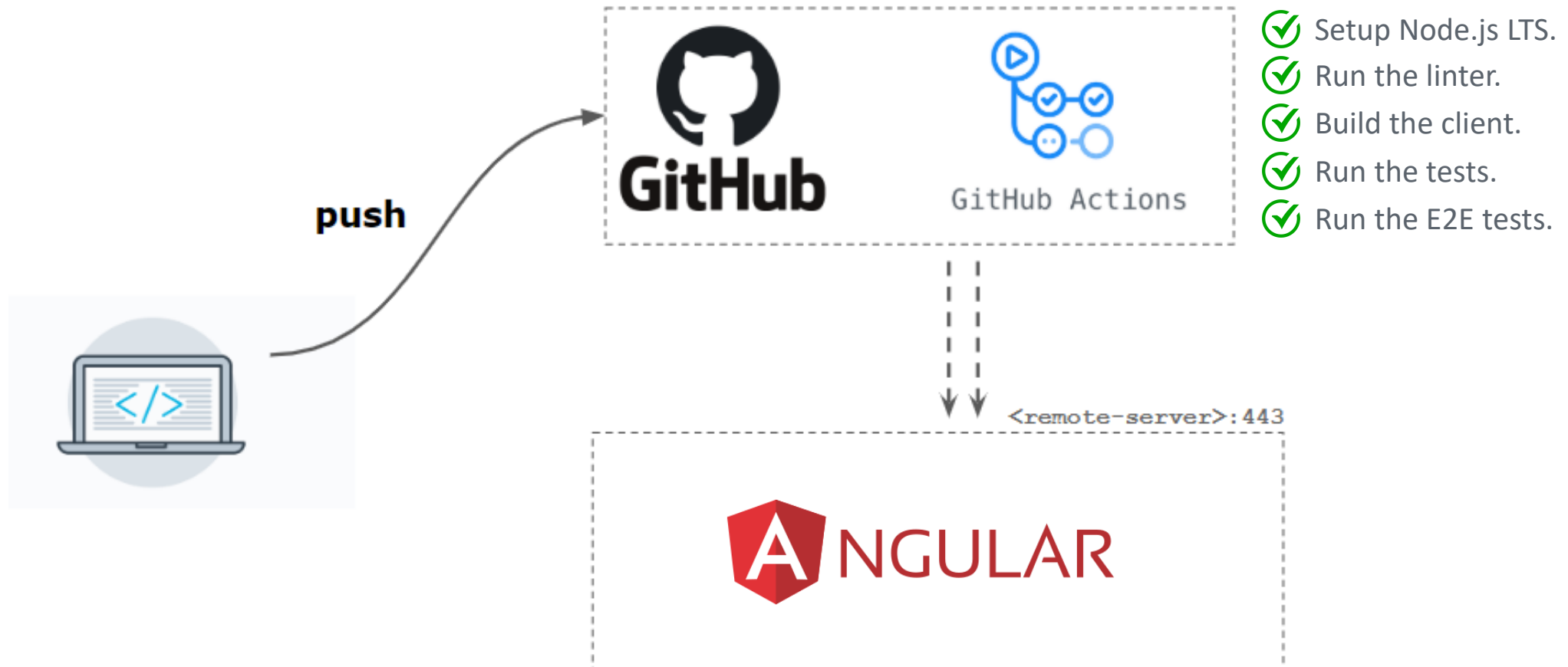
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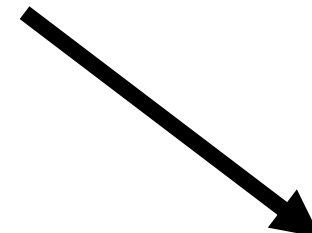
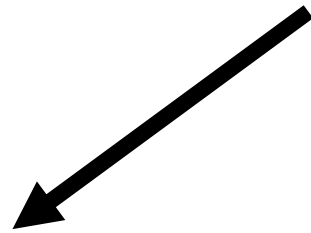
# PROJECT DEPLOYMENT

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**Databases**



**Server**



**Client**

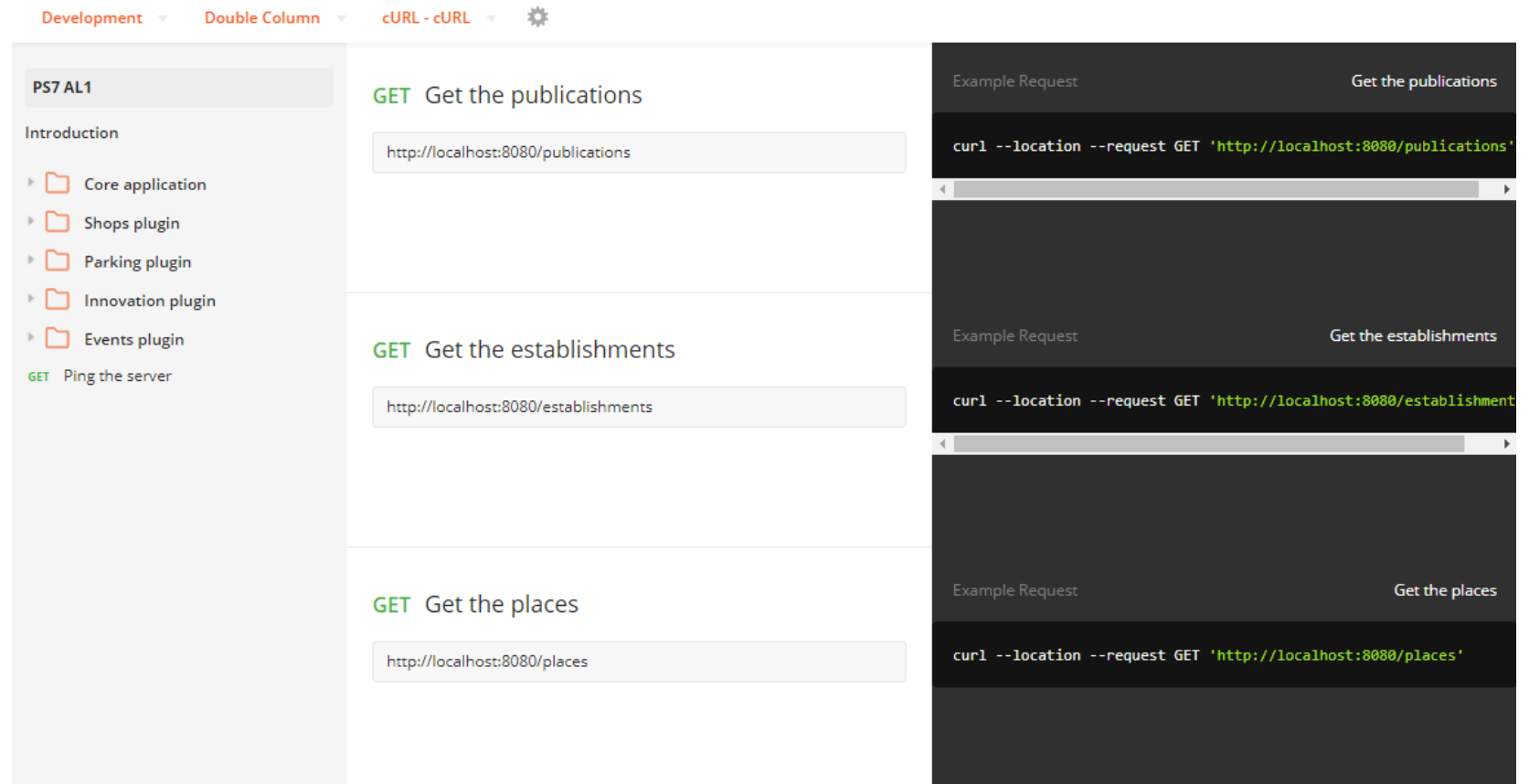
# PROJECT DOCUMENTATION

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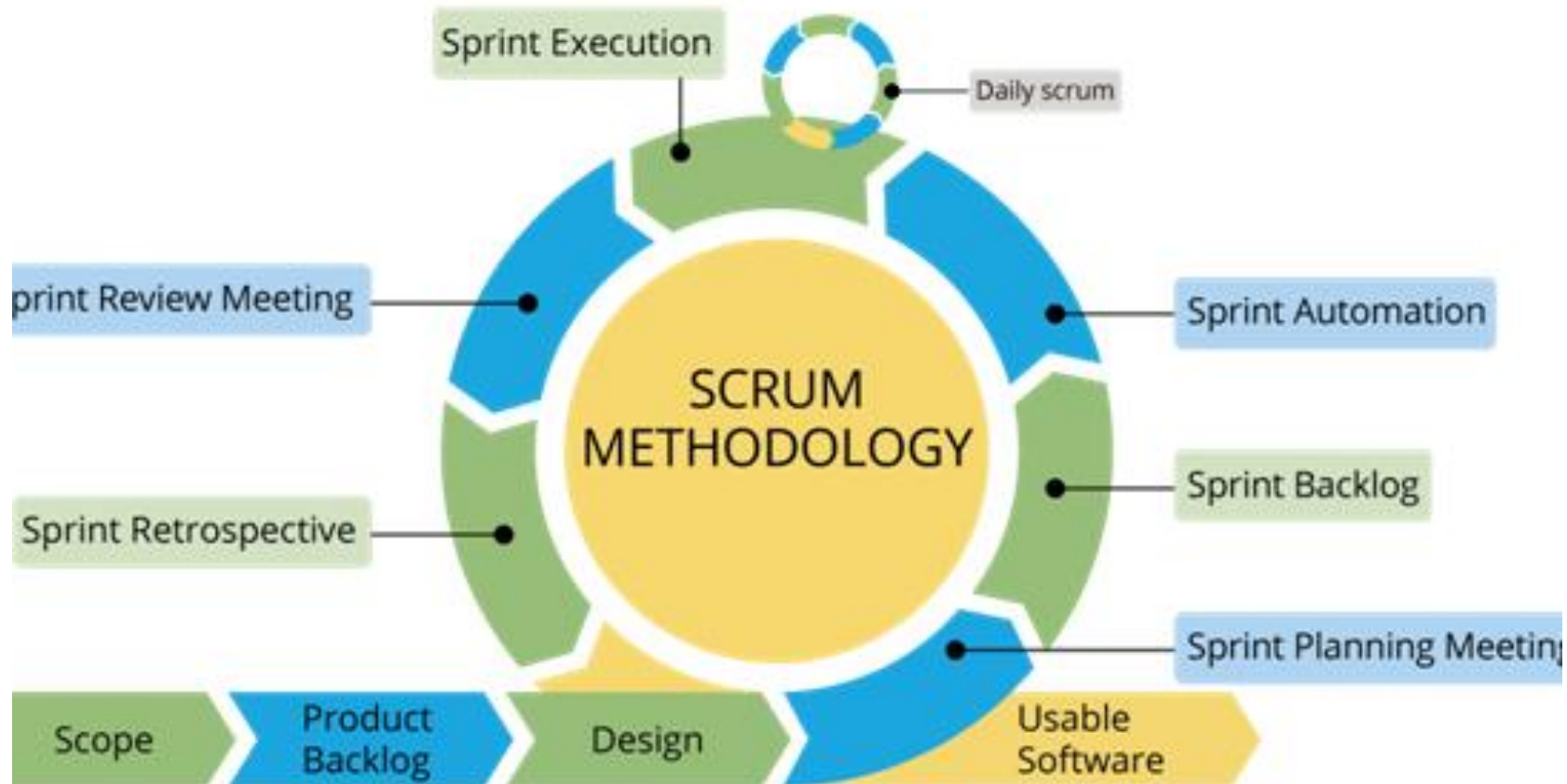
# AGILE METHODOLOGY

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**QUESTION  
TIME !**

# NEW FUNCTIONALITY



**PF4J - Update**

