

Université **IBM i**

7 novembre 2023

IBM Innovation Studio Paris

S14 – Et si SEU n'existait pas ?

Découvrez comment vsCode et Code4i peuvent vous aider dans vos tâches quotidiennes de développeur IBM i.

14:45 / 15:45

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Volubis

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 **infrasdufutur**

#ibmi

#uui2023

#infrastructuredufuturIBM23

IBM

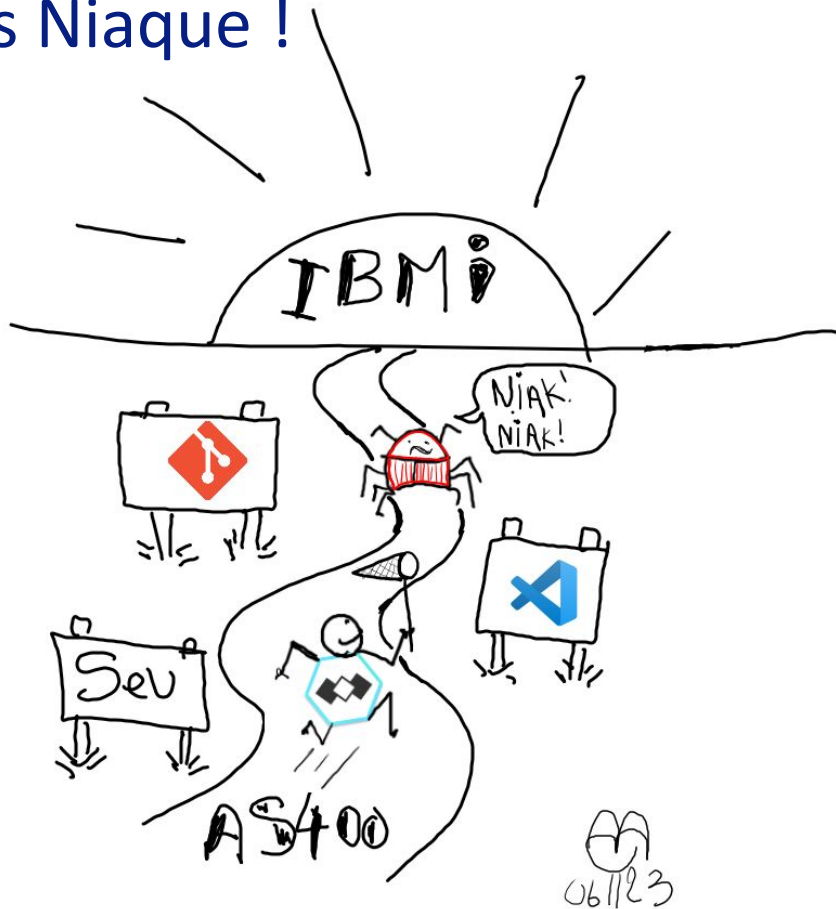
Infrastructures du futur



7 et 8 novembre 2023

IBM

Un plan Démos Niaque !



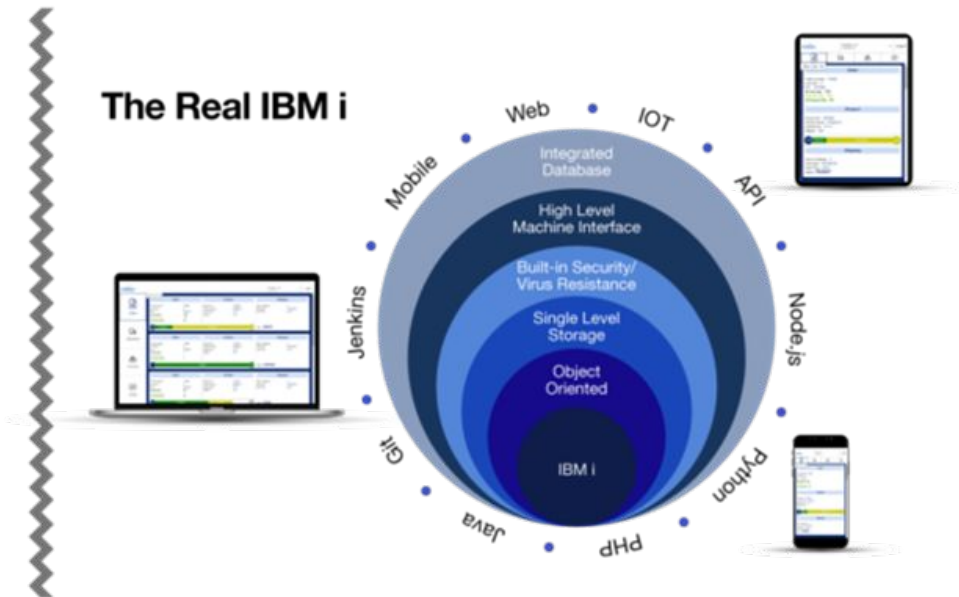
AS400 ⇒ IBM i ?

Mythical IBM i



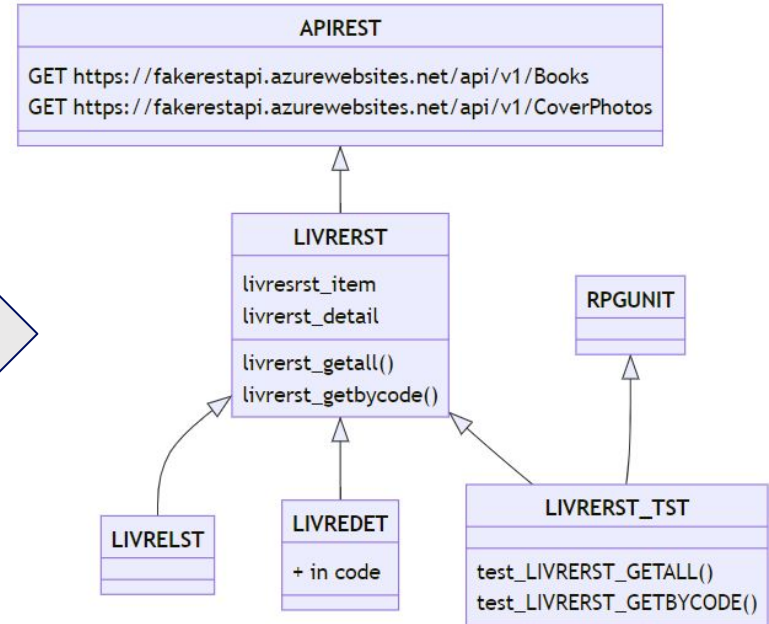
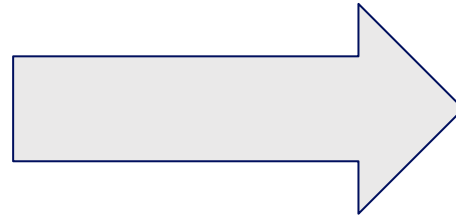
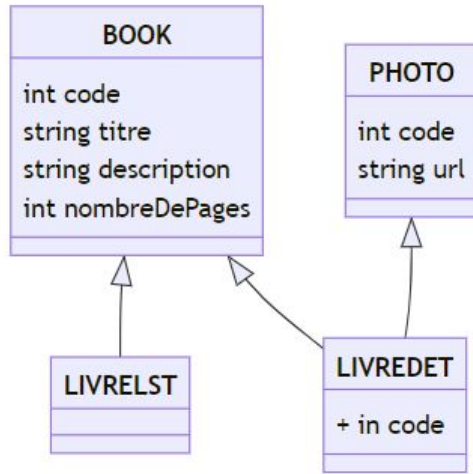
Limited to:
RPG
COBOL
CL
Green Screen

The Real IBM i

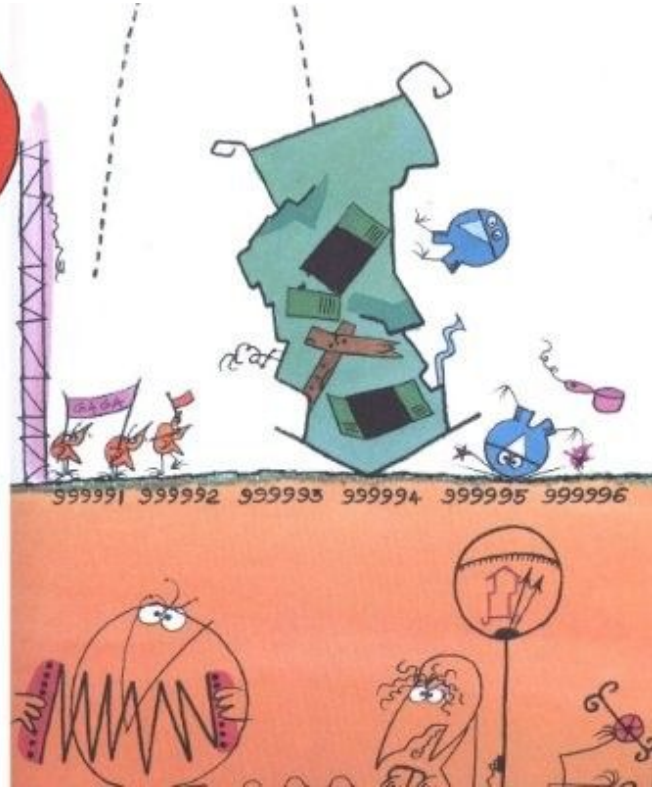
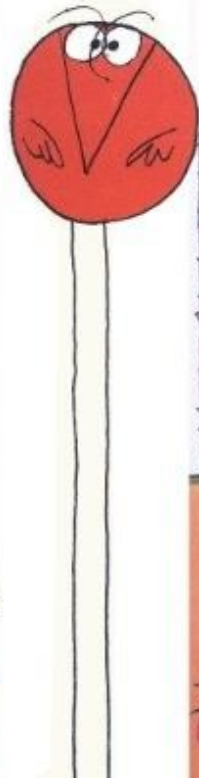
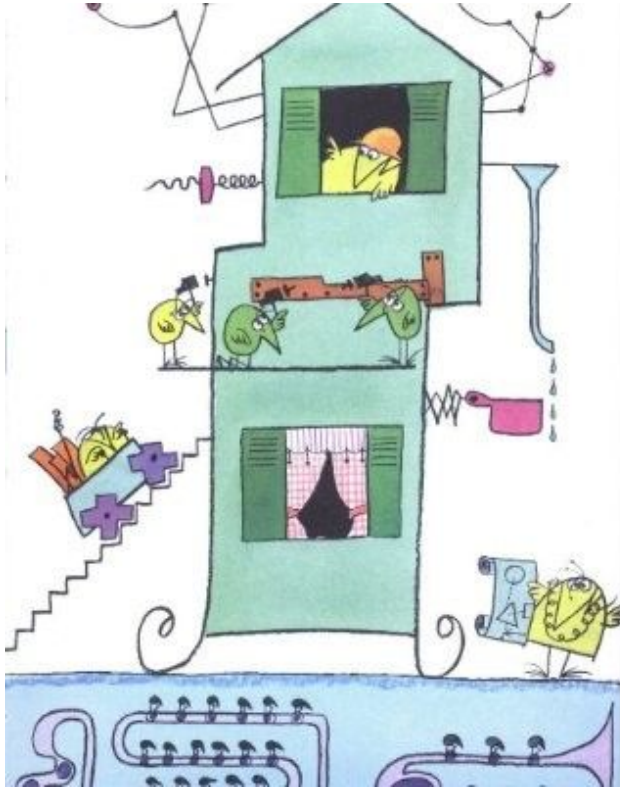


<https://www.itjungle.com/2021/10/06/every-ibm-i-shop-must-have-an-api-integration-strategy/>

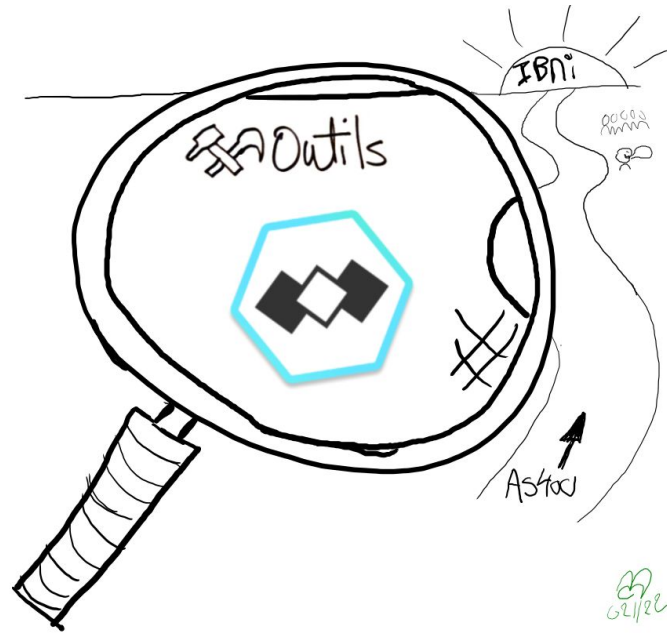
Modernisation du code.



! Danger !

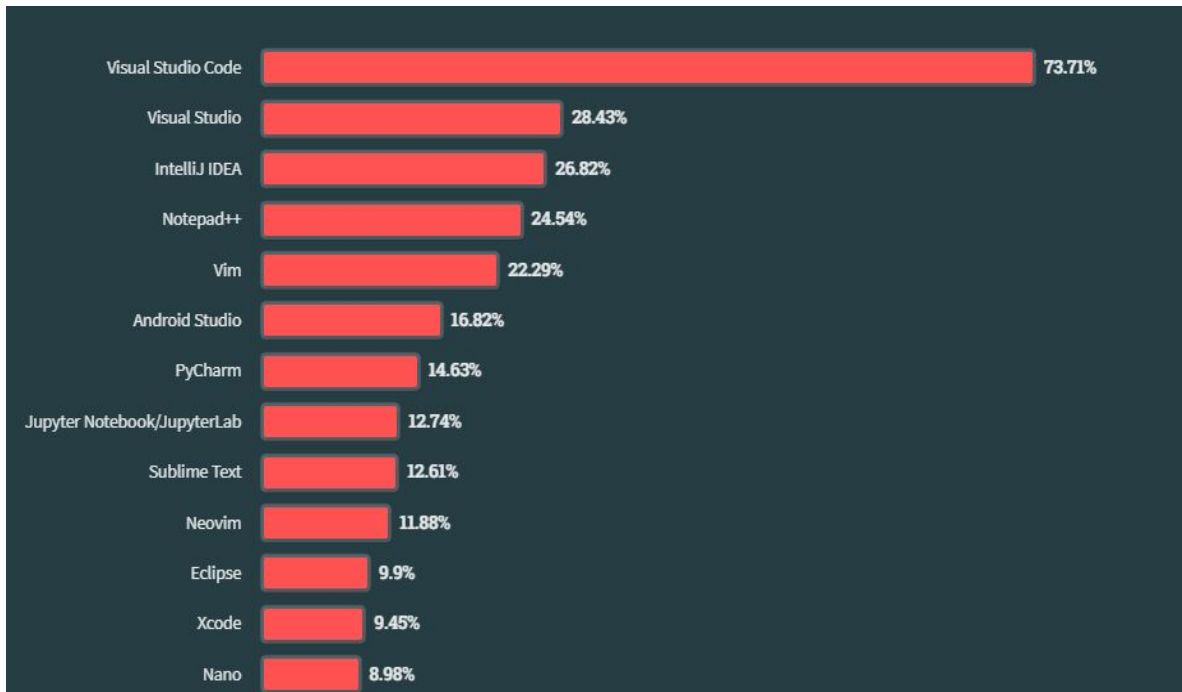


Mais il faut faire des choix....



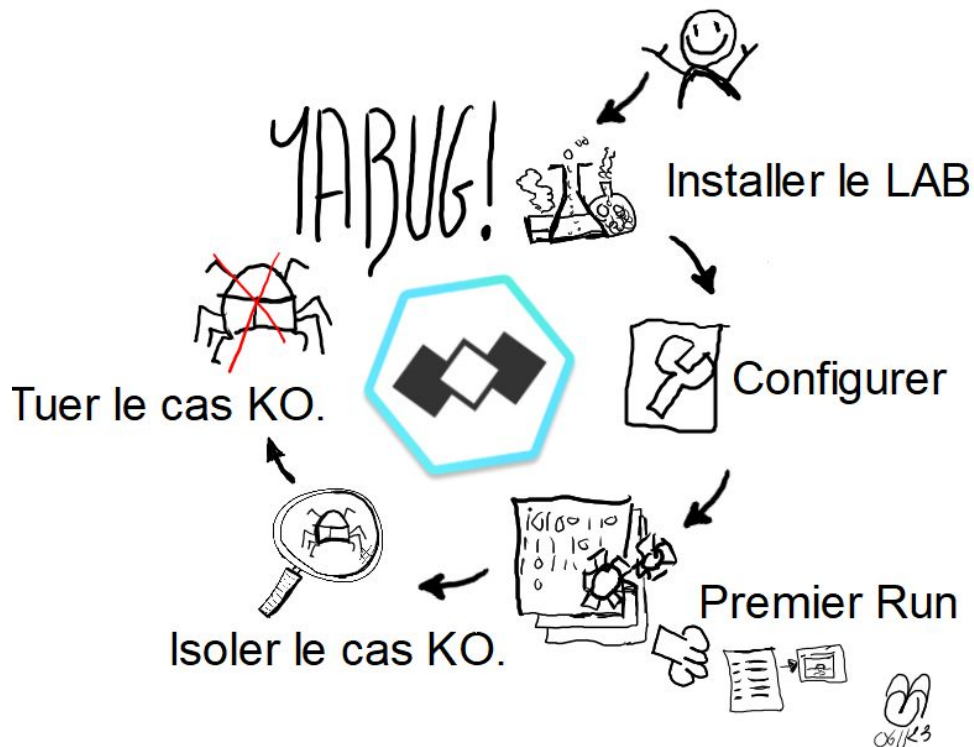
un choix partagé ?

Which development environments did you use regularly over the past year, and which do you want to work with over the next year?
[sondage stack overflows](#) 86 544 réponses



La chasse au bug !

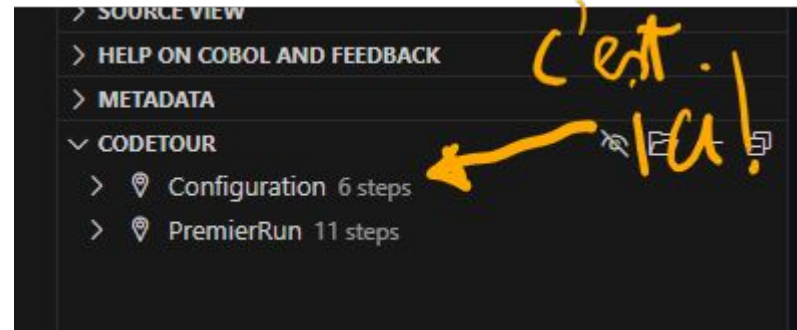
[yabug_on_github](https://github.com/yabug-on-github)



Mise en place du lab.

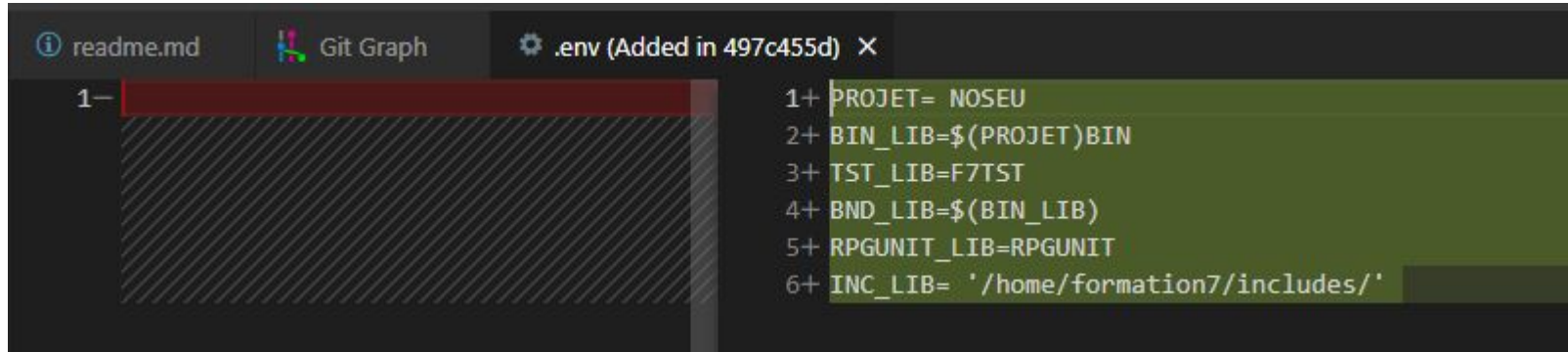
- [Readme on github](#)
- Valider les pré-requis.
 - connexion ssh profil IBMi.
 - git installé et configuré.

- Télécharger le projet de notre application depuis Github.
- Ouvrir notre projet dans Visual Studio Code.
- Entrer dans l'aventure "YABUG".



Configuration

- Créer une branche git.
- Se connecter avec votre profil à l'IBMi.
- Configurer votre connexion IBMi.
- Configurer votre environnement de projet.
- Sauvegarder votre configuration (Commit)



The screenshot shows a code editor with three tabs: 'readme.md', 'Git Graph', and '.env (Added in 497c455d) X'. The '.env' file content is as follows:

```

1+ PROJET= NOSEU
2+ BIN_LIB=$(PROJET)BIN
3+ TST_LIB=F7TST
4+ BND_LIB=$(BIN_LIB)
5+ RPGUNIT_LIB=RPGUNIT
6+ INC_LIB= '/home/formation7/includes/'

```

Premier Run.

- Déployer notre projet sur IFS dans répertoire de déploiement.
- Construire l'ensemble du projet.
- Tester le projet.
- Appeler la liste des livres.
- Appeler le détail d'un livre.

```

test.inb
src > notebook > test.inb > RUCALLTST TSTPGM(F7TST/LIVRERST) TSTPRC(*ALL)
+ Code + Markdown | ▶ Run All ≡ Clear All Outputs ...

Liste des livres

call pgm(livrelst)
[1] ✓ 3.0s
... : URL: https://fakereapi.azurewebsites.net/api/v1/.{"header": "Accept,application/json", "header": "Content-Type,application/json"}
      : HEADER: {"header": "Accept,application/json", "header": "Content-Type,application/json"}

Détail d'un livre

CALL PGM(LIVREDET) PARM('0001')
[2] ✓ 3.3s
... : URL: https://fakereapi.azurewebsites.net/api/v1/.{"header": "Accept,application/json", "header": "Content-Type,application/json"}
      : HEADER: {"header": "Accept,application/json", "header": "Content-Type,application/json"}
      : le code 1
      : le titre Book 1
  
```

Analyse du cas KO.

- Reproduction
 - swagger viewer
 - notebook => appel programme
 - sql
- Créer un test case (facultatif)
- Debug
- //fixme:

```

lancement des tests

RUCALLTST TSTPGM(F7TST/LIVRERST) TSTPRC(*ALL)
[4] ✓ 4.1s
... *** Tests of LIVRERST ***
Date       : 2023-11-06 / 09:56:43
Job        : 274592/QSECOFR/QP0ZSPWT
User       : FORMATION7
IRPGUnit   : v3.2.0
IBM i     : V7R4M0
Cur. library: FORMATION7
Library list: 10 QGPL
              20 QTEMP
              30 FORMATION7
              40 F7TST
              50 RPGUNIT
Success. 3 test cases, 5 assertions, 0 failure, 0 error.
  
```

The image shows a Swagger Preview window for an API endpoint. The request is a GET call to `https://fakereapi.azurewebsites.net/api/v1/CoverPhotos/books/covers/101` with the header `accept: text/plain; v=1.0`. The server response is a 200 status code with a JSON body containing book cover information and a URL to a placeholder image.

Responses

Request

```
curl -X 'GET' \
  'https://fakereapi.azurewebsites.net/api/v1/CoverPhotos/books/covers/101' \
  -H 'accept: text/plain; v=1.0'
```

Request URL

```
https://fakereapi.azurewebsites.net/api/v1/CoverPhotos/books/covers/101
```

Server response

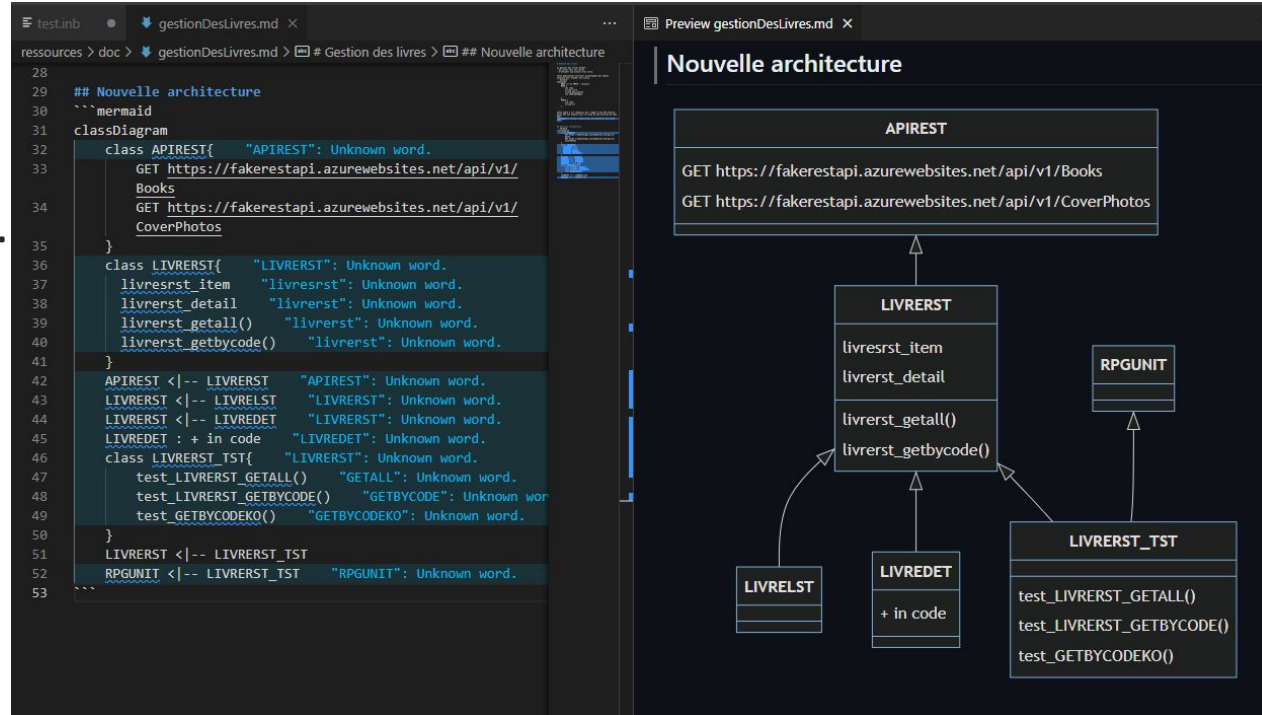
Code	Details
200	<p>Response body</p> <pre>{ "id": 101, "idBook": 101, "url": "https://placeholderit.imgix.net/~text?txtsize=33&txt=Book_101&w=250&h=350" }</pre> <p>Response headers</p> <pre>content-type: application/json; charset=utf-8; v=1.0</pre>

Responses

Code	Description	Links
200	Success	No links

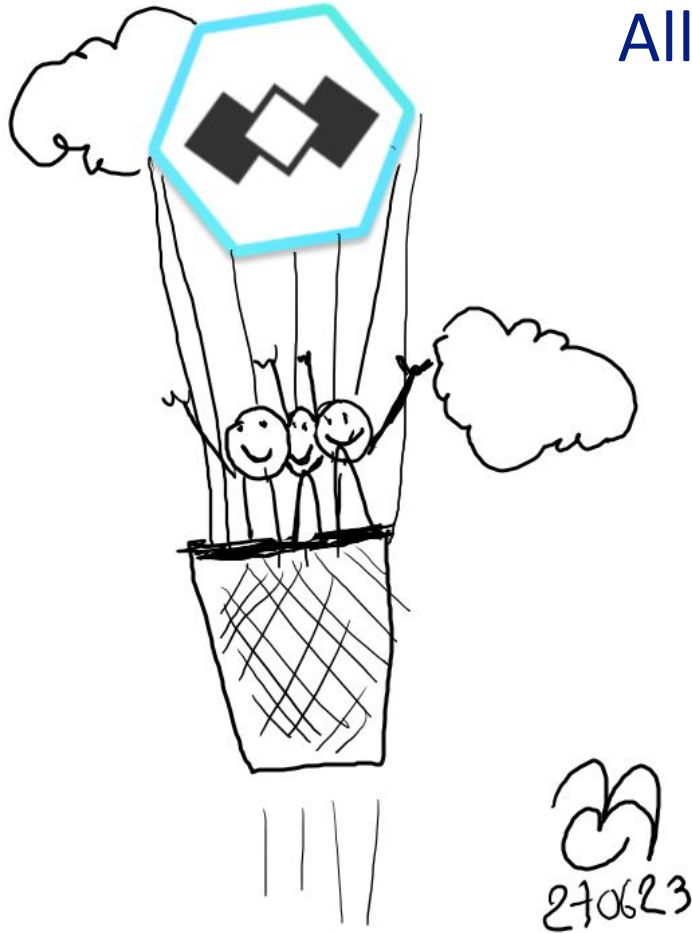
Correction du cas KO.

- ? FIXME:
- modif du source.
- build unitaire
- Test unitaire via action.
- modif doc
- build all
- test all
- commit
- merge ⇒ main





Aller plus Haut ...



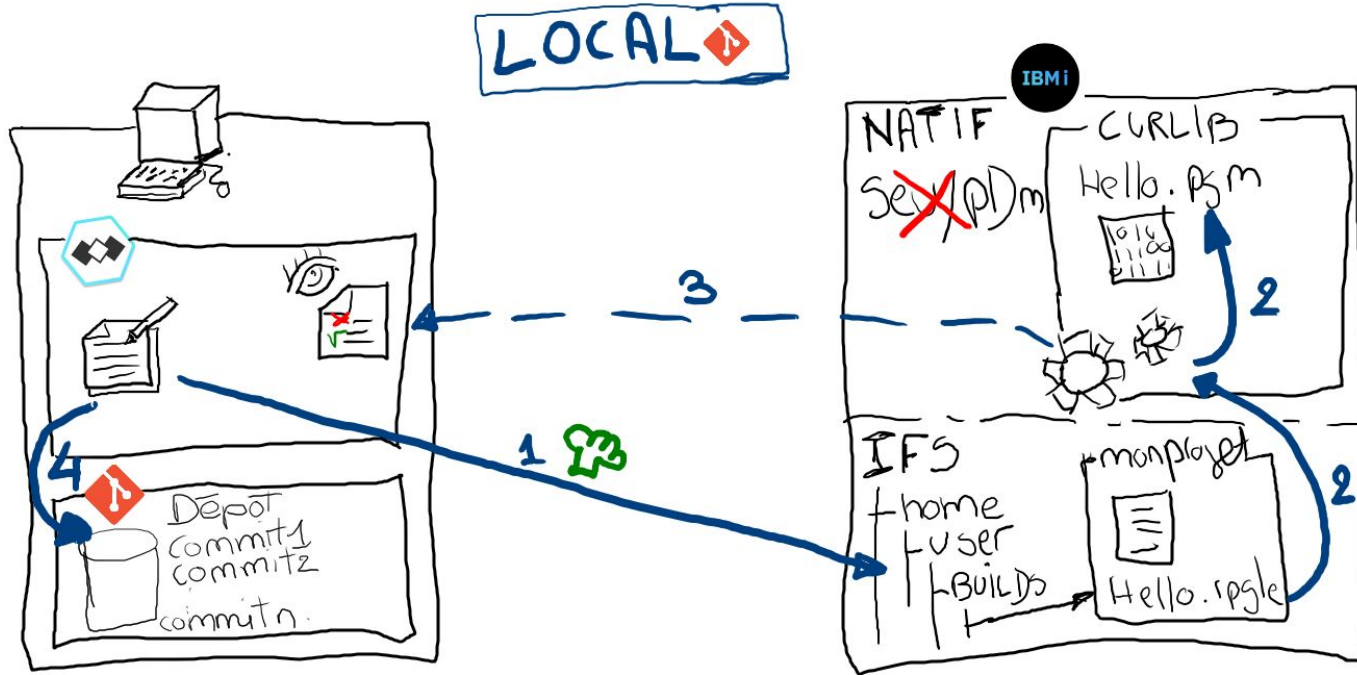
- [visual studio code](#)
- [code for IBMi](#)
 - [documentation](#)
 - [youTube playlist](#)
- [git](#)
- [acs](#)
- [iRpgUnit](#)
- [gMake](#)
- [un compte gratuit sur IBMi avec PUB400](#)
- [API fakeRest](#)
- [Les routes de l'IBMi.](#)
- [Volubis](#)

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18/11/22

code local run global



17/02/22

