

Changements effectués sur l'hébergeur Heroku



1. Introduction

Ce document décrit les configurations appliquées sur l'hébergeur **Heroku** dans le cadre du projet **LEGARANT – Intégration AXG & Application mobile SOCMOB**.

Objectifs :

- Décrire les environnements **Staging** et **Production**.
- Documenter les add-ons, variables, mappings et paramètres de sécurité.
- Servir de référence pour la maintenance, les audits et la mise en production.

2. Environnements Heroku

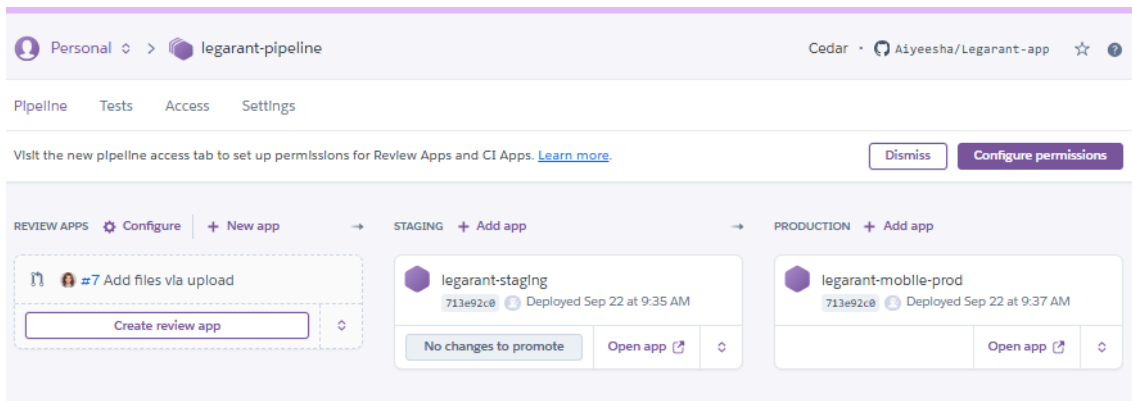
Applications créées

Environnement	Nom de l'application	Objectif
Staging	legarant-staging	Connectée à la sandbox Salesforce pour les tests.
Production	legarant-mobile-prod	Connectée à l'org Salesforce PROD, utilisée par les assureurs.

Pipeline

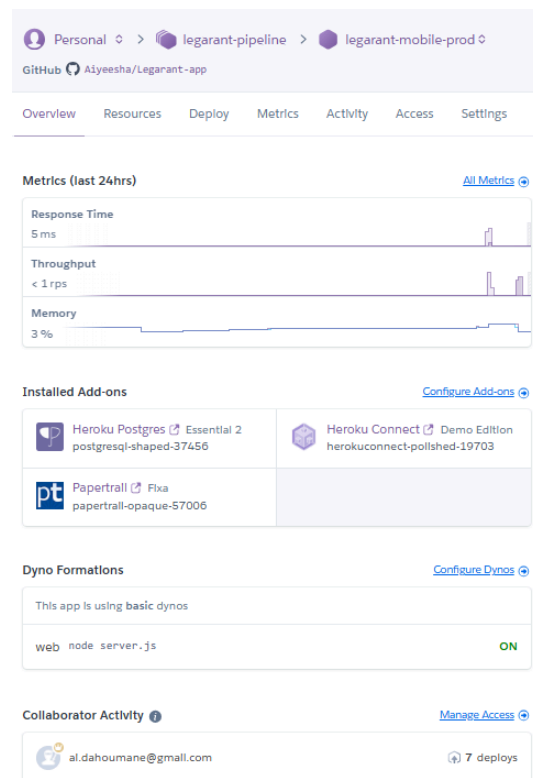
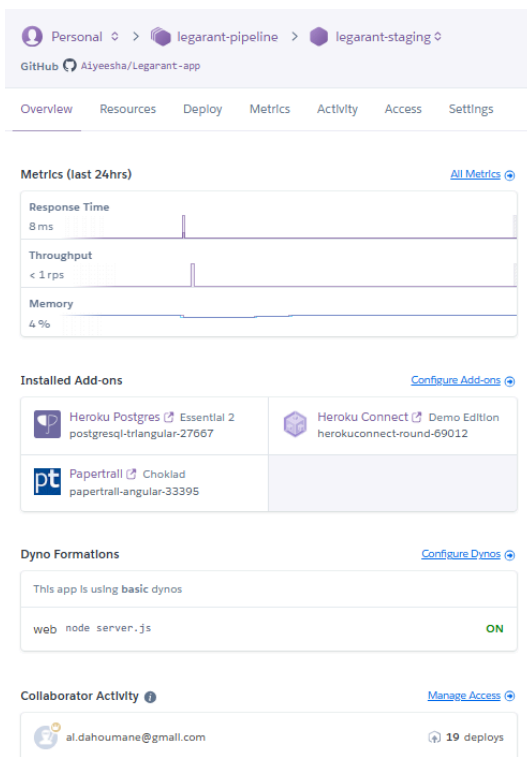
Une **pipeline Heroku** lie les deux apps :

- **Staging** pour validation fonctionnelle.
- **Production** pour déploiement final.



3. Add-ons configurés

Add-on	Plan	Rôle
Heroku Postgres	Essential-2	Stockage des données synchronisées via Heroku Connect.
Heroku Connect	Demo Edition	Synchronisation Salesforce ↔ PostgreSQL.
Papertrail	Free/Choklad ou Fixa	Centralisation et suivi temps réel des logs applicatifs.



4. Dynos et Procfile

- **Dyno Web** : 1 dyno (Basic).
- **Procfile** :

web: node server.js

- Lancement de l'API SOCMOB (Express + Postgres).

The screenshot displays the SOCMOB Console interface with a dark theme. It features several sections for API management:

- Healthcheck:** Includes a 'Tester l'API' button.
- Créer un Compte (POST /account):** A form with fields for 'Account Name', 'External Id' (pre-filled with 'AXG-ACCT-10001'), 'Téléphone', and 'Billing City'. It also has an 'Actif' checkbox and a 'Créer l'Account' button.
- Auto-inscription (POST /register):** A form with fields for 'First Name', 'Last Name', 'Email', 'Mobile', and 'Account External Id (optionnel)' (pre-filled with 'AXG-ACCT-10001'). It includes a 'Créer le contact' button.
- Modifier un Contact (PATCH /contact/externalId):** A form with fields for 'External Id (AXG_Contact_Id_c)' (pre-filled with 'AXG-2000001') and 'FirstName'.

5. Variables d'environnement (Config Vars)

Variables configurées par app :

Variable	Description	Developpement / Staging	Production
ALLOWED_ORIGINS	CORS autorisés	*	https://legarant-mobile-prod-bc96c9c79ec1.herokuapp.comhttps://legarant-mobile-prod.herokuapp.com,https://web.postman.com
DATABASE_URL	Connexion Postgres (auto)	postgres://...	postgres://...
SF_CLIENT_ID	OAuth Connected App	3*****	4*****
SF_CLIENT_SECRET	Secret OAuth	*****	*****
SF_INSTANCE_URL	Instance Salesforce	https://test.salesforce.com	https://Login.salesforce.com
SF_USERNAME	User intégration	jeandup.axg@legarant.com.dev	
SF_PASSWORD	Password intégration	*****	
SF_SECURITY_TOKEN	Token Salesforce	*****	

Region	Europe
Stack	heroku-24
Frameworks	Node.js
GitHub Repo	Aliyasha/Legarant-app
Heroku Git URL	https://git.heroku.com/legarant-mobile-prod.git
Generation	Cedar

Buildpacks

Buildpacks are scripts that are run when your app is deployed. They are used to install dependencies for your app and configure your environment. [Find new buildpacks on Heroku Elements](#)

Add buildpack	
heroku/nodejs	X

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some addons come with their own.

Hide Config Vars		
Key	Value	
ALLOWED_ORIGINS	https://legarant-mobile-prod-bc96c9c79ec1	X
DATABASE_URL	postgres://u8cks5nb2rkvcgn:p41300a76fa732d	X
NODE_ENV	production	X
SF_API_VERSION	v64.0	X
SF_CLIENT_ID	3MVG9k0zhqhyUgQ89xxqbotQ8prfVgtGigyp18x_R1	X
SF_CLIENT_SECRET	DD93805EF7424FB0873D15B1FBA0738C0CD0FFFB3	X
SF_INSTANCE_URL	https://legarant-e-dev-ed.develop.my.sale	X
SF_LOGIN_URL	https://legarant-mobile-prod-bc96c9c79ec1	X

Environnement Production

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some addons come with their own.

Hide Config Vars		
Key	Value	
ALLOWED_ORIGINS	https://legarant-staging.herokuapp.com,ht	X
DATABASE_URL	postgres://u782978tbjtg96:pae8e5cf37bfde2f	X
NODE_ENV	development	X
SF_API_VERSION	v64.0	X
SF_CLIENT_ID	3MVG9k0zhqhyUgQ89xxqbotQ8pdmfITVnKRLjed2g	X
SF_CLIENT_SECRET	3MVG9k0zhqhyUgQ89xxqbotQ8pdmfITVnKRLjed2g	X
SF_INSTANCE_URL	https://legarant-e-dev-ed.develop.my.sale	X
SF_LOGIN_URL	https://test.salesforce.com	X
SF_PASSWORD	Yam1na1917	X
SF_SECURITY_TOKEN	YLo2h070nnM8sF59grXton6rJ	X
SF_USERNAME	jeandup.axg@legarant.com.dev	X
KEY	VALUE	Add

Environnement sandbox

Différence clé :

- Client id & client secret différent selon environnement
- différentes data base

- En prod on utilise <https://legarant-e-dev-ed.develop.my.salesforce.com> donc pas besoins des infos User

6. Mapping Heroku Connect

Objets synchronisés :

Objet Salesforce	Mode	Commentaire
Account	Read/Write	Gestion comptes (AXG_Account_Id__c).
Contact	Read/Write	Gestion contacts (AXG_Contact_Id__c).
Contract	Read/Write	Gestion contrats (AXG_Contract_Id__c).
Order	Read only	Lecture commandes.
OrderItem	Read only	Détails commandes.
Product2	Read only	Catalogue produits.
Pricebook2	Read only	Référentiel Pricebooks.
PricebookEntry	Read only	Lignes de prix.

7. Code source déployé

- **server.js** : API REST (Express, CORS, endpoints Accounts/Contacts/Contracts/Orders/Products).
- **index.html / app.js** : console front-end pour tests.
- **styles.css** : design simple (dark mode).
- **package.json** : Node.js 18+, dépendances `express`, `pg`.

8. Sécurité

- **HTTPS** activé par défaut (certificat Heroku).
- **Authentification Salesforce** : OAuth 2.0 via deux Connected Apps (`Legarant_AXG_ConnectedApp` et `Legarant_AXG_ConnectedApp_Prod`).
 - **Mode recommandé en production** : Client Credentials Flow (server-to-server).
 - **Mode PoC** : Username-Password Flow (pour Postman uniquement).
- **Sécurité Heroku** :
 - Variables d'environnement utilisées (aucune clé en clair dans le code) :
 - `DATABASE_URL` (Postgres).
 - `ALLOWED_ORIGINS` (CORS, en production → domaine app mobile uniquement).
 - `PORT` (attribué par Heroku).
 - Logs activés (Heroku Logs / Papertrail).
- **Bonnes pratiques respectées** :
 - Utilisation d'**External Ids uniques** (`AXG_*__c`) pour opérations upsert.

- **Soft delete** des contacts (`Active__c=false` , pas de `DELETE`).
- Endpoints batch (Salesforce Composite API) pour limiter les appels.

9. URLs & logs

Environnement	URL publique	Logs
Staging	<code>https://legarant-staging-...herokuapp.com</code>	Papertrail activé
Production	<code>https://legarant-mobile-prod-...herokuapp.com</code>	Papertrail activé

```

Sep 29 11:59:52 legarant-mobile-prod heroku/router at-info method=GET path="/" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=dd32b762-4b33-573a-e0fa-e3f2a7280f8 fwd="176.186.30.214" dyno=web.1 connect=0ms service=120ms status=200 bytes=9884 protocol=http.1
tli_version=unknown
Sep 29 11:59:52 legarant-mobile-prod heroku/router at-info method=GET path="/styles.css" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=918a6d88-8090-6938-42cf-d817528431f8 fwd="176.186.30.214" dyno=web.1 connect=0ms service=2ms status=200 bytes=1998 protocol=
tli_version=unknown
Sep 29 11:59:53 legarant-mobile-prod heroku/router at-info method=GET path="/assets/logo.png" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=def77823f-5e04-8968-7488-c6f483f0bdc fwd="176.186.30.214" dyno=web.1 connect=0ms service=3ms status=200 bytes=13188
protocol=http.1 tli=true tli_version=unknown
Sep 29 11:59:53 legarant-mobile-prod heroku/router at-info method=GET path="/app.js" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=f3c46ad-5aff-ed29-9b87-2148831c27f5 fwd="176.186.30.214" dyno=web.1 connect=0ms service=2ms status=200 bytes=8551 protocol=http.
tli_version=unknown
Sep 29 11:59:53 legarant-mobile-prod heroku/router at-info method=GET path="/favicon.ico" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=bdd46de77-8b5d-6d6f-8778-8c7d7379a335 fwd="176.186.30.214" dyno=web.1 connect=0ms service=2ms status=200 bytes=13188 proto
tli=true tli_version=unknown
Sep 29 11:59:54 legarant-mobile-prod heroku/router at-info method=GET path="/health" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=99f993d-935f-da68-fa15-963ac70ba980 fwd="176.186.30.214" dyno=web.1 connect=0ms service=3ms status=200 bytes=2 protocol=http.
tli_version=unknown
Sep 29 12:00:10 legarant-mobile-prod heroku/router at-info method=POST path="/account" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=6e9ad778-cd4d-91d8-15b8-3f84ccdcab8 fwd="176.186.30.214" dyno=web.1 connect=0ms service=146ms status=201 bytes=116 protocol=
tli=true tli_version=unknown
Sep 29 12:00:11 legarant-mobile-prod app/herokuconnect event="1 Account INSERT $SALESFORCE 1 row, total (0.81 secs) [50M]" addn_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 app_name=legarant-mobile-prod object_type=sync object_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 state=POLLING
level=info
Sep 29 12:00:13 legarant-mobile-prod app/herokuconnect event="Account, Streaming poll found 1 changes" addn_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 app_name=legarant-mobile-prod object_type=sync object_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 state=POLLING
level=info
Sep 29 12:00:13 legarant-mobile-prod app/herokuconnect event="Account, Streaming poll found 1 changes" addn_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 app_name=legarant-mobile-prod object_type=sync object_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 state=POLLING
level=info
Sep 29 12:00:13 legarant-mobile-prod app/herokuconnect event="Account UPDATE $DATABASE 1 row (0.83 secs)" addn_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 app_name=legarant-mobile-prod object_type=sync object_id=1f9a71e7-b11e-44d9-8768-ef4e919ba338 object_name=Account state=IDLE
level=info
Sep 29 12:01:01 legarant-mobile-prod heroku/router at-info method=POST path="/register" host=legarant-mobile-prod-bc96c9c79ec1.herokuapp.com request_id=6811a8d-8c43-4777-c859-ba8077362b1a fwd="176.186.30.214" dyno=web.1 connect=0ms service=31ms status=201 bytes=159 protocol=
tli=true tli_version=unknown

```

Log prod

```

state=POLLING_3f_00MM5 level=error
Sep 29 12:00:13 legarant-staging app/herokuconnect event="Account, Streaming poll found 1 changes" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Account state=POLLING_3f_00MM5
level=info
Sep 29 12:00:13 legarant-staging app/herokuconnect event="Account QUERY $SALESFORCE 1 row (0.28 secs)" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Account state=IDLE level=info
Sep 29 12:00:13 legarant-staging app/herokuconnect event="Account INSERT $DATABASE 1 row (0.82 secs)" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Account state=IDLE level=info
Sep 29 12:01:03 legarant-staging app/herokuconnect event="Contact, Streaming poll found 1 changes" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Contact state=POLLING_3f_00MM5
level=info
Sep 29 12:01:03 legarant-staging app/herokuconnect event="Contact QUERY $SALESFORCE 1 row (0.19 secs)" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Contact state=IDLE level=info
Sep 29 12:01:03 legarant-staging app/herokuconnect event="Contact INSERT $DATABASE 1 row (0.81 secs)" addn_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf app_name=legarant-staging object_type=sync object_id=b3a3327-5b0c-479c-83c5-16e912d6ffaf object_name=Contact state=IDLE level=debug

```

Log staging

10. Récapitulatif visuel

Catégorie	Staging	Production
App	<code>legarant-staging</code>	<code>legarant-mobile-prod</code>
DB	Postgres Essential-2	Postgres Essential-2
Heroku Connect	Sandbox	Production
Objets RW	Account, Contact, Contract	Account, Contact, Contract
Objets RO	Order, OrderItem, Pricebook2, PricebookEntry, Product2	idem
Dyno	1 web (Basic)	1 web (Basic)
SSL	par défaut	par défaut
RunTime	Nodejs 22	idem
Logs	chockload	Fixa