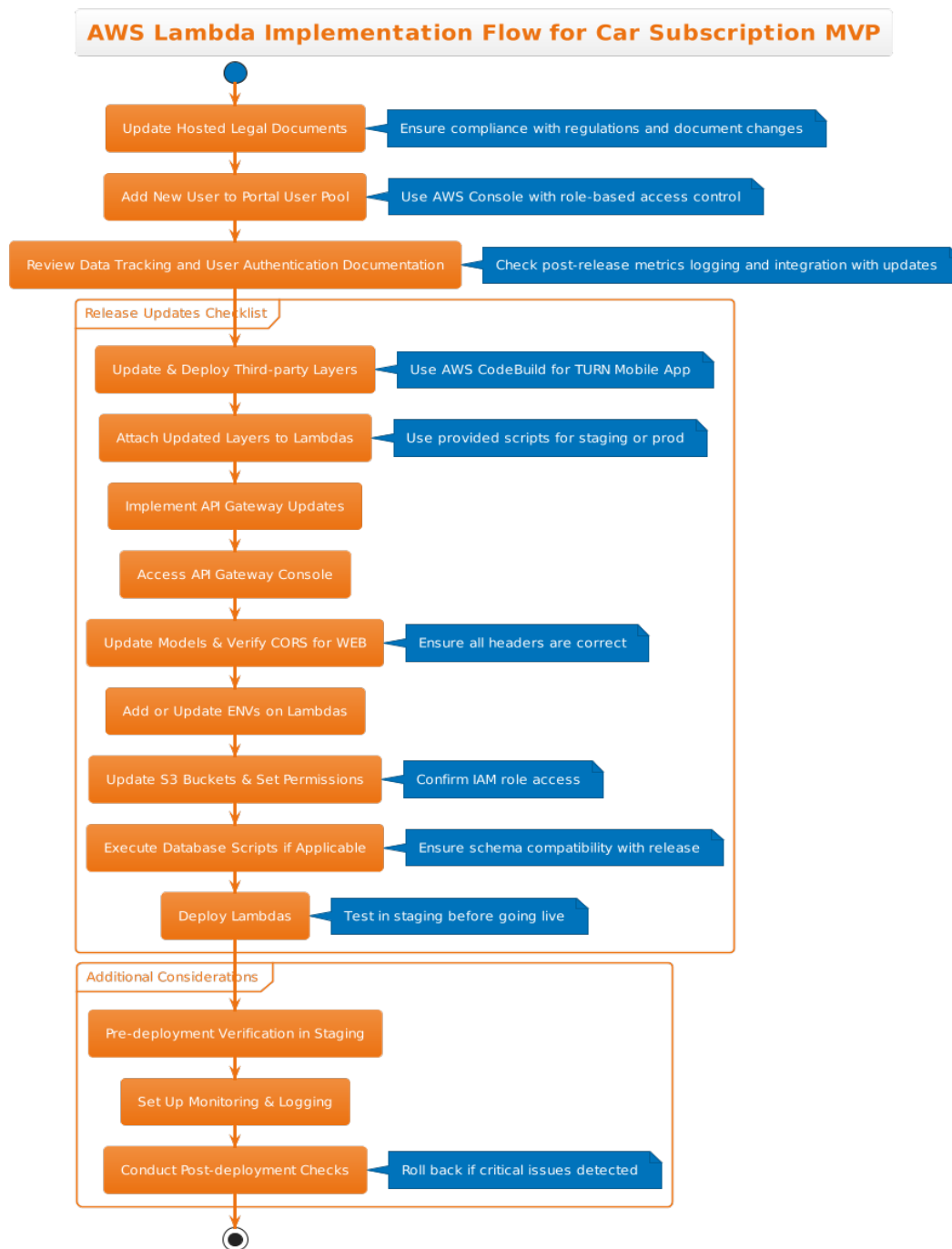


Serverless Technology using AWS Lambda



Back-end How-To Documentation:

This document guides back-end updates related to implementing serverless technology using AWS Lambda for our car subscription MVP.

Updating Hosted Legal Documents:

Ensure that all legal documents hosted are updated in accordance with the latest regulatory requirements. Changes should be tracked and documented.

Adding a New User to the Portal User Pool (via AWS Console):

Follow the standard protocol for adding new users, ensuring all necessary permissions and settings are configured according to role-based access control.

Related Documentation:

- **Data Tracking Plan:** Review the data tracking plan to ensure all metrics are correctly logged and monitored post-release.

External Documentation:

- **Turn Mobile App > User Authentication:** Familiarize with the authentication flow to understand how new updates will integrate with the current system.

Basic Outline for Release Updates:

Not all steps are required for each release, but following this checklist can minimize the impact of the release:

TURN Mobile App > Third-party layers:

- Update and deploy any changes to third-party modules. See the build history here: [AWS CodeBuild](#)
 - Attach the updated layers to the lambdas using the provided scripts: Update Staging Lambdas or Update Prod Lambdas.

API Gateway:

- Implement updates to new endpoints in the gateway.
- Access the API Gateway console here: [API Gateway Console](#)
- Update Models and ensure all headers on the method are correct. Verify that **CORS** is enabled for WEB.

ENVs on Lambdas:

- Add or update environment variables for each lambda function as required.

Update S3 Buckets and Permissions:

- Create new buckets and set up their permissions as necessary.
- Confirm that the lambda's IAM role has the required access.

Update Database:

- Execute database scripts before the release, if applicable.
- Ensure database schema and configurations are compatible with the new release.

Deploy Lambdas:

- Proceed with deploying Lambda functions, ensuring that all configurations are correct and tested in the staging environment before going live.

Additional Considerations:

- **Pre-deployment Verification:** Before any deployment, validate that all the above steps have been thoroughly tested and verified in a staging environment.
- **Monitoring and Logging:** Set up comprehensive monitoring and logging for new changes to quickly identify and address any issues post-deployment.
- **Post-deployment Checks:** Conduct immediate post-deployment checks to ensure all services are running as expected and roll back if any critical issues are detected.