Project Title : CloudSmart Tenant Application Enhancement Phase 2

Date: 11/06/2024

Modification date : 13/06/2024

Parties Involved :

- Client : CloudSmart - Tres Vance

- Service Provider : Youssef Abbar

Project Description :

This phase aims to enhance and secure the CloudSmart Tenant Application, focusing on grouping functions by microservices, updating tenant verification emails, reviewing and improving Cloudlink Work, separating tenant features based on subscriptions, and securing the Tenant SaaS app's APIs.

Scope of Work :

- Review Cloudlink Work, including the auto-provision of tenants from the AWS Marketplace Integration SaaS. This includes redeploying the CUR stack, creating the reset Glue job, and creating the saved views.

- Update the tenant verification email to use our SES configuration.

- Secure the Tenant SaaS app's APIs (Admin, Insights).

- Separate tenant features depending on their subscription levels (e.g., redefine Premium, Platinum, Basic) to incorporate add-ons such as Private Offer and WA.

- Group functions by microservices and create microservice apps for future versioning.

- Auditing - Bug Fixes - Cleanup Process - Documentation.

Timeline and Milestones :

Milestone	Duration	Steps	Expected Completion	Cost Per Milstone
Milestone 1: **Review Cloudlink Work**	4 days	- Redeploy the cur stack - Create the reset glue job (not created) - Create the saved views (not Created) - Test	17/06/2024	960$
Milestone 2: **Update the tenant verification email**	7 days	- Identify occurrences where cognito's default email is used - Modify the occurrences to use our SES identity - Create the different templates for different purpose - Test	24/06/2024	1680$

Milestone 3: **Aggregate 2 or more marketplace SDDS feeds into one dashboard**	1.5 weeks	- Renovate the onboarding template to be able to create multiple root folders per tenant. - Regroup the tenant's multiple SDDS feeds data - Generate the tenant's dashboards. - Embed the tenant's multiple dashboards all at once.	08/07/2024	2640$
Milestone 4: **Sharing data with AWS after the tenant opting in.**	2 weeks	- Create an opt-in functionality for the tenants - Collect Approval/Disapproval of data sharing from the tenants - Create an embedding link for the tenants that opted in - share the embedded link with AWS	29/07/2024	3360$

Milestone 5: **Secure the Tenant SaaS app's APIs.**	1.5 weeks	- Identify all the unsecured API methods - Create Authorizer(s) for different API methods - Add Authorization into the method's requests - Test	12/08/2024	2640$
Milestone 6: **Separate tenant features depending on their subscription levels**	2 weeks	- Differentiate all the different subscriptions (dimensions) - Modify the tenant's DynamoDB table to store dimension(s) - Grant/Deny the Tenant access to different resources depending on his subscription (dashboard-Private Offers-Well Architected…) - Test	26/08/2024	3360$

| Milestone 7:

Group functions by microservices and create microservice apps for future versioning | 3 weeks | **Back-End:**

- Review the project's cloudformation templates

- Identify The used/unused resources

- Structure the new templates to have only the resources we need

- Create the new templates

- Test

Front-End:

- Create The Admin App Folder with only the needed code

- Create The Insights folder with only the needed code

Source Control:

- Store the new project in an appropriate Source control software (Github- AWS Code Commit)

CI/CD:

- Create a pipeline to automate updates

- Test | 16/09/2024 | 5040$ |

Milestone 8: **Final Delivery and Review**	2 days	- Comprehensive testing of all functionalities. - Documentation and user guide preparation.	23/09/2024	480$

Total Cost:

- Hourly Rate : $40

- Estimated Total Hours : 504 hours / 84 days

- Total Project Cost : $20,160$

Payment Schedule:

Per Milestone

Acceptance Criteria:

   The project is deemed complete following the client's approval of all deliverables, including functionality integration, new feature implementation, and successful review and testing phase.

Agreement:

   By signing below, both parties agree to the terms, conditions, and deliverables outlined in this Updated Statement of Work.

Client Signature:

Date:

Service Provider Signature:

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