

Architecture Template

Title of page should be Feature Name

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Feature

[URL/Link to feature in Rally](#)

Summary

[Brief summary of the requirements and solution \(or solution options\).](#)

[Could link out to any documentation from analysts or PMs.](#)

Discovery

[If there are multiple options - describe each one with pros/cons. Indicate chosen direction.](#)

Option 1

Option 2

Solution Sketch

High level system/application diagram showing logical flow and updates needed.

Can use LucidChart widget - use insert/+ item from top toolbar and find LucidChart widget.

Or upload an attachment (RSA) to display in the screen. Use “files and images” link from top toolbar.

Orchestration Diagram

(For IA work/ EDB Service Updates Only)

Upload an RSA attachment to display in the screen. Use “files and images” link from top toolbar for this.

APIs/Swagger

This should be a link to SwaggerHub where the API schema has been uploaded for anything hosted in AWS APIc. Can also optionally include a copy in the page as an attachment for convenience.

For APIs hosted in Middletown/Windsor APIc - need swagger uploaded here are referenced. Use “files and images” link from top toolbar. And a link to the API definition in the APIc documentation portal in QA. Please also include the APIc product that the API is part of.

Provide example API request and response using “code” widget (use + item from top toolbar) for each API.

Note any specific schema changes. DPIM or Swagger attributes that were updated.

Consider also if any APIs or services will be deprecated - when should this happen.

Considering iOS/Android and older client versions.

NFR

*Are there NFR changes are part of the solution? Volume increase/decrease? Response time expected to improve? **Performance testing required?** Please note this here. Please note the rate limit that should be used for each API that is part of the solution.*

Attach NFR spreadsheet.

Services

Service Logic

Overview of flow through the service. This can be depicted in several ways

- *Overview description of the logical flow through the services/APIs*
- *Sequence Diagram*
- **Transformation/Mapping** - *use the table widget from top toolbar. Source to Target.*
 - *Request from client - showing how this gets formed, each attribute, into request to any back-end app token APIs or other integrations or DB queries/updates.*
 - *Response back to client - showing how each attribute gets formed into response to client from any db queries/updates, app token API integrations or any other.*
 - *May require more than just two tables depending upon steps/components/solution*

Service Components

*Describe each component and the purpose - including specifics that will be needed for development team to implement - **examples** may include:*

- *ODM (core rules engine)*
 - *What are the rules, inputs, outputs - could be an attachment. Could just be a summary to start with.*
- *Extreme Scale (caching in core services)*
 - *Cache key*
 - *Expiry*
 - *Grid size*
- *ACE/EDB service(s) that are part of the solution*
 - *Cloud or On Prem*
 - *AEI teams that support the services*
- *AWS services*
 - *Tech stack*
- *CMS (Contentful or other)*
 - *Content Model*

- *Database*
 - *Technology*
 - *Schema/Data stored*
 - *Interaction*
 - *Anticipated size*
- *EDA or other Files/ETL process*
- *Etc, etc*

Client Changes

Client side logic

Summary of how client should integrate.

Field mapping

Screenshots, miro links, table etc - whatever is needed showing the UI fields and what the client should use to populate that information.

Any differences between platforms

Consider if any different integration/logic may be needed for Web vs iOS vs Android.

Scenarios

Identify use cases that are critical for this feature in mapping, logic, testing.

Testing

Please explain how this solution/update should be tested. Any aspects of the solution specific to testability.

Security Review

Provide any notes, changes done as part of security review. Security reviews should be done especially when something non-standard is happening. Third party integration, some

new technology/component, SDK recommendation, SFTP, PII/PHI storage, etc ... please do a security review with members of security team and provide date, findings, changes here.

Contacts and Impacted Teams/People

Bulleterd list of teams and individuals that are updated