Analysis&Design

CME Group

Impact Assessment Template v1.16

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IMPACT ASSESSMENT

> ⓘ Please refer to the Impact Assessment Guidelines page when authoring an impact assessment. Also see FDP / RDP Process Overview for more context.
>
> **Please remove this box before completing the document.**

ⓘ

Values synced from JIRA. Please do not modify.

Business Context

Objectives

Background

In-Scope

- Business Value Deliverable/Information Flow/Capability 1
    - Sub-item 1A
    - Sub-item 1B
- Business Value Deliverable/Information Flow/Capability 2

Out-of-Scope

- Out-of-Scope Item 1
- Out-of-Scope Item 2

Decision Factors

Constraints

- Constraint 1
- Constraint 2
- None

Assumptions

- Assumption 1
- Assumption 2
- None

Tickets

Contents

- Business Context
- Decision Factors
- Technology Solution
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Risks

> **⬦ COG Required Section**
> This is a COG required section to outline the **risk** analysis that was completed. This section cannot be blank. If no **risk**s are identified, please ensure that the section contains a single line item with the value "None".
>
> - **Risk** - What is the **risk**? May be related to Feasibility Analysis selections or another source. <u>Examples:</u>
>   - Vendor lock-in
>   - Customer Adoption **Risk**
>   - Deferred security and/or reliability controls
>   - Operationalizing a new technology such as Kafka, Kubernetes, etc.
>   - Capability to meet NFRs is unknown
> - **Type -** What type of **risk** is this? <u>Values:</u> Business, Architecture, Security, or a write-in value
> - **Likelihood** - How likely is it that this **risk** will impact the project? <u>Values:</u> High/Low
> - **Impact/Severity** - What is the level of impact to the project if this **risk** materializes? <u>Values:</u> High/Low
> - **Mitigation** - What can be done *architecturally* to mitigate likelihood and/or impact/severity? <u>Example:</u> Write abstraction layer
>   - No schedule / resource / business mitigations here, only architectural mitigations that can be addressed in the IA
>
> **Please remove this box before completing the document.**

Risk	Type	Likelihood	Impact/Severity
What is the risk?	Business	**HIGH**	**HIGH**
	Architecture	**LOW**	**LOW**
	Security		

Dependencies

- Dependency 1
- Dependency 2
- None

Technology Solution

> **ⓘ** The goal of this section is to document the changes to each impacted system to communicate what will be accomplished as part of this Impact Assessment. This information will be used by the system teams to estimate the work and by the project team to ensure the scope is complete. Business value deliverable breakdown is used to provide options to the scoping and funding process.
>
> **Please remove this box before completing the document.**

Background

Feasibility Analysis Options

> ⬥ **COG Required Section**
> This is a COG required section to outline the alternative courses of action that were considered. This section cannot be blank.
>
> The text below may be used as a default if only one alternative was considered.
>
> ***Note:** When considering **buy vs. build** please leverage the approach defined **here** and include the 9-square decision grid in this section.
>
> **Please remove this box before completing the document.**

The scope of this request was straightforward and as a result the only course of action considered during the feasibility analysis is the one that has been documented.

Impact Summary

	App SWAG	Business Value Deliverable 1	Business Value Deliverable 2	Business Value Deliverable 3
Application 1	**3.5 FTE**	DEV		
Application 2	**.25 FTE**		CONFIG	DEV
Application 3	**Minor**			TEST ONLY

GCP Disposition by Component

Component Name	Component ID	Disposition	24x7 Required (Y/N)
APP: Application 1			
Component Name 1	COML-????	Rehost Replatform Refactor Retire Retain (only libraries or non-prod components should be *Retain*)	Y N
APP: Application 2			
Component Name 2	COML-????	Rehost Replatform Refactor Retire Retain	Y N

GCP Services used

GCP Service	Used By	Description
Cloud Storage	Application 1 Application 2	Summary of how application(s) will use the service
Compute Engine		
Google Kubernetes Engine		
Cloud Run		
Cloud CDN		
Cloud Functions		
App Engine		
PubSub		
BigQuery		
BigTable		
Cloud SQL		
Cloud Spanner		
FireStore		
MemoryStore		
Data Fusion		
DataFlow		
DataProc		
Storage Transfer Service		
SSL(TCP) Proxy Load Balancing		
HTTP Load Balancing		
API Gateway		
Apigee		
Data Catalog		
Cloud KMS		

Solution Summary

ⓘ   This section may include diagrams, etc. as appropriate. Impacts should be broken out in the following hierarchy:

   1. Business Value Deliverable/Information Flow/Capability
   2. System
   3. Component-Level Impact (Development/Config/Test)
   4. Sub-impact (optional)

NOTE: Please use the App Portfolio and Deployable Component Portfolio to ensure you are using the official System and Component names and consult the identified SMEs and APM architect for the system as needed.

NOTE: Please include references to any applicable CME Group standards (see IT Controls Global Index, Functional Standards section), reference architectures or best practices used in the solution.

Please remove this box before completing the document.

- Business Value Deliverable/Information Flow/Capability 1
  - System 1
    - Component-Level Development / Config / Test impact 1
      - Reference to CME Group enterprise standards, reference architectures, or best practices
    - Component-Level Development / Config / Test impact 2
  - System 2
    - Component-Level Development / Config / Test impact 3

Other Impacts

Impacted Area (click for detail)	Impacts?	Complete?	Description
Non-Development Impacts	✅❌	✅❌	Impacts to I&O, GIS, and other teams that may be impacted by this project
Downstream Systems	✅❌	✅❌	Commonly overlooked downstream systems which consume data from systems which may be impacted by this project
Hardware Impacts	✅❌	✅❌	Detailed hardware required by this project
Non-Functional Requirements (NFRs)	✅❌	✅❌	Impacts to NFRs for any systems impacted by this project
Project Risk Questionnaire	✅❌	✅❌	Required by Compliance
24x7 Architecture Guidelines	✅❌	✅❌	Have you considered how 24x7 requirements impact your project?

Capital Requirements

Hardware

- See child page, referenced above

Software

- **Populate Architect GCP Disposition column for all impacted AppIDs: Third Party Applications (Move Group One).xlsx**
- Software 1 (requires capital funding)
- Software 2
- None

Other

- Other 1 (such as 3rd party development which requires capital funding)
- Other 2
- None

Expense Requirements

Cloud Services

- Expected Upfront costs
- Expected Ongoing costs
- Expected Growth Year over Year
- **Link to GCP costing worksheet if available, should be uploaded here: GCP Cost Estimation Templates (duplicate template for your project)**

Appendices

> ⓘ   This section may be used for additional information which is too detailed for the other sections of the document. If unused, please remove the headers below.
>
> **Please remove this box before completing the document.**

Appendix - Appendix Name 1 (please remove if not used)

Appendix - Appendix Name 2 (please remove if not used)

Attachments

File	Modified

impact_assessment   template_version_v1-16