Functional Boundary

Relationships -

BLRB will relate to other software systems currently used by Dell Boomi, such as Microsoft Teams, Salesforce, Sharepoint, and Guru to name a few. These current systems have a specific information login requirement for each Boomi employee. Typically accounts created by Dell Boomi employees must follow this format (Format: email: example@dell.com, the password must be 8 characters long which includes lower and uppercase letters and at least one special character). Thankfully, the requirements for the BLRB already abide by the password format. This type of relationship is a single sign-on relationship where all independent yet related systems can share the same login information. Note some software systems used by Dell Boomi do not follow this format. Changes may occur. Additionally, BLRB will relate to third-party products produced by Boomi, by providing hyperlinks to these product pages for any Boomi personnel looking for legal information about that product.

Requirements of the larger system -

I don't know if the BLRB will be an element of a larger system as most of Boomi's systems seem to be independent but related to each other. However, I can assume the BLRB will be part of a larger system as Boomi itself is owned by Dell. Restrictions I expect the larger system to have are password restrictions (like the ones declared before), laws, rules (Dell's code of conduct), and security measures to avoid any breaches (encryptions, two-step authentication, and protocols once a breach occurs). All of these requirements will need to be mirrored to the BLRB to avoid conflict and exceptions within the systems. The functionality of the BLRB may be restricted by different laws and rules placed by the larger system as their definitions of commonly asked legal questions may differ from what we declare them as. The major difference in functionality may be the time constraint placed on some of our actions. Once a user is logged in, we expect a prompt to appear within 6 seconds, but that will change once two-step authentication is applied as we would need to test the estimated time for a user to receive the two-step code to log in.

Interfaces between the BLRB and larger system -

- Accounts created with the BLRB or the larger system will share the same information to avoid inconsistencies and stored within the larger system's database.
- Legal questions/answers created/updated in the BLRB are stored within a BLRB database but mirrored to another database within the larger system in the case of errors or backups.
- The BLRB and the larger system can be directly accessed through each other's interfaces.
- Creation/updates of legal questions must be linked to a Boomi personnel in both databases for traceability.

For the sake of this diagram, I will consider the larger system the Dell hub -

Boomi Personell looking for legal Information

Boomi Personell —logs into Hub→ 1.0 Dell Hub BLRB

1.0 Dell Hub BLRB ←Verify Info— D1 Account Information
1.0 Dell Hub BLRB —Create account→ D1 Account Information

D1 Account Information
Verify Info
Create Account
Linked
Back up

D2 Boomi Legal Info backup DB

Boomi Personell —logs into BLRB→ 2.0 BLRB Home /boot Page
—Select BLRB→
—Select Hub→

2.0 BLRB Home /boot Page
View legal questions

Ask question → D3 Legal Info DB
Provide answer ←

Provide Legal Info

View questions page Selected

3.0 View questions Page

legal Info in list view