CLAIMS:

1. A module for integrating information shared between a first business application and a second business application, wherein the first and second business applications comprise disparate business applications, the module comprising:

a processing unit; and

a non-transitory media readable by the processing unit, the media storing instructions that when executed by the processing unit cause the processing unit to:

receive a first-message from the first business application;

retrieve local-first primary keys L1-Keys associated with the first-message, wherein each of the local-first primary keys L1-Keys comprise unique identifiers associated with records in the first message;

for each of the retrieved local-first primary keys L1-Keys that has been assigned a global key GKey,

select local-second primary keys L2-Keys associated with the assigned global key GKey,

identify from the selected local-second primary keys L2-Keys a specific local-second primary key L2-Key that has been paired with the local-first primary key L1-Key, and

retrieve system identities associated with the local-first primary key L1-Key and the specific local-second primary key L2-Key;

for each of the retrieved local-first primary keys L1-Keys that has not been assigned a global key GKey,

generate and assign a global key GKey to the local-first primary key L1-Key to form a (Gkey, L1-Key) entry, whereby an existing global key GKey is assigned to the local-first primary key L1-Key when the local-first primary key's record contains the same data as an existing local-first primary key L1-Key that has been assigned to the existing global key GKey,

receive a local-second primary key L2-Key generated for the (GKey, L1-Key) entry and associate the local-second primary key L2-Key to the (GKey, L1-Key) entry, and

retrieve system identities associated with the local-first primary key L1-Key and the local-second primary key L2-Key;

append all the retrieved local-first primary keys L1-Keys, their associated global keys GKeys, and the respective retrieved system identities to the first-message;

provide the appended first-message to an integration logic module,

wherein the integration logic module is configured to:

map contents associated with each of the local-first primary keys L1-Keys to contents in a second-message, and

provide the second message to the second business application, wherein each of the local-second primary keys L2-Keys comprise unique identifiers associated with records in the second message.

2. The module according to claim 1 wherein the local-second primary key L2-Key generated for the (Gkey, L1-Key) entry is generated by the module based on a Global Unique Identifier (GUID), a random number, a primary key generation algorithm in combination with a number range, or a primary key generation algorithm in combination with a defined logic.

3. The module according to claim 1 wherein the local-second primary key L2-Key generated for the (Gkey, L1-Key) entry is generated as part of a response by the second business application in response to an Application Programming Interface (API) call from the first business application, whereby the generated response is provided to the first business application.

4. The module according to claim 1 wherein the local-second primary key L2-Key generated for the (Gkey, L1-Key) entry is generated by the module based on a bundle of documents received from the second business application, the bundle of documents being sent by the second business application to the first business application in response to a second continuous API call from the first business application, whereby the bundle of documents comprise documents having a same document-type as the first-message and having a similar time-stamp as a first API that was sent from the first business application to the second business application.

5. The module according to claim 1 wherein the local-second primary key L2-Key generated for the (Gkey, L1-Key) entry is generated by the module based on a bundle of documents received from the second business application, the bundle of documents being sent by the second business application to the first business application in response to a second continuous API call from the first business application, whereby the bundle of documents comprise documents having a same document-type as the first-message and having fields that match predefined requirements.

6. A method for integrating information shared between a first business application and a second business application, wherein the first and second business applications comprise disparate business applications, the method comprising:

receiving, using a module, a first-message from the first business application;

retrieving, using the module, local-first primary keys L1-Keys associated with the first-message, wherein each of the local-first primary keys L1-Keys comprise unique identifiers associated with records in the first message;

for each of the retrieved local-first primary keys L1-Keys that has been assigned a global key GKey, selecting, using the module, local-second primary key L2-Keys associated with the assigned global key GKey, identifying from the selected local-second primary key L2-Keys a specific local-second primary key L2-Key that has been paired with the local-first primary key L1-Key, and retrieving system identities associated with the local-first primary key L1-Key and the specific local-second primary key L2-Key;

for each of the retrieved local-first primary keys L1-Keys that has not been assigned a global key GKey, generating and assigning, using the module, a global key GKey to the local-first primary key L1-Key to form a (Gkey, L1-Key) entry whereby an existing global key GKey is assigned to the local-first primary key L1-Key when the local-first primary key's record contains the same data as an existing local-first primary key L1-Key that has been assigned to the existing global key GKey, receiving a local-second primary key L2-Key generated for the (GKey, L1-Key) entry and associating the local-second primary key L2-Key to the (GKey, L1-Key) entry, and retrieving system identities associated with the local-first primary key L1-Key and the local-second primary key L2-Key;

appending, using the module, all the retrieved local-first primary keys L1-Keys, their associated global keys GKeys, and the respective retrieved system identities to the first-message;

providing, using the module, the appended first-message to an integration logic module, wherein the integration logic module maps contents associated with each of the local-first primary keys L1-Keys to contents in a second-message, and provides the second message to the second business application, wherein each of the local-second primary keys L2-Keys comprise unique identifiers associated with records in the second message.

7. The method according to claim 6 wherein the generating of the local-second primary key L2-Key for the (Gkey, L1-Key) entry comprises the step of:

generating using the module, a Global Unique Identifier (GUID), a random number, a primary key generation algorithm in combination with a number range, or a primary key generation algorithm in combination with a defined logic.

8. The method according to claim 6 wherein the generating of the local-second primary key L2-Key for the (Gkey, L1-Key) entry comprises the step of:

generating, by the second business application, the local-second primary key L2-Key as part of a response to an Application Programming Interface (API) call from the first business application, whereby the generated response is provided to the first business application.

9. The method according to claim 6 wherein the generating of the local-second primary key L2-Key for the (Gkey, L1-Key) entry comprises the step of:

generating, using the module, the local-second primary key L2-Key based on a bundle of documents received from the second business application, the bundle of documents being sent by the second business application to the first business application in response to a second continuous API call from the first business application, whereby the bundle of documents comprise documents having a same document-type as the first-message and having a similar time-stamp as a first API that was sent from the first business application to the second business application.

10. The method according to claim 6 wherein the generating of the local-second primary key L2-Key for the (Gkey, L1-Key) entry comprises the step of:

generating, using the module, the local-second primary key L2-Key based on a bundle of documents received from the second business application, the bundle of documents being sent by the second business application to the first business application in response to a second continuous API call from the first business application, whereby the bundle of documents comprise documents having a same document-type as the first-message and having fields that match predefined requirements.