

CLAIMS

1. In a system comprising a plurality of platforms that are communicatively coupled via a network, wherein each platform is configured to receive, process, and store respective asset-related data, a computer-implemented method comprising:

receiving, at a first platform, data associated with one or more assets;
making a determination, by the first platform, that a given portion of the received data is to be pushed to a second platform; and

based on the determination, the first platform (a) preparing the given portion of the received data for transmission to the second platform and (b) pushing the given portion of the received data to the second platform over a network connection.

2. The computer-implemented method of claim 1, wherein receiving the data associated with the one or more assets comprises receiving the data on a messaging layer of the first platform.

3. The computer-implemented method of claim 1, further comprising:
maintaining, at the first platform, a set of rules that includes at least one rule indicating which data is to be pushed to the second platform.

4. The computer-implemented method of claim 3, wherein making the determination that the given portion of the received data is to be pushed to a second platform comprises:

applying the set of rules to the received data to determine that the given portion of the received data is to be pushed to a second platform.

5. The computer-implemented method of claim 3, wherein the at least one rule indicating which data is to be pushed to the second platform is defined by a user of the first platform.

6. The computer-implemented method of claim 3, wherein the at least one rule indicating which data is to be pushed to the second platform comprises one or both of (a) a rule indicating that data associated with a given group of assets is to be pushed to the second

platform and (b) a rule indicating that data of a given type to be pushed to the second platform.

7. The computer-implemented method of claim 1, wherein preparing the given portion of the received data for transmission to the second platform comprises generating a given command associated with the given portion of the received data, and wherein pushing the given portion of the received data to the second platform over the network connection comprises pushing the given command with the given portion of the received data to the second platform over the network connection.

8. The computer-implemented method of claim 7, wherein the given command comprises a command to perform one of a create action, a read action, an update action, or a delete action.

9. The computer-implemented method of claim 1, wherein preparing the given portion of the received data for transmission to the second platform comprises cleansing the given portion of the received data.

10. The computer-implemented method of claim 1, wherein the first platform is associated with a first one of an asset manufacturer, an asset dealer, and an asset owner, and wherein the second platform is associated with a second one of the asset manufacturer, the asset dealer, and the asset owner.

11. A non-transitory computer-readable medium having instructions stored thereon that are executable to cause a first platform to:

receive data associated with one or more assets;

make a determination that a given portion of the received data is to be pushed to a second platform; and

based on the determination, (a) prepare the given portion of the received data for transmission to the second platform and (b) push the given portion of the received data to the second platform over a network connection.

12. The non-transitory computer-readable medium of claim 11, wherein the instructions that are executable to cause the first platform to receive the data associated with the one or more assets comprises instructions that are executable to cause the first platform to receive the data on a messaging layer of the first platform.

13. The non-transitory computer-readable medium of claim 11, further comprising instructions stored thereon that are executable to cause the first platform to:

maintain a set of rules that includes at least one rule indicating which data is to be pushed to the second platform.

14. The non-transitory computer-readable medium of claim 13, wherein instructions that are executable to cause the first platform to make the determination that the given portion of the received data is to be pushed to a second platform comprises instructions that are executable to cause the first platform to apply the set of rules to the received data to determine that the given portion of the received data is to be pushed to a second platform.

15. The non-transitory computer-readable medium of claim 13, wherein the at least one rule indicating which data is to be pushed to the second platform is defined by a user of the first platform.

16. The non-transitory computer-readable medium of claim 13, wherein the at least one rule indicating which data is to be pushed to the second platform comprises one or both of (a) a rule indicating that data associated with a given group of assets is to be pushed to the second platform and (b) a rule indicating that data of a given type to be pushed to the second platform.

17. The non-transitory computer-readable medium of claim 13, wherein preparing the given portion of the received data for transmission to the second platform comprises generating a given command associated with the given portion of the received data, and wherein pushing the given portion of the received data to the second platform over the network connection comprises pushing the given command with the given portion of the received data to the second platform over the network connection.

18. A first platform comprising:
a network interface configured to facilitate communication with one or more data sources and one or more other platforms via a communication network;
at least one processor;
a non-transitory computer-readable medium; and
program instructions stored on the non-transitory computer-readable medium that are executable by the at least one processor to cause the first platform to:
receive data associated with one or more assets;
make a determination that a given portion of the received data is to be pushed to a second platform; and
based on the determination, (a) prepare the given portion of the received data for transmission to the second platform and (b) push the given portion of the received data to the second platform over a network connection.

19. In a system comprising a plurality of platforms that are communicatively coupled via a network, wherein each platform is configured to receive, process, and store respective asset-related data, a computer-implemented method comprising:
receiving, at a first platform from a second platform, criteria that governs whether the first platform is permitted to share asset-related data with one or more other platforms in the system, wherein the criteria is based on the reliability of asset-related data stored at a platform;
the first platform assessing the reliability of asset-related data stored at the first platform;
the first platform applying the received criteria to the assessed reliability of asset-related data stored at the first platform and thereby making a determination as to whether the first platform is permitted to share asset-related data with the one or more other platforms; and
the first platform operating in accordance with the determination.

20. The computer-implemented method of claim 19, wherein assessing the reliability of asset-related data stored at the first platform comprises one or both of (a) determining what proportion of the asset-related data stored at the first platform is successfully mapped to a given data model and (b) determining what proportion of the asset-

related data stored at the first platform includes a set of preferred data fields after data mapping.

21. The computer-implemented method of claim 19, wherein making a determination as to whether the first platform is permitted to share asset-related data with one or more other platforms in the system comprises making a determination that the first platform is permitted to share asset-related data with the one or more other platforms, and wherein the first platform operating in accordance with the determination comprises one or both of: (a) the first platform beginning to share asset-related data with the one or more other platforms and (b) the first platform notifying the one or more other platforms that the first platform is permitted to share asset-related data.

22. The computer-implemented method of claim 19, wherein making a determination as to whether the first platform is permitted to share asset-related data with one or more other platforms in the system comprises making a determination that the first platform is not permitted to share asset-related data with the one or more other platforms, and wherein the first platform operating in accordance with the determination comprises the first platform disabling its ability to share asset-related data to the one or more platforms.

23. The computer-implemented method of claim 19, further comprising:
receiving, at the first platform from the second platform, logic that dictates the manner in which the first platform is to process asset-related data; and
the first platform operating in accordance with the received logic.

24. The computer-implemented method of claim 23, wherein the logic comprises one or both of (a) a data model to be used by the first platform to map incoming asset-related data and (b) a data analysis rule to be applied to incoming asset-related data by the first platform.

25. The computer-implemented method of claim 19, wherein the second platform comprises a master platform for the system.

26. A non-transitory computer-readable medium having instructions stored thereon that are executable to cause a first platform to:

receive, from a second platform, criteria that governs whether the first platform is permitted to share asset-related data with one or more other platforms in the system, wherein the criteria is based on the reliability of asset-related data stored at a platform;

assess the reliability of asset-related data stored at the first platform;

apply the received criteria to the assessed reliability of asset-related data stored at the first platform and thereby make a determination as to whether the first platform is permitted to share asset-related data with the one or more other platforms; and

operate in accordance with the determination.

27. The non-transitory computer-readable medium of claim 26, wherein the instructions that are executable to cause the first platform to assess the reliability of asset-related data stored at the first platform comprise instructions that are executable to cause the first platform to assess the reliability of asset-related data stored at the first platform by one or both of (a) determining what proportion of the asset-related data stored at the first platform is successfully mapped to a given data model and (b) determining what proportion of the asset-related data stored at the first platform includes a set of preferred data fields after data mapping.

28. The non-transitory computer-readable medium of claim 26, wherein the instructions that are executable to cause the first platform to make the determination as to whether the first platform is permitted to share asset-related data with the one or more other platforms comprise instructions that are executable to cause the first platform to make a determination that the first platform is permitted to share asset-related data with the one or more other platforms, and wherein the instructions that are executable to cause the first platform to operate in accordance with the determination comprise one or both of: (a) instructions that are executable to cause the first platform to begin sharing asset-related data with the one or more other platforms and (b) instructions that are executable to cause the first platform to notify the one or more other platforms that the first platform is permitted to share asset-related data.

29. The non-transitory computer-readable medium of claim 28, wherein the instructions that are executable to cause the first platform to make the determination as to whether the first platform is permitted to share asset-related data with the one or more other platforms comprise instructions that are executable to cause the first platform to make a determination that the first platform is not permitted to share asset-related data with the one or more other platforms, and wherein the instructions that are executable to cause the first platform to operate in accordance with the determination comprise instructions that are executable to cause the first platform to disable its ability to share asset-related data to the one or more platforms.

30. The non-transitory computer-readable medium of claim 26, further comprising instructions that are executable to cause the first platform to:

receive, from the second platform, logic that dictates the manner in which the first platform is to process asset-related data; and

operate in accordance with the received logic.

31. The non-transitory computer-readable medium of claim 30, wherein the logic comprises one or both of (a) a data model to be used by the first platform to map incoming asset-related data and (b) a data analysis rule to be applied to incoming asset-related data by the first platform.

32. A first platform comprising:

a network interface configured to facilitate communication with one or more data sources and one or more other platforms via a communication network;

at least one processor;

a non-transitory computer-readable medium; and

program instructions stored on the non-transitory computer-readable medium that are executable by the at least one processor to cause the first platform to:

receive, from a second platform, criteria that governs whether the first platform is permitted to share asset-related data with one or more other platforms in the system, wherein the criteria is based on the reliability of asset-related data stored at a platform;

assess the reliability of asset-related data stored at the first platform;

apply the received criteria to the assessed reliability of asset-related data stored at the first platform and thereby make a determination as to whether the first platform is permitted to share asset-related data with the one or more other platforms; and

operate in accordance with the determination.