Data Sync API Synchronization Guide

Overview – <mark>Does this API need sample code?</mark>

The **DataSync** API uses the following methods to synchronize your local data store with the data maintained by Realogy:

- The `Active` method lets you do a one-time initialization of your data store.
- The `Delta` method is used for each entity type for ongoing synchronization.

The details for how to use each of these methods are found in the method descriptions at <mark>(type the link).</mark> All vendors should perform the data synchronization as described below.

Step 1 - One-time initialization

One-time initialization must be performed when using the DataSync API the first time to initialize Realogy data into your system.

1. Call the `GetActiveListings` method to get all active listings in the system. This method uses `listingId` and `lastupdateon` to provide the listing ID and last update for the listings.
2. Call the `GetListingById` method to get the details for each listing.

Step 2 - Ongoing synchronization

1. Call the `Delta` method for the listings. **Note:** The frequency can be from 15 minutes to 7 days, but the recommended frequency is 30 minutes to 2 hours.
2. Add a two-minute overlap between subsequent `Delta` calls so that listings updated during the edge time are not missed.
3. The Delta response will return full details for the listings that were changed.

Step 3 - Periodic reconciliation

This should be performed weekly to ensure that your system is in sync with ours.

1. Call the `GetActiveListings` method.
2. For each listing, compare the `lastupdateon` date that you received in the Active Listings **GET** method with the one stored in your system (you should store the `lastupdateon` field from the Delta Response).
3. Call the `GetListingById` method for listings where there is a difference in the `lastupdateon` time.