Implementing update in Web API
1. Who should support Data Dictionary?
2. Who should implement Update API?
3. Who should support OAuth?

A. Brokers
B. MLSs
C. Vendors
D. Publishers
E. All of the above
How Listings Are Managed

MLS System

Listing Agent Uses MLS Entry System

Strong Authentication

Listing Database

Data Feeds

RETS Distribution

Broker Receive Listings Via RETS

Broker Office

Business Rules
Listing Life Cycle

Sample Size: 500K

Listing receives 3-10 updates on an average

Number Of Updates

Listing Count

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
What Changes

Sample Size: 500K

Agent Remarks
Property Photo
Listing Price
Showing Info
Property Features
Agent Information

ListOfficeFax
ListOfficeName
ListAgentLastName
ListingEntityID
ListOfficeOfficePhone
ListingLicenseNumber
ListAgentName
OffMarketDate
FloorCovering
ClosePrice
AssociationFee
ListAgent_Fax_Primary
ListingOfficeID
CoordinatesSource
GarageParking
StructureSizeSource
Amenities
Owner
LotSizeArea
CapitalizationRate
GrossRentMultiplier
StructureSize
Property_Inclusions
TypeOfOccupant
InternetCaption
OccupantPhone
SecondTourDate
CommissionRate
UnbrandedVirtualTourLink
InternetComments
ListAgent_Phone_Primary
VirtualTourLink
TourRemarks
FirstTourDate
Property_Age
ShowingInstructions
ExpirationDate
PhotoModificationTimestamp
COEDate
ListPrice
PublicRemarks

Number of Changes: 500K
What Does It Take

Monthly Call Volume

Year: 2013

- 43K Listings
- 10k Support Calls
- 44k Compliance issues
Advancing the way property listings are entered and managed
Receiving Updates

Listing Database

Business Rules

MLS System

Update API

Broker Office
Managing Updates

MLS System

Listing Database

Business Rules

Update API

Supporting OAuth

Pending

Active

Withdrawn

Contingent

Sold

Broker Office

Update API

Community Apps

Listing Lifecycle Events

DATA

DATA

DATA
Broadcasting Updates

MLS System

Listing Database

Business Rules

Update API

Update Broadcast Service

DATA

Vendors And Publishers

Update API

Community Apps

Listing Lifecycle Events

DATA
Receive And Broadcast

MLS

Business Rules

Update Broadcast Service

Community

Update Apps

Listing Lifecycle Events

Update API

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA

DATA
New Model

Pull

Push

MLS

Broker

Community

DATA

RETS

MLS

Community

 MLS

LISTINGS
Achieve

- Efficiency
  Data delivery with precision

- Integration
  Extensible model to keep ecosystem in sync

- Collaboration
  Information management through multiple platform
Thank You

MLSLListings Inc