



REALOGY FRANCHISE GROUP

# dash enhancement: API and Import Specification details

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Technical Specification Document

**Version: 1.0**

## Version History

Version #	Date	Section #	Action	Description	Author(s)
Initial	05/08/2023	All	Create	Initial version	Mahesh Totagi

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## 1 Introduction & Document Purpose

The purpose of this document is to notify the feature enhancements in dash and specification changes in APIs and dash Import Integration process.

## 2 Enhanced feature and System Behavior:

### 2.1 Dash API Versioning:

Dash API has been enhanced to support multiple versions. With legacy version supporting the initial spec and the new versions supporting the enhanced features.

- Dash API accepts an optional header parameter “**x-rlgy-version**” with every request made to the API
- Existing consumers of dash API are not impacted, as in case the request is missing the version header then the API by default assigns the version header as “2020-06-01”
- Version header “2020-06-01” returns the response in the existing schema/ format thus continuing the support to the existing version
- Ability to access the new features - version 2.0 and onwards, is made available only through Apigee endpoints and with the valid version header
- Backward compatibility to existing features (version 1.0), via Azure APIM endpoints and Apigee endpoints will be managed by defaulting the version header – “2020-06-01”
- API version 1.0, version 2.0 and onwards can be consumed using the existing Apigee endpoint [dash | Realogy Developers Portal](#); and with same credentials

Version	Version #	Value of ‘x-rlgy-version’	Value of ‘x-hous-version’
Initial Version (Legacy)	1.0	2020-06-01	v1.0
Enhanced Version	2.0	2021-01-01	v2.0
Enhanced Version	2.1	2021-04-01	v2.1
Enhanced Version	3.0	2022-01-01	v3.0
Enhanced Version	4.0	N/A	v4.0

Please refer to the document [dashAPI version support details](#) for the following details

- List of endpoints supported in current version (version 1.0)
- List of endpoints supported in new version (version 2.0 and onwards)
- List of endpoints currently supported in existing version and will be deprecated in future

Dash API has been enhanced to support header parameters in multiple formats that includes “**x-rlgy-version**” and “**x-hous-version**”. Please refer to the document [dashAPI versioning guideline details](#) for the specific details.

## 2.2 Enhanced dash features:

1. **To associate Administrative assistant to an Agent:** A new feature enabled in dash API real-time with an optional collection that allows to associate a Person with the non producing role of “Administrative Assistant” (“Admin Assistant”) to another Person who is assigned a Sales Position (producing role/Agent).
2. **Agent Recruitment Identification:** A new feature enabled in dash API real-time with an optional collection that allows to identify new agents records that were ‘Acquired’ through the process of a Brand/Brokerage Merger and Acquisition rather than the typical recruiting process referred to in the attached iConnect Report as “Organic growth”.
3. **Expose Transaction MLS number:** A new feature enabled in dash API real-time that will allow to feed transaction MLS number for the Residential and Commercial sale transactions.

## 2.3 To associate Administrative assistant to an Agent:

### 2.3.1 Dash Import Feeds:

The dash API schema for **Company Staff** will be modified for new optional collection “**CompanyStaffAssistants**” in the Staff entity.

The below highlighted optional collection will be added to the existing dash API Company Staff schema for the Batch API method.

```

</xs:element>
<xs:element minOccurs="0" name="CompanyStaffAssistants" nillable="true">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="CompanyStaffAssistant" nillable="true">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CompanyStaffGuid" type="GuidType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:element minOccurs="0" name="DerivationSource" nillable="true">

```

PS : This new feature/ collection is not supported in **RFG Common specification**.

### 2.3.2 Dash API:

dash API Company Staff Post, Put and Get operations will now support administrativeAssistants collection.

#### Real time API Get operations:

- a. CompanyStaff\_Get

#### Real time API Post and Put operations:

- a. CompanyStaff\_Post
- b. CompanyStaff\_Put

Swagger snippet for reference:

```

    ],
    "administrativeAssistants": [
      {
        "companyStaffGUID": "de305d54-75b4-431b-adb2-eb6b9e546014",
        "personGuid": "de305d54-75b4-431b-adb2-eb6b9e546014",
        "salutation": "Mr.",
        "firstName": "Mary",
        "middleName": "Mary",
        "lastName": "Sparks",
        "nameSuffix": "Mr.",
        "primaryPhoneNumber": 1234567,
        "primaryEmailAddress": "email@domain.com"
      }
    ],
    "agentRecruitingSource": [

```

### 2.3.3 Data Sync API:

Agent operations will return administrativeAssistants information.

- a. GetAgentById
- b. GetAgentDelta

Swagger snippet for reference:

```

- "administrativeAssistants":
  - {
    "id": "2c6c2521-f58d-e911-8118-005056b96624",
    "personId": "2c6c2521-f58d-e911-8118-005056b96624",
    "RFGStaffId": "A1BCDE",
    "name": "Mary Sparks",
    "salutation": "Mr.",
    "firstName": "Mary",
    "lastName": "Sparks",
    "middleName": "Mary",
    "defaultPhotoURL": "http://anywhere.re/agent.jpg",
    "emailAddress": "email@domain.com",
    "businessPhone": "123441243",
    "mobilePhone": "123441243"
  }
],

```

### 2.3.4 Search API:

GetAgentById – will return administrativeAssistants information.

Swagger snippet for reference:

```

"personId": "2c6c2521-f58d-e911-8118-005056b96624",
- "administrativeAssistants": [
  {
    "id": "2c6c2521-f58d-e911-8118-005056b96624",
    "personId": "2c6c2521-f58d-e911-8118-005056b96624",
    "RFGStaffId": "A1BCDE",
    "salutation": "Mr.",
    "name": "Mary Sparks",
    "firstName": "Mary",
    "lastName": "Sparks",
    "middleName": "Mary",
    "defaultPhotoURL": "http://anywhere.re/agent.jpg",
    "emailAddress": "email@domain.com",
    "businessPhone": "123441243",
    "mobilePhone": "123441243"
  }
]

```

### 2.3.5 Data Exports:

Data Exports will not expose Administrative Assistants details.

## 2.4 Agent Recruitment Identification:

### 2.4.1 Dash Import Feeds:

The dash API schema for **Company Staff** will be modified for new optional collection “**RecruitingSource**” in the Staff entity.

The below highlighted optional collection will be added to the existing dash API Company Staff schema for the Batch API method.

```

</xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="RecruitingSource" nillable="true">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Code" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="ProviderName">

```

PS : This new feature/ collection is not supported in **RFG Common specification**. However, the existing data will be overlaid in dash.

### 2.4.2 Dash API:

dash API Company Staff Post, Put and Get operations will now support agentRecruitingSource collection.

**Real time API Get operations:**

- b. CompanyStaff\_Get

**Real time API Post and Put operations:**

- c. CompanyStaff\_Post
- d. CompanyStaff\_Put

Swagger snippet for reference:

```

    }
  ],
  "agentRecruitingSource": [
    {
      "code": "string",
      "description": "string"
    }
  ],

```

**2.4.3 Data Sync API:**

Agent operations will return agentRecruitingSource information.

- c. GetAgentById
- d. GetAgentDelta

Swagger snippet for reference:

```

{
- "agentSummary": {
  "id": "2c6c2521-f58d-e911-8118-005056b96624",
  "isAgent": true,
  "name": "Mary Sparks",
  "firstName": "Mary",
  "lastName": "Sparks",
  "middleName": "Sparks",
  "gender": "male",
  "defaultPhotoURL": "http://anywhere.re/agent.jpg",
  "emailAddress": "email@domain.com",
  "leadEmailAddress": "email@domain.com",
  "businessPhone": "123441243",
  "businessPhoneExt": "123",
  "businessWebsite": "https://anywhere.re/",
  "profileURL": "https://anywhere.re/agent",
  "mobilePhone": "123441243",
  "displayTitle": "Sales Associate",
  "specialty": "Residential",
+ "mlsNumbers": [ ... ],
  "isActive": true,
+ "office": { ... },
  "RFGStaffId": "A1BCDE",
  "salutation": "Mr.",
  "familiarName": "Mary",
  "nameSuffix": "Jr.",
  "dateOfBirth": "2019-08-24T14:15:22Z",
  "agentRecruitingSource": "Standard Recruiting Practices"
},
"personId": "2c6c2521-f58d-e911-8118-005056b96624",

```



## 2.4.4 Search API:

Agent operations will return agentRecruitingSource information.

- a. GetAgentById
- b. Search Agents

Swagger snippet for reference:

```
{
- "agentSummary": {
  "Id": "2c6c2521-f58d-e911-8118-005056b96624",
  "name": "Mary Sparks",
  "firstName": "Mary",
  "lastName": "Sparks",
  "middleName": "Sparks",
  "familiarName": "Mary Sparks",
  "gender": "male",
  "defaultPhotoURL": "http://anywhere.re/agent.jpg",
+ "mlsNumbers": [ ... ],
  "emailAddress": "email@domain.com",
  "leadEmailAddress": "email@domain.com",
  "businessPhone": "123441243",
  "businessPhoneExt": "123",
  "businessWebsite": "https://anywhere.re/",
  "mobilePhone": "123441243",
  "displayTitle": "Sales Associate",
  "specialty": "Residential",
  "isAgent": true,
+ "office": { ... },
  "RFGStaffId": "A1BCDE",
  "profileURL": "https://anywhere.re/agent",
  "agentRecruitingSource": "Standard Recruiting Practices"
},
"createdOn": "2022-01-15T18:25:43.511Z",
```

## 2.4.5 Data Exports:

Data Exports will not expose Agent Recruiting Source details.

## 2.5 Expose Transaction MLS number:

### 2.5.1 Dash Import Feeds:

The dash API schema for **Sale Transactions** will be modified for new optional field “**MLSNumber**” in the header collection of Transaction entity.

The below highlighted optional collection will be added to the existing dash API Sale Transaction schema for the Batch API method.



```

| </xs:complexType>
| </xs:element>
| <xs:element minOccurs="0" name="IsDevelopmentAssociated" nillable="true" type="xs:boolean" />
| <xs:element minOccurs="0" name="MLSNumber" nillable="true" type="xs:string" />
| <xs:element minOccurs="0" name="ProviderName">
|   <xs:annotation>
|     <xs:appinfo>
|       <b:fieldInfo notes="Reserved for Internal Use" />
|     </xs:appinfo>
|   </xs:annotation>
|   <xs:simpleType>
|     <xs:restriction base="xs:string" />
|   </xs:simpleType>
| </xs:element>
| </xs:all>
| <xs:attribute name="CurrencyCode" type="xs:string" />
| </xs:complexType>

```

PS : This new feature/ collection is not supported in Lease, Rental and Other Income.

## 2.5.2 Dash API:

dash API Sale Transactions Post, Put and Get operations will now support an optional field "MLSNumber" in header collection.

### Real time API Get operations:

- c. SaleTransactions\_Get

### Real time API Post and Put operations:

- e. SaleTransactions\_Post
- f. SaleTransactions\_Put

Swagger snippet for reference:

```

},
"providerIdentifier": "de305d54-75b4-431b-adb2-eb6b9e546014",
"isDevelopmentAssociated": true,
"mlsNumber": "PL-45363"
}'

```

## 2.5.3 Transactions API:

Sale Transactions operations will return transaction MLS number information in header collection.

- e. Getsaletransactionbyid
- f. GetTransactionsDelta
- g. SearchTransactions

Swagger snippet for reference:

```

{
  - "transactionSummary": {
    "transactionId": "de305d54-75b4-431b-adb2-eb6b9e546014",
    "RFGtransactionId": "PQCEKY-T0394",
    "transactionType": "string",
    + "propertyAddress": { ... },
    "salePrice": 250000,
    "status": "Pending",
    "statusOn": "2019-08-24T14:15:22Z",
    "contractOn": "2019-08-24T14:15:22Z",
    "estimatedToCloseOn": "2019-08-24T14:15:22Z",
    "closedOn": "2019-08-24T14:15:22Z",
    "saleSideGrossCommission": 0,
    "listSideGrossCommission": 0,
    "otherCompanySplitCommission": 0,
    "adjustedGrossCommission": 0,
    "listSACommission": 0,
    "saleSACommission": 0,
    "outsideBrokerOfficeName": "string",
    "outsideBrokerBrand": "string",
    "isCommercial": true,
    "currencyCode": "USD",
    "propertySubtype": "string",
    "propertyType": "string",
    "propertyStyle": "string",
    "propertyUse": "string",
    "propertyName": "string",
    "brokerReferenceNumber": "string",
    "lastUpdateOn": "2019-08-24T14:15:22Z",
    "cancelOn": "2019-08-24T14:15:22Z",
    "cancelReason": "string",
    "mlsNumber": "PALA200336"
  },
  - "listingOffice": {

```

## 2.6 Dash Import Specifications:

Revised dash import specifications are available at:

[Company Staff Import Spec](#)

[Sale Transaction Import Spec](#)