

Estate Agent Feeds Manager API v1.0

The Estate Agent Feeds Manager API allows you to create, update or delete manager records assigned under an account.

API Authentication

To access the API you'll first need to request an **API Key**, **API username** and **API password**. These will be provided as a note in your account and enable you to send requests to manipulate manager records within your account.

Authentication headers

Your API requests must include the following headers:

eaf-nonce a unique string for every request. This will also be included in your **authorization hash** and used to prevent replay attacks.

eaf-timestamp the time since epoch. This will also be included in your **authorization hash** and is used to prevent replay attacks.

Authorization contains your **authorization hash**. See below for how to create and finalise your **authorization hash**.

Content-type defines how you'll be encoding your data.

Your content-type should be specified as either **(JSON) application/json** or **(HTML Form) application/x-www-form-urlencoded**.

Authorization hash

The authorization hash is a concatenated string of **<username>:<password>:<nonce>:<timestamp>** which must then be hashed using the **MD5 (Message Digest)** algorithm. The resulting string is then encoded using **Base64**.

Generating a nonce

Although we have no strict requirement for how you create your unique nonce, it's highly recommended to use **V4 UUID**.

For example: 66e6955a-e814-4ee0-b5e9-20c3bbebd563

API end-points

All API calls are made using either **POST, GET or DELETE** requests over an HTTPS connection to the following URL:

API end-point: <https://eaf.cloud/agents/manager>

Responses will always be in **JSON format** and include various headers you can use to troubleshoot issues.

When contacting us with an API request issue, please be sure to provide the **eaf-request-id** provided in the response header.

POST /create

To register a new manager, **POST /create** must be called.

KEY NAME	TYPE	NOTE	REQUIRED
key	string	Your API key	YES
manager	array	--	YES
manager.company_name	string	The company name	YES
manager.company_branch	string	The company branch location	NO
manager.contact	array	--	YES
manager.contact.first_name	string	The manager's first name	YES
manager.contact.last_name	string	The manager's last name	YES
manager.contact.email	string	The manager's contact email address	NO
manager.contact.phone	string	The manager's contact phone number	NO
manager.serving	array	--	NO
manager.serving.area	string	The serving area e.g 'West Sussex'	NO
manager.serving.postcode	string	The serving area postcode	NO
active	boolean	Activate or de-activate the manager	NO
notes	string	Notes about the manager record	NO

RESPONSE

Responses to the API are served as a JSON string and if successful will include a unique **office_id** you can use in future calls.

KEY NAME	TYPE	NOTE	REQUIRED
status	string	OK if the request was successful	--
timestamp	string	The datetime the request was made	--
type	string	CREATE if the request was successful	--
response	object	--	--
response.records	object	--	--
response.records.office_id	string	A unique Office ID for the manager	--

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POST /update

To update an existing manager record, **POST /update** must be called.

When updating manager records you are free to omit all or some of the optional keys and their values which will avoid updating those parts of the record. Including the optional keys while leaving them blank will delete that part of the record.

KEY NAME	TYPE	NOTE	REQUIRED
key	string	Your API key	YES
manager	array	--	YES
manager.office_id	string	The manager's office ID e.g 98765432	YES
manager.company_name	string	The company name	YES
manager.company_branch	string	The company branch location	NO
manager.contact	array	--	YES
manager.contact.first_name	string	The manager's first name	YES
manager.contact.last_name	string	The manager's last name	YES
manager.contact.email	string	The manager's contact email address	NO
manager.contact.phone	string	The manager's contact phone number	NO
manager.serving	array	--	NO
manager.serving.area	string	The serving area e.g 'West Sussex'	NO
manager.serving.postcode	string	The serving area postcode	NO
active	boolean	Activate or de-activate the manager	NO
notes	string	Notes about the manager record	NO

RESPONSE

Responses to the API are served as a JSON string and if successful will return a response as below.

KEY NAME	TYPE	NOTE	REQUIRED
status	string	OK if the request was successful	--
timestamp	string	The datetime the request was made	--
type	string	UPDATE if the request was successful	--
response	object	--	--
response.records	object	--	--
response.records.office_id	string	The unique Office ID for the manager	--

DELETE /delete

To delete 1 or more existing manager records, **DELETE /delete** must be called.

Please note how the key **office_id** is now an array and should include the Office ID's of the records you wish to remove.

Deleting manager records will also unpublish any properties assigned to that manager record.

KEY NAME	TYPE	NOTE	REQUIRED
key	string	Your API key	YES
manager	array	--	YES
manager.office_id	array	One or more Office ID's to delete	YES

RESPONSE

Responses to the API are served as a JSON string and if successful will return a response as below.

KEY NAME	TYPE	NOTE	REQUIRED
status	string	OK if the request was successful	--
timestamp	string	The datetime the request was made	--
type	string	DELETE if the request was successful	--
response	object	--	--
response.records	array	The Office ID's successfully deleted	--

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GET /list

To receive a list of manager records currently under an account, **GET /list** must be called.

Please note how the key **office_id** is now an array and should include the Office ID's of the records you wish retrieve.

You can include up to 100 Office ID's in each call.

KEY NAME	TYPE	NOTE	REQUIRED
key	string	Your API key	YES
manager	array	Leaving this out will return all records	NO
manager.office_id	array	One or more Office ID's	YES

RESPONSE

Responses to the API are served as a JSON string and if successful will return a response as below.

Please note how the key **response.records** is now an array and will include 1 or more manager records.

KEY NAME	TYPE	NOTE	REQUIRED
status	string	OK if the request was successful	--
timestamp	string	The datetime the request was made	--
response	object	--	--
response.records	array	An array of manager records	--
response.records.office_id	string	The unique Office ID for the manager	--
response.records.created	string	The date the record was created	--
response.records.created_type	string	How the record was created	--
response.records.modified	string	When the record was last updated	--
response.records.company_name	string	The company name	--
response.records.company_branch	string	The company branch location	--
response.records.serving	array	--	--
response.records.serving.area	string	The serving area e.g 'West Sussex'	--
response.records.serving.postcode	string	The serving area postcode	--
response.records.contact	array	--	--
response.records.contact.first_name	string	The manager's first name	--
response.records.contact.last_name	string	The manager's last name	--
response.records.contact.email	string	The manager's contact email address	--
response.records.contact.phone	string	The manager's contact phone number	--
response.records.listings	array	--	--
response.records.listings.imported_date	string	The date listings were last imported	--
response.records.listings.imported_count	number	The number of listings last updated	--
response.records.listings.published_count	number	The number of published listings	--
response.records.listings.deleted_count	number	The number of deleted listings	--
response.records.active	boolean	The active status of the manager	--
response.records.notes	string	Notes about the manager record	--

Error handling

Whenever an error occurs the API will respond with a JSON message containing an array of errors.

KEY NAME	TYPE	NOTE	REQUIRED
status	string	ERROR	--
timestamp	string	The datetime the request was made	--
response	array	--	--
response.error	array	--	--
response.error.message	string	A description of the error	--
response.error.object	string	An object reference may be included	--
response.error.value	string	The value supplied may be included	--
response.error.pattern	string	The regex pattern that didn't match	--

Example errors

Below is an example error where the request included both a missing mandatory value as well as validation errors on the email address.

```
{
  "status": "error",
  "timestamp": "2021-01-11 13:48:05",
  "response": [
    {
      "error": {
        "message": "Invalid value supplied for object",
        "object": "email",
        "value": "d.jonespropertysales.com",
        "pattern": "\\^[a-zA-Z0-9-]{1,}@[a-zA-Z0-9-]{2,}\\.[a-zA-Z]{2,6}$V"
      }
    },
    {
      "error": {
        "message": "Missing or invalid mandatory object",
        "object": "company_name"
      }
    }
  ]
}
```

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MANAGER IMPORT SETTINGS

If you are a property portal or software company using Estate Agent Feeds as your middle-ground feed importer for your agents, you'll likely be using our Manager API to setup and manage your agents so that we can receive their property data. In this situation you'll have access to an extended set of import settings for each manager. These options allow you to fine tune how we import or filter their property data as well as present this data to you via our XML export API. For example, filtering out sold properties.

IMPORT DEFAULTS

These settings define some default conditions and switches that we should apply when we import properties for the manager.

Please note: these keys and values are an extension of the **POST/ create** and **POST / update** API calls.

KEY NAME	TYPE	NOTE	REQUIRED
import_default	object	--	NO
import_default.type_from_bedrooms	boolean	Set a default property type	NO
import_default.town_from_postcode	boolean	Set the town from the postcode	NO
import_default.switch_pw_to	string	One of (auto pppw pw pm pq)	NO
import_default.switch_pppw_to	string	One of (auto pppw pw pm pq)	NO
import_default.switch_pm_to	string	One of (auto pppw pw pm pq)	NO
import_default.switch_pq_to	string	One of (auto pppw pw pm pq)	NO

Description

type_from_bedrooms

With this option set to **true** we will attempt to set a default property type for any listing that is missing a defined property type.

If our import detects the property has less than 2 bedrooms, we set the property type as Flat, 2 or more equals Semi-detached.

town_from_postcode

With this option set to **true** we will attempt to set the property town location value based upon the properties postcode.

Use this option if many of the agents properties have incorrect or missing town/city information. UK based properties only.

switch_(pw | pppw | pm | pq)_to

These special switch values can be used to manipulate how the rent frequency value is applied to lettings properties we import.

In some cases how an agent advertises their rental prices may be ambiguous and your use-case scenario may require this to be more clearly defined. For example a student rental property might be set as £85 pw, but you may need this switched to £85 pppw.

IMPORT EXCLUDE

These settings allow you to set some basic exclusions on the managers listings in order to reduce the negative impact on your accounts property limits or if you simply want to further filter down the types of properties we present to you via our XML export API.

Please note: these keys and values are an extension of the **POST/ create** and **POST / update** API calls.

KEY NAME	TYPE	NOTE	REQUIRED
import_exclude	object	--	NO
import_exclude.exclude_sector	string	One of (sales lettings)	NO
import_exclude.exclude_sold_let	boolean	Exclude sold, let or let agreed listings	NO
import_exclude.exclude_types	array	One or more property type ID numbers	NO

Description

exclude_sector

Sometimes an agents property data might be shared with many different services and as such the feed they upload to us might contain properties that are not relevant for your service. Use this option to exclude sales or lettings properties when we import their feed.

exclude_sold_let

Agents sometimes upload a feed with properties that are sold or let agreed and these may be listings you don't want us to import.

Set this option to **true** and our import system will exclude properties we detect as either sold, let or let agreed.

exclude_types

Like with the property sector, sometimes agents may upload a feed that contains property types that are inappropriate for your purposes.

For example if you are a student lettings website, you may want to exclude "offices" for rent that the agent had uploaded to us.

This option takes an array of 1 or more property type ID numbers. For the complete list of property types, see this document:

https://estateagentfeeds.com/docs/eaf_xml_export_enums_main.pdf

EXPORT DEFAULTS

These settings define some default conditions that we should apply when we present properties for the manager in our XML export API.

Please note: these keys and values are an extension of the **POST/ create** and **POST / update** API calls.

KEY NAME	TYPE	NOTE	REQUIRED
export_default	object	--	NO
export_default.custom_pw_value	string	Customise the per week label	NO
export_default.custom_pppw_value	string	Customise the per person per week label	NO
export_default.custom_pm_value	string	Customise the per month label	NO
export_default.custom_pq_value	string	Customise the per quarter label	NO

Description

custom_(pw | pppw | pm | pq)_value

When we export rental properties via our XML export API, our default labelling convention for the rent frequency is for example "pm" which means "per month" or "pw" which is shorthand for "per week". If you are displaying values within your website or app directly as provided by our feed you can use these settings to set your own custom frequency labels. For example. "pw" could be "Rent Per Week".