

Person API Methods

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You can use the following API methods to Get a Person, Find a Person, Add a Person, Update a Person, and Add/Update a Person by *external_person_id*.

Get a Person

The following will retrieve a Person by its *person_key*, or *external_person_id*. *Person_id* can also be used, however this field is deprecated and may not be present in future API versions.

You must provide a valid *person_key* or *external_person_id*.

```
GET /companies/:company_key/mobiledb/persons/:person_key
GET /companies/:company_key/mobiledb/persons/external/:external_person_id
GET /companies/:company_key/mobiledb/persons/:person_id
```



Note: A *404 - Not Found* error will be returned if the Person cannot be located.

Request JSON

There is no Request JSON with a GET.

Return JSON

A Person entity.



Note: The following example is of Version 2 of the APIs that uses the [E.164](#) international MDN format. If you are using Version 1 of the API, you cannot use the E.164 format.

```

{
  "person_id": "987654",
  "custom_fields": {
    "Home_Zip": "12345",
    "push_test_home_ownership": null,
    "device_type": null,
    "push_test_first_name": null,
    "company_timezone": "US/Central",
    "push_test_sports_select": [],
    "passid": "wd1377r4",
    "department": null,
    "first_name": "Bob",
    "locations": [],
    "company_native_push_enabled": null,
    "birthdate": "1990-12-01T00:00:00z",
    "company_location": [],
    "push_test_birthdate": "1990-12-01T00:00:00z",
    "loyalty_id": "111234567",
    "fashion_preference": "business",
    "email": "bob@company.com",
    "last_name": "Smith",
    "Work_Zip": "12345",
    "gender": {
      "id": null,
      "name": "Male",
      "option_key": "male",
      "active": true
    },
    "statecounty": null,
    "recipient_list": null
  },
  "external_person_id": "542342",
  "timezone": "US/Central",
  "timezone_source": "api",
  "mobile_phone": {
    "mdn": "+12995551234",
    "carrier_code": "104"
  },
  "created_at": "2013-06-11T20:54:08Z",
  "updated_at": "2017-04-24T14:33:21Z",
  "url": "/companies/:company_key/mobiledb/persons/wd1377r4"
}

```

- An *HTTP 201* status code means the created response will be returned if the object has been successfully created.
- An *HTTP 200* status code means that an OK result will be returned if an existing Person record already exists with the same *mobile_phone*. The record will be updated with the added information. Specified fields in the add request will be applied and any existing data fields on the record will remain unchanged.
- An *HTTP 200* status code can also mean that an OK result will be returned if an *external_person_id* value is specified that already exists, and will attempt to update the existing Person record with the supplied data fields.

Find a Person

The following will locate Person record(s) by other search criteria. Valid search fields can be: *mdn*.

```
GET /companies/:company_key/mobiledb/persons?mdn=:mdn
```

A maximum of 25 records will be returned for locating a Person.



Note: A *404 - Not Found* error will be returned if you do not specify an Mobile Directory Number (MDN) parameter for this index route, if the MDN is in an incorrect format, or if a Person cannot be found.

Request JSON

There is no Request JSON with a GET.

Return JSON

An array of Person elements will be returned for the first 25 Person objects that matched the search query.



Note: The following example is of Version 2 of the APIs that uses the [E.164](#) international MDN format. If you are using Version 1 of the API, you cannot use the E.164 format.

```
[
  {
    "person_id": "987654",
    "external_person_id": "542342",
    "mobile_phone": {
      "mdn": "+12995551234",
      "carrier_code": "104"
    },
    "custom_fields": {
      "first_name": "Steve",
      "rewards_id": "543557654",
      "favorite_stores": [
        {
          "id": "4",
          "name": "My Hardware Store",
          "option_key": "my_hardware_store"
        },
        {
          "id": "12",
          "name": "Local Grocery",
          "option_key": "local_grocery"
        }
      ]
    },
    "timezone": "US/Central",
    "timezone_source": "api",
    "created_at": "2017-01-05T14:30Z",
    "updated_at": "2017-02-08T19:30Z"
  },
  {
    "person_key": "w2e2127r-w413-841w-8t40-480b85dc6t3e",
    "external_person_id": "54234234",
    "mobile_phone": {
      "mdn": "+12995554321",
      "carrier_code": "102"
    },
    "custom_fields": {
      "first_name": "Bob",
      "birthdate": "1990-12-01T00:00:00Z",
      "rewards_id": "543557654",
      "favorite_stores": [
        {
          "id": "12",
          "name": "Local Grocery",
          "option_key": "local_grocery"
        }
      ]
    },
    "timezone": "US/Central",
    "timezone_source": "api",
    "created_at": "2017-01-05T14:30Z",
    "updated_at": "2017-02-08T19:30Z"
  }
]
```

Add a Person

Use the following to create a new Person record.

```
POST /companies/:company_key/mobiledb/persons/
```

The *person_id*, *timezone_source*, *created_at* and *updated_at* fields are not allowed, and any values will be ignored.

The *mobile_phone* field is optional and can be omitted. All custom fields are also optional and may be omitted.

Return JSON

A Person entity.

- An *HTTP 201* status code means the created response will be returned if the object has been successfully created.
- An *HTTP 200* status code means that an OK result will be returned if an existing Person record already exists with the same *mobile_phone*. The record will be updated with the added information. Specified fields in the add request will be applied and any existing data fields on the record will remain unchanged.
- An *HTTP 200* status code can also mean that an OK result will be returned if an *external_person_id* value is specified that already exists, and will attempt to update the existing Person record with the supplied data fields.

Update Person

The following will perform a Net Change update to an existing Person record.

```
PUT /companies/:company_key/mobiledb/persons/:person_key
```



Notes:

- An *HTTP 200* status code means that an OK result will be returned if the operation completes successfully.
- An *HTTP 404 - Not Found* error will be returned if the entity does not exist.

The *person_key*, *timezone_source*, *created_at* and *updated_at* fields are not allowed in the body of the update, and any values will be ignored.

The *MDN* field cannot be changed. If the value is specified and has changed, an *HTTP 409 - Conflict Error* will be returned.

Any fields that are specified will be updated with the new values. Any fields whose value is set to null will be removed from the Person. Any fields completely omitted will be ignored and any existing values will remain.

Return JSON

A Person entity reflecting the new state of the Person.



Note: The following example is of Version 2 of the APIs that uses the [E.164](#) international MDN format. If you are using Version 1 of the API, you cannot use the E.164 format.

```

{
  "person_id": "987654",
  "custom_fields": {
    "Home_Zip": "01234",
    "push_test_home_ownership": null,
    "device_type": null,
    "push_test_first_name": null,
    "company_timezone": "US/Central",
    "push_test_sports_select": [],
    "passid": "wd1377r4",
    "department": null,
    "first_name": "Bob",
    "locations": [],
    "company_native_push_enabled": null,
    "birthdate": "1990-12-01T00:00:00z",
    "company_location": [],
    "push_test_birthdate": "1990-12-01T00:00:00z",
    "loyalty_id": "111234566",
    "fashion_preference": "business",
    "email": "bob@company2.com",
    "last_name": "Smith_Johnson",
    "Work_Zip": "01234",
    "gender": {
      "id": null,
      "name": "Male",
      "option_key": "male",
      "active": true
    },
    "statecounty": null,
    "recipient_list": null
  },
  "external_person_id": "542342",
  "timezone": "US/Central",
  "mobile_phone": {
    "mdn": "+12995551234",
    "carrier_code": "104"
  },
  "url": "/companies/:company_key/mobiledb/persons/wd1377r4"
}

```

- An *HTTP 201* status code means the created response will be returned if the object has been successfully created.
- An *HTTP 200* status code means that an OK result will be returned if an existing Person record already exists with the same *mobile_phone*. The record will be updated with the added information. Specified fields in the add request will be applied and any existing data fields on the record will remain unchanged.
- An *HTTP 200* status code can also mean that an OK result will be returned if an *external_person_id* value is specified that already exists, and will attempt to update the existing Person record with the supplied data fields.

Add/Update a Person (by external_person_id)

The following will create and/or update a Person record that is identified by the *external_person_id*.

```
PUT /companies/:company_key/mobiledb/persons/external/:external_person_id
```

The *person_id*, *timezone_source*, *created_at* and *updated_at* fields are not allowed in a PUT request, and any values will be ignored.

The *mobile_phone* field is optional and can be omitted. All custom fields are also optional and may be omitted.

Return JSON

A Person entity.

- An *HTTP 201* status code means the created response will be returned if the object has been successfully created.
- An *HTTP 200* status code means that an OK result will be returned if an existing Person record already exists, either with the *external_person_id* or with the same *mobile_phone*. The record will be updated with the added information. Specified fields in the PUT request will be applied, and any existing data fields on the record will remain unchanged. The *external_person_id* of the Person in the URL will change to the *external_person_id* in the request if specified.
- An *HTTP 409 - Conflict Error* will be returned if an update to the Person's existing *mobile_phone* is attempted.

