



Complete end-to-end Hosting and Managed Service for Web Applications

REST API Documentation for Morph Partner Developers
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This document details the API for Morph Partner Developers that conforms with the Representational State Transfer¹ (REST) architectural style. The REST API provides Morph partner developers with a list of Morph AppSpace subscriptions that their users have subscribed to.

A Morph account is assigned with a unique referral code. You can view the referral code from the Morph Control Panel Account tab. If you wish to become a Morph partner developer, you need to request for authorization from Morph. Once you are already authorized as a partner developer, you can now use your referral code to obtain a list of your user's Morph AppSpace subscriptions through the REST API. When you have generated the list of your user's Morph AppSpace subscriptions, you can now deploy your user's application to the Morph AppSpace using the `mex_app_key` of the application and the user's `deploy_key`. Refer to **Deploying an Application to the Morph AppSpace** below.

Note: The user must have provided you with details of the `deploy_key` prior to using this API.

The following lists the information you need to retrieve your user's list of Morph AppSpace subscriptions:

URL: https://www.morphexchange.com/partner_app/mex_app_keys/:partner_app_key?deploy_key=user_account_deploy_key

Method: GET

Protocol: SSL

Parameters: `partner_app_key`, `deploy_key`

Header: "Accept: application/xml"

Parameters:

- `partner_app_key` - This is the partner developer's referral code which can be retrieved from the Morph Control Panel Account tab.
- `deploy_key` - This is the user account deploy key which can be retrieved from the Morph Control Panel Account tab. The deploy key is generated and assigned to each Morph account.

You can use Curl to test the API:

```
curl -H "Accept: application/xml" "https://www.morphexchange.com/partner_app/mex_app_keys/abcdefghijkl2553fd909b225bf?deploy_key=abcdefghijkltsa389456781khsjd4590rpalhr3"
```

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¹ Representational State Transfer (REST) is a style of software architecture for distributed hypermedia systems such as the World Wide Web. Source: http://en.wikipedia.org/wiki/Representational_State_Transfer

When you have successfully used the REST API, you will get an XML (with the HTTP status code of 200) such as this:

```
<?xml version="1.0" encoding="UTF-8"?>
<morph-apps>
  <morph-app>
    <description> first MAPped hello </description>
    <domain-name>hello</domain-name>
    <mex-app-key> thurshatwpalng58934520984321 </mex-app-key>
    <name>hello</name>
  </morph-app>
  <morph-app>
    <description>A Beast instance on the MAP</description>
    <domain-name>gbeast</domain-name>
    <mex-app-key> 673jkososapauedkdicjejeien40 </mex-app-key>
    <name>Beast for User</name>
  </morph-app>
</morph-app>
  . . . . .
</morph-app>
</morph-apps>
```

If you encounter an error that states “user or account is not found”, you will get an XML with an error message (with the HTTP status code of 400) such as this:

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <error> account with deployment key:
  abcdefghjytlsa389456781khsjd4590rpalhr3 not found</error>
</hash>
```

Deploying an Application to the Morph AppSpace

Deploying and running your user's application to the Morph AppSpace is easy. Since you already retrieved your user's `mex_app_key` from the API output, you can now call `cap -f morph_deploy.rb morph:deploy -s mex_app_key=_the_mex_app_key -s deploy_key=_user_account_deploy_key_``.

Wait for a few minutes (while the application is being initialized) and then in a browser go to `<app>.morphexchange.com`.



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Morph Labs uses virtual infrastructures including Amazon Web Services to provide a truly elastic environment for Web applications that can be instantly provisioned and seamlessly scaled.

Morph Labs is a global company with headquarters in Cebu City, Philippines with additional in-country operations in Manila along with Los Angeles, California and Austin, Texas in the U.S.A.

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