**The REST API**

To use the API, use the application URL, which is currently <http://calm-plains-3168.herokuapp.com>.

The API uses the same controller methods as the application, so it only uses methods GET and POST.

Set the headers *Accept* and *Content-Type* to *application/json* or *text/json*.

Authentication is required using either */login* or by setting headers *username* and *password*.

To post data, send a valid JSON body, i.e. in curly braces.

Data from GET requests is returned as key-value pairs.

Data from POST requests has a key of *“success”*, *“info”*, *or “error”*, with an appropriate message.

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| **Task** | **Method** | **URL** |
| Log in | POST | /login |
| Log out | GET | /logout |
| Home page | GET | / |
| Get all analysts | GET | /analysts |
| Create analyst | POST | /analysts/0 |
| Get analyst | GET | /analysts/<id> |
| Update analyst | POST | /analysts/<id> |
| Delete analyst | POST | /analysts/<id>/delete |
| Get analyst’s desks | GET | /analysts/<id>/desks |
| Assign analyst to a desk | POST | /analysts/<id>/addDesk/<deskId> |
| Remove analyst from a desk | POST | /analysts/<id>/delDesk/<deskId> |
| Get analyst’s notes | GET | /analysts/<id>/notes |
| Get note for analyst | GET | /analysts/<aId>/note/<nId> |
| Create note for analyst | POST | /analysts/<aId>/note/0 |
| Update note for analyst | POST | /analysts/<aId>/note/<nId> |
| Delete note for analyst | POST | /analysts/<aId>/note/<nId>/delete |
| Get analyst’s profile image filename | GET | /analysts/<id>/profileImage |
| Update analyst’s profile image | POST (file, no JSON) | /analysts/<id>/uploadProfileImage |
| Get analyst’s CV document filename | GET | /analysts/<id>/cvDocument |
| Update analyst’s CV document | POST (file, no JSON) | /analysts/<id>/uploadCvDocument |
| Get all users | GET | /users |
| Get user | GET | /users/<id> |
| Create user | POST | /users/0 |
| Update user | POST | /users/<id> |
| Delete user | POST | /users/<id>/delete |
| Get user’s groups | GET | /users/<id>/groups |
| Assign user to group | POST | /users/<uId>/addGroup/<gId> |
| Delete user from group | POST | /users/<uId>/delGroup/<gId> |
| Update user’s password | POST | /users/<id>/password |

Examples of POST requests

|  |  |
| --- | --- |
| **URL** | **Data** |
| Log in  /login | { "username": "savbalac", "password": "h0tsp0t" } |
| Create analyst  To update use the non-zero id  /analysts/0 | { "analystId": "0",  "salutation": "Mr.",  "firstname": "Sav",  "lastname": "Balac",  "rank":  {  "id": "13",  "name": "Senior Analyst"  },  "primaryDesk":  {  "deskId": "27",  "name": "Cyber Security",  "coordinator": "false"  },  "status":  {  "statusId": "30",  "statusName": "Removed Resignation"  },  "mobile": "07773 999999",  "phone": "01462 999999",  "email": "email@yahoo.co.uk",  "emailAlternate": "alternate@yahoo.co.uk",  "paypalAccountEmail": "paypal@yahoo.co.uk",  "emailverified": "true",  "phoneVerified": "true",  "contractSigned": "true",  "wikiUsername": "wikiuser",  "skype": "skypeid",  "highriseAccount": "Highrise a/c",  "address1": "1 High Street",  "address2": "The Village",  "city": "The City",  "state": "Hertfordshire",  "zip": "SG4 9AA",  "country": "United Kingdom",  "countryOfResidence": "England",  "positionDescription": "Position",  "academic": "BSc Computer Science, PhD Computer Science",  "expertise": "Updated expertise. Updated 10/12/13 13:39.",  "biography": "Biography"  } |
| Delete analyst  /analysts/<id>/delete | { } |
| Assign analyst to a desk  /analysts/<id>/addDesk/<deskId> | { } |
| Remove analyst from a desk  /analysts/<id>/delDesk/<deskId> | { } |
| Create note for analyst  To update use the non-zero id  /analysts/<aId>/note/0 | { "noteId": "0", "title": "A title", "content": "Content…" } |
| Delete note for analyst  /analysts/<aId>/note/<nId>/delete | { } |
| Update analyst’s profile image  /analysts/<id>/uploadProfileImage | Send a file not JSON. The raw file won’t have its content type checked and will be renamed *Profile*. |
| Update analyst’s CV document  /analysts/<id>/uploadCvDocument | Send a file not JSON. The raw file will be renamed *CV.* |
| Create user  /users/0 | { "id": "0",  "username": "newuser",  "password": "newpassword",  "confirmPassword": "newpassword",  "email": "newuser@yahoo.co.uk",  "fullname": "New User"  } |
| Update user  /users/<id> | { "id": "461",  "username": "newuser",  "email": "updated@yahoo.co.uk",  "fullname": "New User Updated",  "groups": [  {  "id": "1",  "name": "Admin"  }  ]  } |
| Delete user  /users/<id>/delete | { } |
| Assign user to group  /users/<uId>/addGroup/<gId> | { } |
| Delete user from group  /users/<uId>/delGroup/<gId> | { } |
| Update user’s password  /users/<id>/password | { "id": "461",  "username": "newuser",  "newPassword": "updatedPassword",  "confirmPassword": "updatedPassword",  "email": "updated@yahoo.co.uk",  "fullname": "New User Updated"  } |