

REST API verification with hand-off to hosted upload



This is a demonstration of the setup and use of a SheerID configuration that relays document review errors to an API user and collects any necessary subsequent document uploads in a minimally-branded hosted page. curl is used to demonstrate the REST API requests from a command line and python - mjson.tool is used to format the JSON response. It is assumed that TOKEN is an environment variable containing the actual API access token.

One-time setup steps

Create a template for directly receiving subsequent uploads

```
$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/template -d 'name=upload-demo' -d _affiliationTypes=ACTIVE_DUTY -d theme=simple-form-branded
{
  "active": true,
  "config": {
    "affiliationTypes": [
      "ACTIVE_DUTY"
    ],
    "assetTypes": [
      "INSURANCE_CARD",
      "OFFICIAL_LETTER",
      "ID_CARD",
      "DATED_ID_CARD",
      "OTHER",
      "PAY_STUB"
    ],
    "consolationRewardIds": [],
    "metadata": null,
    "rewardIds": [],
    "verificationTypes": [
      "AUTHORITATIVE",
      "ASSET_REVIEW"
    ]
  },
  "expires": null,
  "id": "54b9556ee4b067a39b267848",
  "metadata": {
    "theme": "simple-form-branded",
    "view-logo": "<img src='\"https://robohash.org/mylogo.png\"' alt='\"Demo Page\"' />",
    "view-upload_only-content-header": "<p>Please upload a file that demonstrates your active duty military service.</p>"
  },
  "name": "upload-demo"
}
```

Map the namespace (assign a friendly URL)

```
$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/namespace/upload-demo -X PUT -d templateId=54b9556ee4b067a39b267848 | python -mjson.tool
{
  "name": "upload-demo",
  "templateId": "54b9556ee4b067a39b267848"
}
```

Set up email notifier to convey document review error and request additional upload

```
$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/notifier -d type=EMAIL -d "failureEmailSubject=SheerID - Action required" -d "failureEmail=<p>There
{
  "config": {
    "emailFromAddress": "Verify@sheerid.com",
    "failureEmail": "<p>There was an issue with your documentation:</p>${errorblock}<p><a href='\"${uploadUrl}\"'>Please upload documentation to resolve these issues</a></p>",
    "failureEmailSubject": "SheerID - Action required",
    "uploadUrl": "https://verify-demo.sheerid.com/upload-demo/upload-only.html",
    "uploadTokenParameterName": "uploadToken"
  },
  "filters": [],
  "id": "54b955cae4b078cd23483732",
  "tags": [],
  "type": "EMAIL"
}
```

Verification steps

Perform an instant verification (fail to verify)

```
$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/verification -d FIRST_NAME=Joe -d LAST_NAME=Test -d EMAIL=test@sheerid.com -d BIRTH_DA
{
  "affiliations": [
    {
      "attributes": [],
      "end": null,
      "organizationId": 4081,
      "organizationName": "Coast Guard Reserve",
      "start": 1392833973152,
      "type": "VETERAN",
      "updated": 1421432373152
    }
  ],
  "errors": [
    {
      "code": 92,
      "message": "Sandbox: odd birth year",
    }
  ]
}
```

```

    "propertyName": null
  }
],
"inactiveAffiliations": [
  {
    "attributes": [],
    "end": 1392833973152,
    "organizationId": 4081,
    "organizationName": "Coast Guard Reserve",
    "start": 844021173152,
    "type": "ACTIVE_DUTY",
    "updated": 1421432373152
  }
],
"metadata": {},
"request": {
  "assetMap": {},
  "config": {
    "affiliationTypes": [
      "ACTIVE_DUTY"
    ],
    "assetTypes": [
      "INSURANCE_CARD",
      "OFFICIAL_LETTER",
      "ID_CARD",
      "DATED_ID_CARD",
      "OTHER",
      "PAY_STUB"
    ],
    "consolationRewardIds": [],
    "metadata": null,
    "rewardIds": [],
    "verificationTypes": [
      "AUTHORITATIVE",
      "ASSET_REVIEW"
    ]
  },
  "metadata": {},
  "organization": null,
  "personId": "54b95635e4b067a39b267854",
  "timestamp": 1421432373117,
  "userId": "4f70bfcfe4b01f7e8bec652e"
},
"requestId": "54b95635e4b067a39b267855",
"result": false,
"status": "COMPLETE",
"timestamp": 1421432373152
}

```

Generate an asset upload token

```

$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/asset/token -d requestId=54b95635e4b067a39b267855 | python -mjson.tool
{
  "expires": 1421518786188,
  "token": "5215e0d02ad9c93314657a746f1c934c"
}

```

Upload asset via REST API

```

$ curl -s https://services-sandbox.sheerid.com/rest/0.5/asset -F token=5215e0d02ad9c93314657a746f1c934c -F file=@SandboxTesting~REJECTED.png | python -mjson.tool
[
  {
    "assetType": null,
    "comments": [],
    "created": 1421432401526,
    "errors": [],
    "expires": null,
    "id": "54b95651e4b067a39b26785a",
    "issued": null,
    "name": "SandboxTesting~REJECTED.png",
    "size": 5381,
    "status": "PENDING_REVIEW",
    "type": "image/png"
  }
]

```

Alternatives

NOTE: this action could also have been performed by the end-user directly at this URL:

<https://verify-demo.sheerid.com/upload-demo/upload-only.html?uploadToken=5215e0d02ad9c93314657a746f1c934c>

Or, for that matter, at this URL:

<https://services-sandbox.sheerid.com/upload/?token=5215e0d02ad9c93314657a746f1c934c>

Or by using the "direct upload" technique described in this document:

<http://developer.sheerid.com/direct-upload.html>

Inquire (result is false)

```

$ curl -s -H "Authorization: Bearer $TOKEN" https://services-sandbox.sheerid.com/rest/0.5/verification/54b95635e4b067a39b267855 | python -m json.tool

```

```

{
  "affiliations": [
    {
      "attributes": [],
      "end": null,
      "organizationId": 4081,
      "organizationName": "Coast Guard Reserve",
      "start": 1392833973152,
      "type": "VETERAN",
      "updated": 1421432373152
    }
  ],
  "errors": [
    {
      "code": 92,
      "message": "Sandbox: odd birth year",
      "propertyName": null
    }
  ],
  "inactiveAffiliations": [
    {
      "attributes": [],
      "end": 1392833973152,
      "organizationId": 4081,
      "organizationName": "Coast Guard Reserve",
      "start": 844021173152,
      "type": "ACTIVE_DUTY",
      "updated": 1421432373152
    }
  ],
  "metadata": {},
  "request": {
    "assetMap": {},
    "config": {
      "affiliationTypes": [
        "ACTIVE_DUTY"
      ],
      "assetTypes": [
        "INSURANCE_CARD",
        "OFFICIAL_LETTER",
        "ID_CARD",
        "DATED_ID_CARD",
        "OTHER",
        "PAY_STUB"
      ],
      "consolationRewardIds": [],
      "metadata": null,
      "rewardIds": [],
      "verificationTypes": [
        "ASSET_REVIEW",
        "AUTHORITATIVE"
      ]
    },
    "metadata": {},
    "organization": null,
    "personId": "54b95635e4b067a39b267854",
    "timestamp": 1421432373114,
    "userId": "4f70bfcfe4b01f7e8bec652e"
  },
  "requestId": "54b95635e4b067a39b267855",
  "result": false,
  "status": "COMPLETE",
  "timestamp": 1421432401740
}

```

End-user receives email

Contains a link to upload an additional document:

<https://verify-demo.sheerid.com/upload-demo/upload-only.html?uploadToken=13c1fbedabb067652fb4668a163a42>

Follow link, upload a file

Opened the above link in a browser and uploaded a file named SandboxTesting~ACCEPTED.png so it would get approved

Inquire (result is now true)

\$ curl -s -H "Authorization: Bearer \$TOKEN" https://services-sandbox.sheerid.com/rest/0.5/verification/54b95635e4b067a39b267855 | python -m json.tool

```

{
  "affiliations": [
    {
      "attributes": [],
      "end": null,
      "organizationId": 0,
      "organizationName": "UNKNOWN",
      "start": null,
      "type": "ACTIVE_DUTY",
      "updated": null
    },
    {
      "attributes": [],
      "end": null,
      "organizationId": 4081,
      "organizationName": "Coast Guard Reserve",

```

```
    "start": 1392833973152,
    "type": "VETERAN",
    "updated": 1421432373152
  }
],
"errors": [],
"inactiveAffiliations": [
  {
    "attributes": [],
    "end": 1392833973152,
    "organizationId": 4081,
    "organizationName": "Coast Guard Reserve",
    "start": 844021173152,
    "type": "ACTIVE_DUTY",
    "updated": 1421432373152
  }
],
"metadata": {},
"request": {
  "assetMap": {},
  "config": {
    "affiliationTypes": [
      "ACTIVE_DUTY"
    ],
    "assetTypes": [
      "OTHER",
      "OFFICIAL_LETTER",
      "INSURANCE_CARD",
      "PAY_STUB",
      "DATED_ID_CARD",
      "ID_CARD"
    ],
    "consolationRewardIds": [],
    "metadata": null,
    "rewardIds": [],
    "verificationTypes": [
      "ASSET_REVIEW",
      "AUTHORITATIVE"
    ]
  },
  "metadata": {},
  "organization": null,
  "personId": "54b95635e4b067a39b267854",
  "timestamp": 1421432373114,
  "userId": "4f70bfcfe4b01f7e8bec652e"
},
"requestId": "54b95635e4b067a39b267855",
"result": true,
"status": "COMPLETE",
"timestamp": 1421432624276
}
```