

REST API verification with hand-off to hosted upload

This document is the extended version of [Handing off instant verification to a hosted upload page](#). See the [summarized version](#).

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 -d 'view-logo=' -d
'view-upload_only-content-header=<p>Please upload a file that demonstrates your
active duty military service.</p>' | python -mjson.tool
{
  "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 $TOKEN"
https://services-sandbox.sheerid.com/rest/0.5/notifier -d type=EMAIL -d
"failureEmailSubject=SheerID - Action required" -d 'failureEmail=<p>There was an
issue with your documentation:</p>${errorblock}<p><a href="${uploadUrl}">Please
upload documentation to resolve these issues</a></p>' -d
uploadUrl=https://verify-demo.sheerid.com/upload-demo/upload-only.html -d
uploadTokenParameterName=uploadToken -d emailFromAddress=Verify@sheerid.com |
python -mjson.tool
{
  "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_DATE=1971-03-24 -d
_affiliationTypes=ACTIVE_DUTY | python -mjson.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": [
          "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

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=5215e0d02a
d9c93314657a746f1c934c
```

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=13c1fbedadabb067652fb4668a163a42

```

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
}
```