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SecureDoc Enterprise Web API

In R8.3 SR1, SecureDoc Enterprise Server (SES) provided a set of REST APIs through which product functionality is exposed to integrating systems.

Web API Workflow – Setting the API rights

In order to use the API, a user has to be granted the role named “API Access” via the SES Web Console user rights assignment process. This role is required for all API calls. The authentication API requires only the API Access role, as shown below:

Access is provided through https://hostname/api/Account/Login

In order to enable additional access via the API in order to perform Challenge / Response, the Manage Users role is also required, in addition to the API Access role.

The call for the Challenge Response API is made via the following URL:

/api/user/challengeresponse?userid=[UserID]&challenge=[Challenge]&isDecimal=[isDecimal]
# Web API authentication

In order to access APIs the web api must be authenticated using user credentials. This method generates a Bearer Token.

**Summary:**

**URL:** /api/Account/Login

**Type:** POST

**Header:** Content-Type = application/x-www-form-urlencoded

**Parameters:**

- user = [User]
- password = [Password]
### GetToken

**POST** GetToken | **GET** ChallengeResponse | **GET** https://seswin2012:44302/api/Account/Login

<table>
<thead>
<tr>
<th>Params</th>
<th>Authorization</th>
<th>Headers (1)</th>
<th>Body</th>
<th>Pre-request Script</th>
<th>Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Content-Type</strong></td>
<td>application/x-www-form-urlencoded</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key</td>
<td>Value</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>Cookies</td>
<td>Headers (10)</td>
<td>Test Results</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```
1. "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiJvdW5kLWRpdGxlIiwiaWF0IjoxNjM2ODE0MjAsImRldiI6MX0.eyJpc3MiOiJraWFsVmlsbCIsIm9uIjoiYmFyb24gZGVhY2h5LmNvbnNlY3RhbCIsImlhdCI6MTY1NjM3NjcofQ.e9L0hVb-tBvi6cGJpZqcK-WdoGpR-YZ9BQOOGn腒JRvQy0Upqk2j8D_Y0oq72gEzGHuLoe0pM8QaR9GT5TzBAzYw"
2. "token_type": "Bearer"
```
Web API Challenge Response consumption

The API for challenge response needs to contain the token as a header for authorization.

The isDecimal parameter is to be given a value of either 1 or 0

1 means the challenge string is numeric/decimal

0 means the challenge string is Hex

URL: /api/User/ChallengeResponse

Type: GET

Header: Authorization = Bearer [Token from Login API]

Parameters: userid = [User], challenge = [Challenge String], isdecimal = [0 or 1]
WinMagic provides the world’s most secure, manageable and easy-to-use data encryption solutions. Compatible with all editions of Microsoft Windows Vista, 7, and 10 as well as Mac and Linux platforms, WinMagic’s SecureDoc protects sensitive data stored on portable media such as laptops and removable media including USB thumb drives and CD/DVDs. Thousands of the most security conscious enterprises and government organizations around the world depend on SecureDoc to minimize business risks, meet privacy and regulatory compliance requirements, and protect valuable information assets against unauthorized access. With a full complement of professional and customer services, WinMagic supports over three million SecureDoc users in approximately 43 countries. For more information, please visit www.winmagic.com, call 1-888-879-5879 or e-mail us at info@winmagic.com.