Http Request With NTLM Authentication

# Overview

NTLM is the default authentication protocol in Windows environments, providing a mechanism for user authentication within a Windows domain. NTLM authentication operates on a challenge-response mechanism. When a user attempts to access a network resource, the server challenges the client to prove its identity.

### **Functions**

1. httpgetbase64response
2. httpgetbase64responseusingscs
3. httpgetwithresponse
4. httpgetwithresponseusingscs
5. httppostwithresponse
6. httppostwithresponseusingscs

### **Smart Services:**

1. Send Http Post Request with Documents
2. Send Http Post Request with Documents using SCS

# Http GetBase64 response:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured.  |
| 6 | user  | Text | The username used for authentication in the API request. Pass null if none |
| 7 | password | Text | Provide the password for authentication in the API request. Pass null if no password is required. |
| 8 | domain | Text | The Domain to which the API request should target. Pass null if none. |
| 9 | timeout | Number | The timeout duration (in seconds) for the API request. |
| 10 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 11 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

The base64 string of the response obtained.

# Http GetBase64 Response Using SCS:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured.  |
| 6 | scsKey | Text | The third-party credentials key for connecting to external systems that contains username, password. Use null if authentication with Secure Credential Store values is not needed. |
| 8 | domain | Text | The Domain to which the API request should target. Pass null if none |
| 9 | timeout | Number | The timeout duration (in seconds) for the API request |
| 10 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 11 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

 The base64 string of the response obtained.

# Http Get With response:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured.  |
| 6 | user  | Text | The username used for authentication in the API request. Pass null if none |
| 7 | password | Text | Provide the password for authentication in the API request. Pass null if no password is required. |
| 8 | domain | Text | The Domain to which the API request should target. Pass null if none |
| 9 | timeout | Number | The timeout duration (in seconds) for the API request |
| 10 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 11 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

 Returns the reponse of the request made.

# Http Get With Response Using SCS:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured.  |
| 6 | scsKey | Text | The third-party credentials key for connecting to external systems that contains username, password. |
| 8 | domain | Text | The Domain to which the API request should target. Pass null if none |
| 9 | timeout | Number | The timeout duration (in seconds) for the API request |
| 10 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 11 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

 Returns the reponse of the request made.

# Http Post With response:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured. |
| 6 | body | Text | The body parameter in an API request contains essential data. Use null if none. |
| 7 | user  | Text | The username used for authentication in the API request. Pass null if none |
| 8 | password | Text | Provide the password for authentication in the API request. Pass null if no password is required. |
| 9 | domain | Text | The Domain to which the API request should target. Pass null if none |
| 10 | timeout | Number | The timeout duration (in seconds) for the API request |
| 11 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 12 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

 Returns the reponse of the request made.

# Http Post With Response Using SCS:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | endPoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | parameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | parameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | headerNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | headerValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured. |
| 6 | body | Text |  The body parameter in an API request contains essential data. Use null if none. |
| 7 | scsKey | Text | The third-party credentials key for connecting to external systems that contains username, password. |
| 9 | domain | Text | The Domain to which the API request should target. Pass null if none |
| 10 | timeout | Number | The timeout duration (in seconds) for the API request |
| 11 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 12 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

 Returns the reponse of the request made.

# Send Http Post Request with Documents:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | Endpoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | ParameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | ParameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | HeaderNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | HeaderValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured. |
| 6 | Documents | List of Documents | List of the document that needs to be passed in the API request |
| 7 | DocumentParameterNames | List of Text | List of the document names associated with the Documents |
| 8 | Body | Text |  The body parameter in an API request contains essential data. Use null if none. |
| 9 | User  | Text | The username used for authentication in the API request. Pass null if none |
| 10 | Password | Text | Provide the password for authentication in the API request. Pass null if no password is required. |
| 11 | Domain | Text | The Domain to which the API request should target. Pass null if none |
| 12 | Timeout | Number | The timeout duration (in seconds) for the API request |
| 13 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 14 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | Status Code | Number | Status code of the API request  |
| 2 | Error Occured | Boolean | Sets to true if any error occured. |
| 3 | Error Message | Text | Sets the error message if any. |
| 4 | Response Body | Text | Returns the response body of the API request |

## Screenshot:



# Send Http Post Request with Documents Using SCS:

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | Endpoint | Text | The HTTP endpoint that the GET methods should target. |
| 2 | ParameterNames | List of Text | A list of query parameter names. Use curly braces '{}' if no parameters need to be configured. |
| 3 | ParameterValues | List of Text | A list of query parameter values. Use curly braces '{}' if no parameters need to be configured. |
| 4 | HeaderNames | List of Text | A list of HTTP Header names. Use curly braces '{}' if no headers need to be configured. |
| 5 | HeaderValues | List of Text | A list of HTTP Header values. Use curly braces '{}' if no headers need to be configured. |
| 6 | Documents | List of Documents | List of the document that needs to be passed in the API request |
| 7 | DocumentParameterNames | List of Text | List of the document names associated with the Documents |
| 8 | Body | Text |  The body parameter in an API request contains essential data. Use null if none. |
| 9 | secureCredStoreKey | Text | The third-party credentials key for connecting to external systems that contains username, password.  |
| 11 | Domain | Text | The Domain to which the API request should target. Pass null if none |
| 12 | Timeout | Number | The timeout duration (in seconds) for the API request |
| 13 | proxyHost  | Text | The hostname or IP address of the proxy server to be used in the API request. Use null if no proxy server is applicable. |
| 14 | proxyPort | Text | The port number on the proxy server to establish the connection for the API request. Use null if no proxy server is applicable |

## Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Type** | **Description** |
| 1 | Status Code | Number | Status code of the API request  |
| 2 | Error Occured | Boolean | Sets to true if any error occured. |
| 3 | Error Message | Text | Sets the error message if any. |
| 4 | Response Body | Text | Returns the response body of the API request |

## Screenshot:

