Using SLIM CD’s Extra Data Fields

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# Introduction

You can set additional data to be stored with SLIM CD transactions, then retrieve that additional data. When setting data, you specify the gateid of the transaction that you wish to augment with additional stored data.

When you save the extra data, you can also specify an “extra key” that can be used to retrieve the data using the unique “extra key” value as an identifier.

Multiple fields and values can be saved for a single transaction, allowing you to save 1K per field in an unlimited number of fields.

# Entry Points

SetExtra.asp – Sets or updates the fields for a gateid

* To retrieve the XML response, use this URL:

<https://trans.slimcd.com/wswebservices/setextra.asp>

* To retrieve the JSON response, use this URL:

<https://trans.slimcd.com/soft/json/jsonscript.asp?service=SetExtra>

GetExtra.asp – Retrieves the additional data fields.

* To retrieve the XML response, use this URL:

<https://trans.slimcd.com/wswebservices/getextra.asp>

* To retrieve the JSON response, use this URL:

<https://trans.slimcd.com/soft/json/jsonscript.asp?service=GetExtra>

Note that:

* Either HTTP GET or HTTP POST can be used, for either XML results or JSON/JSONP results.
* If you require JSON, you can use the JSONSCRIPT.ASP entry point. This entry point requires the “service” parameter to specify the functionality you desire (service=SetExtra or service=GetExtra).
* The jsonscript.asp entry point can accept either name/value pairs or JSON as input. The content-type is used to specify what you are sending. This is the same as all other jsonscript.asp functions. See the <http://developer.slimcd.com> website for JSON examples, how to specify content-type.
* The jsonscript.asp entry point can return either pure JSON or JSONP (JSONP is returned if a callback is included as a parameter in the jsonscript.asp call. See the <http://developer.slimcd.com> website for JSON examples, how to specify callback parameter for JSONP

# SetExtra.asp

XML URL: [https://trans.slimcd.com/wswebservices/setextra.asp](https://stats.slimcd.com/soft/setextra.asp)

JSON URL: <https://trans.slimcd.com/soft/json/jsonscript.asp?service=SetExtra>

Method: Supports HTTP GET or HTTP POST

Note that for the XML URL, name/values are posted and XML is returned. For the JSON URL, the standard “jsonscript.asp” is used, with the service= specifying the service. For JSON, the fields can be in either name/value pairs or as a JSON body (based on the content-type). The standard JSON callback is also available. See the SLIM CD JSON documentation for more information on using “jsonscript.asp”

Parameters:

|  |  |  |
| --- | --- | --- |
| Parameter Name | Required | Value |
| username | Yes | Username, clientid, or API ACCESS CREDENTIAL |
| password | Yes | Password for the username/clientid, or empty when using an API ACCESS CREDENTIAL |
| clientid | No | SLIM CD Client ID |
| siteid | No | SLIM CD Site ID |
| gateid | Yes | Gateid of the transaction which is to receive the extra data |
| extrakey | no | Some unique identifier that you can use instead of the gateid when requesting the extradata |
| (fieldname) | No | (fieldvalue) |
| … | No | … |

Notes:

1. You can have as many fieldnames as you like in the request
2. If you specify an extrakey and value, you can use the extrakey to retrieve the extradata instead of the gateid
3. If you call setextra.asp a second time, it can update either the extrakey (if specified) or any fields (if specified)
4. Only one extrakey can be specified for a gateid. Calling setextra.asp with a different value for extrakey will update the extrakey to the new value.
5. If you call getextra without a gateid and just an extrakey, only the extra data for the most recent transaction with that extrakey will be returned. So using a unique value for extrakey is highly recommended.

### SetExtra Examples:

For these examples, we will use HTTP GET so all the parameters are on the URL. Note that HTTP POST is always preferred, but not required. For SetExtra, you can call the entry point that returns XML or the entry point that returns JSON or JSONP.

**HTTP GET requesting XML:**

[https://trans.slimcd.com/wswebservices/setextra.asp?username=R6UT8C6M&password=&gateid=545781482&extrakey=myuniquevalue&mycustomfield=mycstomvalue&anotherfield=somevalue](https://stats.slimcd.com/soft/setextra.asp?username=R6UT8C6M&password=&gateid=545781482&extrakey=myuniquevalue&mycustomfield=mycstomvalue&anotherfield=somevalue)

**XML REPLY:**

<reply>

< response>Success</response>

<responsecode>0</responsecode>

<description>OK</description>

<responseurl>/wswebservices/setextra.asp</responseurl>

<datablock>

<extraid>2734</extraid>

</datablock>

</reply>

The above reply shows that the gateid provided (545781482) has stored the extrakey and all the fields with an extraid of 2734. The extraid is SLIM CD’s internal record number for the extra data.

**HTTP GET requesting JSON, using name/value pairs:**

<https://trans.slimcd.com/soft/json/jsonscript.asp?service=SetExtra&username=R6UT8C6M&password=&gateid=545781482&extrakey=myuniquevalue&mycustomfield=mycstomvalue&anotherfield=somevalue>

**JSON REPLY:**

{

"reply":{

"response":"Success",

"responsecode":"0",

"description":"OK",

"responseurl":"/soft/setextra.asp",

"datablock":{"extraid":"2734"}

}

}

# GetExtra.asp

XML URL: [https://trans.slimcd.com/wswebservices/getextra.asp](https://stats.slimcd.com/soft/getextra.asp)

JSON URL: <https://trans.slimcd.com/soft/json/jsonscript.asp?service=SetExtra>

Method: Supports HTTP GET or HTTP POST

Note that for the XML URL, name/values are posted and XML is returned. For the JSON URL, the standard “jsonscript.asp” is used, with the service= specifying the service. For JSON, the fields can be in either name/value pairs or as a JSON body (based on the content-type). The standard JSON callback is also available. See the SLIM CD JSON documentation for more information on using “jsonscript.asp”

Parameters:

|  |  |  |
| --- | --- | --- |
| Parameter Name | Required | Value |
| username | Yes | Username, clientid, or API ACCESS CREDENTIAL |
| password | Yes | Password for the username/clientid, or empty when using an API ACCESS CREDENTIAL |
| clientid | No | SLIM CD Client ID |
| siteid | No | SLIM CD Site ID |
| gateid | Conditional | Gateid of the transaction which is to receive the extra data |
| extrakey | Conditional | Some unique identifier that you can use instead of the gateid when requesting the extradata |

Notes:

1. You must specify either the gateid of the transaction that contains extra data, or the extrakey value.
2. If you specify the extrakey, only the data for the most recent transaction with that extrakey’s value will be returned.

### GetExtra Examples:

For GetExtra, you can call the entry point that returns XML or the entry point that returns JSON or JSONP. You can specify either a GATEID or an ExtraKey to identify the transaction.

HTTP GET requesting XML, using a GATEID:

[https://trans.slimcd.com/wswebservices/getextra.asp?username=R6UT8C6M&password=&gateid=545781482](https://stats.slimcd.com/soft/getextra.asp?username=R6UT8C6M&password=&gateid=545781482)

XML REPLY:

<reply>

<response>Success</response>

<responsecode>0</responsecode>

<description>OK</description>

<responseurl>/wswebservices/getextra.asp</responseurl>

<datablock>

<extraid>2734</extraid>

<gateid>545781482</gateid>

<extrakey>myuniquevalue</extrakey>

<anotherfield>somevalue</anotherfield>

<mycustomfield>mycstomvalue</mycustomfield>

</datablock>

</reply>

HTTP GET requesting JSON, using a GATEID:

<https://trans.slimcd.com/soft/json/jsonscript.asp?service=GetExtra&username=R6UT8C6M&password=&gateid=545781482>

Here are examples using the extrakey instead of the gateid:

HTTP GET requesting XML by using an EXTRAKEY value:

[https://trans.slimcd.com/wswebservices/getextra.asp?username=R6UT8C6M&password=&extrakey=myuniquevalue](https://stats.slimcd.com/soft/getextra.asp?username=R6UT8C6M&password=&extrakey=myuniquevalue)

XML REPLY:

<reply>

<response>Success</response>

<responsecode>0</responsecode>

<description>OK</description>

<responseurl>/wswebservices/getextra.asp</responseurl>

<datablock>

<extraid>2734</extraid>

<gateid>545781482</gateid>

<extrakey>myuniquevalue</extrakey>

<anotherfield>somevalue</anotherfield>

<mycustomfield>mycstomvalue</mycustomfield>

</datablock>

</reply>

JSON HTTP GET using name/value pairs with an extrakey:

<https://trans.slimcd.com/soft/json/jsonscript.asp?service=GetExtra&username=R6UT8C6M&password=&extrakey=myuniquevalue>

JSON REPLY:

{

"reply":{

"response":"Success",

"responsecode":"0",

"description":"OK",

"responseurl":"/soft/getextra.asp",

"datablock":{

"extraid":"6",

"gateid":"65189452",

"extrakey":"testkey2",

"field1":"value5",

"field2":"value2",

"field3":"mike",

"nameofmystuff":"abc"

}

}

}

You will notice the reply is the same, because the extrakey=’s value matched against the same gateid. Note that if another more recent transaction saved data with the same extrakey, THAT transaction’s data would be returned. So, be careful when using extrakey to retrieve data to insure you are getting back data for the correct gateid. However, this method CAN be useful when your desire is to use the same extrakey with a series of transactions to hold a “state” (such as you might want to do when moving a transaction through a system and performing an AUTH, then later a FORCE, etc)

# Updating data

Finally, it is important to note that if you were to perform a **SetExtra** call on the same transaction that already had been used with SetExtra, you are performing an UPDATE/Merge.

1. You can alter the extrakey if you provide a new value for “extrakey”
2. You can update the contents of a field with a new value by specifying the same fieldname with a new value.
3. You can add additional fields (even if you don’t specify the original fields). This is cumulative. Simply provide new fieldnames and values and they will be merged/appended into the extra data for that transaction and all available fields will be returned when calling GetExtra.

# User reporting/exporting

The SLIM CD website has a reporting function that returns all extra data for a date range. The report will produce the normal transaction report in that date range, and add columns for each of the “fieldnames” that have been set with extradata. Even if a transaction does not have the extra data, it will still appear in the report, but that column will be empty. This report can be exported as a CSV file.