

BCCL Cheat Sheet

Common commands

Connect to BC (basic)	BCCL -w <ws url> -u <userid> -p <password> --remember (On cloud tenants, password is the Web Service Access Key)
Connect to BC (OAuth)	BCCL --auth OAuth
Connect to BC (S2S)	BCCL --auth S2S --clientid <ClientID> --clientsecret <clientSecret> --tenantid <tenantId>
Get Tasks	BCCL -t
Find Table	BCCL -t tables -s name=<namefilter>
Get Data	BCCL -t getdata -s table=<tableno>
Get Data in csv file	BCCL -t getdata -s table=<tableno> -o data.csv
Get Data in json file	BCCL -t getdata -s table=<tableno> -o data.json
Get Data in xml file	BCCL -t getdata -s table=<tableno> -o data.xml
Get Mapping	BCCL -t mapping -s table=<tableno> -o mapping.json
Get Data with mapping	BCCL -t getdata -s table=<tableno> -m mapping.json -o data.mapped.csv
Get customers with "snow" in Name	BCCL -t getdata -s table=18 "view=where(Name=filter(*@snow*))" -o snow.csv
Put Data	BCCL -t putdata -s table=<tableno> -i data.csv (Where data.csv has the exact same columns as the target table)
Put Data with mapping	BCCL -t putdata -s table=<tableno> -i data.mapped.csv -m mapping.json
Put Data (from XML)	BCCL -t putdata -s table=<tableno> -i data.mapped.csv -m mapping.json -r "/customers/customer"
Put data from Excel	BCCL -t putdata -s table=<tableno> -i data.xlsx -m mapping.json -x <sheetname> -y A2..H450 (Where the mapping.json has references to the A to H columns)
Delete Data	BCCL -t deletedata -s table=<tableno> -I data.csv -m mapping.json

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Mass Update	BCCL -t massupdate -s table=18 view=where(Name=filter(*@snow*) -m massupdate.mapping.json - I singlerecord.csv
Run a codeunit	BCCL -t runcodeunit -s codeunit=50000
Forget connection	BCCL --forget

Parameters

Parameter (short or long form)	Description
-t --task	Task to be executed
-w --wsurl	URL to Business Central web service
--auth	Define authentication method (Basic,OAuth,S2S)
--clientid	Client(Application)ID for S2S authentication
--clientsecret	Client Secret value for S2S authentication
--tenantid	Business Central tenant ID (Guid) for S2S authentication
-u --user	User credentials for Business Central
-p --password	User password for Business Central
-i --inputdata	Input data file
-o --outputdata	Output data file (If omitted, print on screen)
-f --format	Data file format (json,xml,csv,xlsx)
-m --mapping	Mapping file (use task MAPPING to get default map file)
-r --record	xml/json record element path (syntax: /element/element/element)
-x --excelsheet	Name of Excel sheet with data
-y --datarange	Range of Excel data (like A1..F999)
-s --setting	Setting var=value
-b --binary	(Default: false) Include binary fields (blob+media)
-h --header	(Default: true) Include header on csv files (for output)
-l --delimiter	(Default: ,) Csv delimiter character (\t for tab separated)
-g --paging	(Default: true) Allow stream paging
-z --pagesize	(Default: 10000000) Paging size
-d -- delayedinsert	(Default: false) DelayedInsert pattern
-v --verbose	(Default: false) Show verbose debugging information

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Admin Parameters

Parameter	Description
<code>--remember</code>	Remember all settings to be reused
<code>--forget</code>	Forget all settings to be reused on subsequently calls (including OAuth tokens)
<code>--register</code>	Register BCCL for use
<code>--help</code>	Show help
<code>--version</code>	Show current BCCL version

A mapping file example:

The following mapping file imports (or exports) customers. There are four fields: No, Name, ZIP Code and Posting Group.

The FieldNo and FieldName point to the Business Central and MappedName is column name in the data file.

```
{
  "Customer": [
    {
      "FieldNo": 1,
      "FieldName": "No_",
      "MappedName": "Number",
      "Validate": "true"
    },
    {
      "FieldNo": 2,
      "FieldName": "Name",
      "MappedName": "Name",
      "Validate": "true"
    },
    {
      "FieldNo": 91,
      "FieldName": "Post Code",
      "MappedName": "ZIP",
```

```
Number, Name, ZIP, PostGroup
"4000", "The First Customer", "94020", "GRP1"
"5040", "And another Customer", "92080", "GRP2"
```

```
<?xml version="1.0" encoding="utf-8"?>
<Customer>
  <Record>
    <Number>1000</Number>
    <Name>Peter Hansson</Name>
    <ZIP>90210</ZIP>
    <PostGroup></PostGroup>
  </Record>
</Customer>
```

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```
"Validate": "false"  
  
},  
  
{  
  "FieldNo": 21,  
  "FieldName": "Customer Posting Group",  
  "MappedName": "PostGroup",  
  "Validate": "true",  
  "CreateRelatedStub": true  
}  
  
],  
  
"ValidateOnInsert": "true",  
"ValidateOnModify": "false"  
}
```

```
{ "Customer": [  
  {  
    "Number": "1000",  
    "Name": "Greta Testerson",  
    "ZIP": "90210",  
    "PostGroup": ""  
  }  
]
```