



# Z39\_gate\_client

Version 18.01 and Later

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## Overview

The `z39_gate_client` is a test program that complements the `z39_gate` program. The user can define a new target database for the `z39_gate`, check it with the `z39_gate_client`, and correct definitions as needed.

## 1 Running the `z39_gate_client`

To run the `z39_gate_client`:

1. From the UNIX prompt, type:

```
z39_gate_client
```

The following message displays:

```
Enter host:port [localhost:9907]:
```

2. Enter the address (host and port) of the `z39_gate` you want to work with. For example, `ram42:9907` or `ram36:9917`.

If you want to work with the `z39_gate` on the local host, which runs on port 9907 in the above example, press **Enter**.

The following menu displays:

```
Main menu:
```

```
-----
```

0. Exit
1. Display set list
2. Connect database
3. Find Request
4. Show Request
5. Sort Request
6. Scan Request
7. ES Request
8. Show Multiple Records
9. Direct Request

```
Enter option:
```

The `z39_gate_client` program is now active. To activate a specific option, type the number of that option. For example, type 0 to exit from the program; type 2 to connect to a database, and so on.

## 2 Working with z39\_gate\_client

Here is an example of a workflow for executing a simple operation using `z39_gate_client`:

1. Connect to database
2. Perform find request
3. Perform show request
4. Perform scan request

These steps are detailed in the following sections.

### 2.1 Connecting to a Database

To connect to a database:

1. From the `z39_gate_client` main menu, type 2. The following message displays:

```
Enter database [NONE]:
```

2. Enter the logical name of the target database (for example, `DREWDB`). If the `z39_gate` successfully connects to the target, the following response appears:

```
**** SUCCESS ****
```

If `z39_gate` does not connect to the target, an error message displays. If this is the case, check that the target `DREWDB` is defined correctly in:

```
$salephe_tab/z39_gate/z39_gate.conf
```

and in

```
$salephe_tab/z39_gate/z39_gate_DREWDB.conf.
```

If you find an error in the configuration, fix it and rerun `z39_gate` and `z39_gate_client`.

### 2.2 Find Request

To perform a find request:

1. From the `z39_gate_client` main menu, type 3. The following message displays:

```
Enter database [DREWDB]:
```

2. If you want to work with `DREWDB`, press **Enter**. If not, type the name of any other target you want to work with and press **Enter**. The following line appears:

Enter Request:

3. Enter a CCL (Common Command Language) request - for example WTI=(jerusalem AND israel). Note that the translation of the WTI qualifier for find request must be defined in \$alephe\_tab/z39\_gate/z39\_gate\_DREWDB.conf. The following appears:

```
**** SUCCESS ****
```

Set No.	Database	Request	No. hits
4443	DREWDB	WTI=(jerusalem AND israel)	6

If you get an error message or insufficient results, change the WTI translation to z39 attrs in \$alephe\_tab/z39\_gate/z39\_gate\_DREWDB.conf.

## 2.3 Show Request

Usually, the user wants to show the last set.

To perform a show request:

1. From the z39\_gate\_client main menu, type 4. The following message displays:

```
Enter database [DREWDB]:
```

2. Press **Enter**. The following line appears:

```
Enter Set Number [4443]:
```

3. Press **Enter**. The following line appears:

```
Enter Set Entry [ALL]:
```

4. Press **Enter** if you want to see all records, or enter the number of the record you want to see, for example, 5. In the case of a particular record, the following displays:

```
Retrieving entry 5 from set 4443  
Record stored in /aleph/a50_5/tmp/z39_gate_record.4443.5
```

After a brief interval, the record displays.

## 2.4 Scan request

To perform a Scan request:

1. From the z39\_gate\_client main menu, type 4. The following message displays:

```
Enter database [DREWDB]:
```

2. Press **Enter** to work with DREWDB, or type the name of another target you want to work with (for example FH\_POTSDAM). The following line appears:

Enter Number of Headings Before [5]:

3. Press **Enter** (or enter another number). The following line appears:

Enter Number of Headings After [15]:

4. Press **Enter** (or enter another number). The following line appears:

Enter Request:

5. Enter a CCL scan request, for example, TIT=(jerusalem). Note that the translation of the TIT qualifier for scan request must be defined in \$salephe\_tab/z39\_gate/z39\_gate\_FH\_POTSDAM.conf

The following displays:

```
Number of lines before: 5
Number of lines after: 15
1 JENSEITIGER
53 JENSEITS
1 JENSEITSBUECHER
1 JENSEN
1 JERICHOW
14 JERUSALEM
1 JERUSALEMS
1 JESCHICHTEN
1 JESSICA
1 JESU
1 JESUITEN
1 JESUITENKIRCHE
11 JESUS
4 JET
1 JETELOVA
1 JETZTZEIT
2 JEU
1 JEUSBILDER
1 JEUX
10 JEVER
```