

# TULIP database through a GUI

## Tulip Database through a GUI based Client

Tulip database at [pinger.slac.stanford.edu](http://pinger.slac.stanford.edu) can be accessed through any MySQL client from Building 050 3rd floor at SLAC. The recommended client is MySQL Workbench, which can be downloaded from <http://dev.mysql.com/downloads/workbench/5.2.html>.

The read only version is available via user `scs_tulip_uro`, host `mysql-node01`, port `3307`. The password is available via `cat /afs/slac/package/pinger/tulip/dbPwd/pws-tulipro`. I am not sure about the read/write the notes which do not work, say:

*you need to be on the slac internal network to be able to access this. User that has access to it is Tulip through port 1000 (it does not work with the VPN I believe the port is blocked).*

Apart from exporting reports in diverse formats you can also do a quick row select, the output of which will show up in the Results tab. You can also manipulate the table as well by using the Alter, Create, and Drop commands. Table data can be directly manipulated using the Edit Table Data command; this lets you edit the contents of columns and rows in the table, just as if you were editing a spreadsheet.

The screenshot shows the MySQL Workbench interface. The SQL Editor (d) tab is active, displaying the query: `SELECT * FROM `tulip`.`landmarks`;`. The Object Browser on the left shows the database structure, including the `landmarks` table. The Results tab is active, showing a table with 538 records. The table has columns: `nodeID`, `name`, `hostName`, `ipv4Addr`, `domain`, `description`, `pingerNickname`, `pingerMonitor`, `pingerBeacon`, and `notCheck`. The first few rows of data are visible, showing various university and research institution entries.

nodeID	name	hostName	ipv4Addr	domain	description	pingerNickname	pingerMonitor	pingerBeacon	notCheck
0	Monash Univer...	130.194.11.103	130.194.11.103	NULL	NULL	NULL	NULL	NULL	NULL
0	ESnet	198.129.254.187	198.129.254.187	NULL	NULL	NULL	NULL	NULL	NULL
0	Eagles Nest N...	67.230.207.3	67.230.207.3	NULL	NULL	NULL	NULL	NULL	NULL
0	CUHK NDT Ser...	137.189.27.61	137.189.27.61	NULL	NULL	NULL	NULL	NULL	NULL
0	Universidad M...	168.234.74.100	168.234.74.100	NULL	NULL	NULL	NULL	NULL	NULL
0	North Dakota ...	134.129.90.1	134.129.90.1	NULL	NULL	NULL	NULL	NULL	NULL
0	UCSC NDT Ser...	128.114.0.205	128.114.0.205	NULL	NULL	NULL	NULL	NULL	NULL
0	ESnet NDT Ser...	198.129.254.186	198.129.254.186	NULL	NULL	NULL	NULL	NULL	NULL
0	ESnet NDT Ser...	198.124.224.3	198.124.224.3	NULL	NULL	NULL	NULL	NULL	NULL
0	UERJ	200.143.196.119	200.143.196.119	NULL	NULL	NULL	NULL	NULL	NULL
0	HEP, Universit...	128.91.45.144	128.91.45.144	NULL	NULL	NULL	NULL	NULL	NULL
0	University of O...	128.223.3.52	128.223.3.52	NULL	NULL	NULL	NULL	NULL	NULL
0	DCE Academic ...	140.247.197.204	140.247.197.204	NULL	NULL	NULL	NULL	NULL	NULL
0	MIT-Lab for Nu...	18.12.1.172	18.12.1.172	NULL	NULL	NULL	NULL	NULL	NULL
0	Argonne Natio...	130.202.222.58	130.202.222.58	NULL	NULL	NULL	NULL	NULL	NULL
0	Gregor Mendel...	193.170.94.150	193.170.94.150	NULL	NULL	NULL	NULL	NULL	NULL
0	University of T...	192.124.227.150	192.124.227.150	NULL	NULL	NULL	NULL	NULL	NULL
0	Penn State Uni...	128.118.46.245	128.118.46.245	NULL	NULL	NULL	NULL	NULL	NULL
0	Indiana Purdu...	149.164.4.128	149.164.4.128	NULL	NULL	NULL	NULL	NULL	NULL
0	Viawest Inc. N...	66.114.127.138	66.114.127.138	NULL	NULL	NULL	NULL	NULL	NULL
0	Mid-Atlantic Cr...	206.196.176.210	206.196.176.210	NULL	NULL	NULL	NULL	NULL	NULL
0	BCNET -- VANTX	134.87.112.3	134.87.112.3	NULL	NULL	NULL	NULL	NULL	NULL
0	University of T...	206.76.12.249	206.76.12.249	NULL	NULL	NULL	NULL	NULL	NULL
0	Connecticut Ed...	64.251.63.188	64.251.63.188	NULL	NULL	NULL	NULL	NULL	NULL
0	Oregon State ...	128.193.128.237	128.193.128.237	NULL	NULL	NULL	NULL	NULL	NULL
0	Brookhaven N...	192.12.15.23	192.12.15.23	NULL	NULL	NULL	NULL	NULL	NULL

Sql query box could be used to get custom results

Example insert query

```
insert into `tulip`.`landmarks` values ('0', 'pinger.narss.sci.eg', 'pinger.narss.sci.eg', '195.43.3.135', NULL, NULL, NULL, NULL, NULL, NULL, '0', NULL, 'Cairo', NULL, 'Egypt', 'Africa', '30.1191', '31.3103', 'Pinger', NULL, 'http://pinger.narss.sci.eg/cgi-bin/traceroute.pl?function=ping', 'http://pinger.narss.sci.eg/cgi-bin/traceroute.pl?', NULL, NULL, '1', '0000-00-00 00:00:00', '');
```

\* Make sure safe mode is off