

“date-and-time-utilities” code-kit

Because you’re reading this, you will already have unzipped *date-and-time-utilities.zip* on any convenient directory and changed into its top directory.

Confirm that “ls -l” now shows this:

```
0.sql
README.pdf
extended-timezone-names
internal-interval-representation-model
interval-domains
interval-utilities
set-timezone-and-at-timezone-encapsulations
ways-to-spec-utc-offset
```

The directories correspond, in order, to these sections within the overall *Date and time data types* section in the YSQL documentation:

- *User-defined interval utility functions*
- *Modeling the internal representation and comparing the model with the actual implementation*
- *Custom domain types for specializing the native interval functionality*
- *The extended_timezone_names view*
- *Recommended practise for specifying the UTC offset*
- *Rules for resolving a string that’s intended to identify a UTC offset > Helper functions*

Simply start *ysqlsh*, connecting as an ordinary non-Superuser, say *u1*, and (ideally) create a schema, say *s1*, in which this user can create and drop objects at will without interfering with any other projects that the database you’re connected to might be hosting. Ensure that “*show search_path;*” returns *s1* as first in the path.

Then invoke the script *0.sql*. You can do this time and again, from a cold start or after having already run it. It will always finish silently in a few seconds.

A lot of the code examples within the overall *Date and time data types* section depend on some of the objects that you just installed.

You will now be able to run all of the code examples in order, on any randomly selected page. without error.

NOTE: The installation spools several files with names like this:

```
canonical-real-country-with-dst.txt
```

They’re easy to find. Every such file has a partner reference copy whose name has “-0” appended, like this:

```
canonical-real-country-with-dst-0.txt
```

Check with your favorite GUI *diff* application that each of your spool files is pairwise identical with its reference copy.