# MySQL

MySQL is used as a database for all configurations and user configs.

It is installed with a plugin based in Guacamole Home (/etc/guacamole/)
The plugin is installed in the Extensions directory.

MySQL requires a jdbc plugin in order to work. This is the Platform independent .jar plugin and sits in /etc/guacamole/lib

The credentials for MySQL are in 1Password

The Schema template is located within the extract of the JDBC plugin at /guacamole-auth-jdbc-1.5.2/mysql/schema
Currently this sits in the Home Directory of pbr_admin

Configuration for Guacamole using MySQL takes place in guacamole.properties in Guacamole Home

```
  GNU nano 6.2
guacd-hostname: localhost
guacd-port:     4822
mysql-hostname: localhost
mysql-database: guacamole_db
mysql-username:
mysql-password:
skip-if-unavailable: saml
#user-mapping:   /etc/guacamole/user-mapping.xml
extension-priority: *, saml
auth-provider: net.sourceforge.guacamole.net.auth.mysql.MySQLAuthenticationProvider

saml-idp-metadata-url: https://sso-45ada229.sso.duosecurity.com/saml2/sp/DIDRJ300GFKE7MAHM11J/metadata
saml-callback-url: https://guac.pbr.org.au/guacamole
saml-strict: true
saml-entity-id: https://guac.pbr.org.au/
saml-debug: true
```

> Documentation for MySQL can be found at https://guacamole.apache.org/doc/gug/jdbc-auth.html

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