

# MySQL shared tables for multi-league setup

In one of the leagues I'm applying the website we have 3 different leagues running under the same organisation. We would like to have the ratings calculated over all the games played, which requires a more complex database setup. Some of the core tables and some of the league specific tables need to be shared, which can be achieved with MySQL's Views.

## Share tables

1. Choose the "master" site from which the users will be shared (this is the database which will actually store the data).
2. Copy the \$secret value from the master site's configuration.php file to the same file on all the "slave" sites.
3. Ensure access to the master site's database is given to the users of each of the slave sites' databases.
4. Run the following commands on each slave site table:

```
DROP TABLE ipl_users
CREATE VIEW ipl_users AS SELECT * FROM master.ipl_users
```

5. If you need to connect leagues with existing data, you need to adjust IDs in the following tables:  
xxx
6. You can check whether all primary keys are consecutive with the following SQL query:

```
SELECT a.id+1 AS start, MIN(b.id) - 1 AS end
FROM master AS a, master AS b
WHERE a.id < b.id
GROUP BY a.id
HAVING start < MIN(b.id)
```

7. List of tables to be shared:

Joomla 1.5 Core	Joomla 3.x Core	Bethico League Extension
ipl_users	ipl_users	ipl_ipl_bar
ipl_session	ipl_session	ipl_ipl_date
ipl_stats_agents	ipl_usergroups	ipl_ipl_game
ipl_core_acl_aro	ipl_user_notes	ipl_ipl_map
ipl_core_acl_aro_groups	ipl_user_profiles	ipl_ipl_match
ipl_core_acl_aro_map	ipl_user_usergroup_map	ipl_ipl_player
ipl_core_acl_aro_sections	ipl_viewlevels	ipl_ipl_player_game
ipl_core_acl_groups_aro_map		ipl_ipl_season
		ipl_ipl_site
		ipl_ipl_tournament

## Other settings

- Make sure to set *Session Handler* to “none” in **Global Configuration → System**. The database session handler does not work well with shared tables.

## Links

- [How to share table between 2 or more databases?](#)
- [Users Sharing or Synchronisation between multiple sites](#)
- [Hack Joomla Cookie Domain](#)
- [CREATE VIEW Syntax](#)
- [Updatable and Insertable Views](#)
- [Creating Views in MySQL](#)

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