

# Podcast Script: Performance Tweaks

(Special Guest Podcaster Sadek Baroudi on vocals and guitar)

Welcome to SugarCRM's 60 Second Snippets. My name is Sadek Baroudi and I'll be talking about Sugar Tweaks.

In a stock installed Sugar, we enable all functionality by default. However, there are various tweaks you can apply to your system for potentially drastic improvements in performance. All these tweaks are available in the Sugar config. This config file is in your SugarCRM root directory and the file is called config.php. You can add directives in there in order to make these changes.

The first one is **disable\_vcr**. What this does is that it removes the vcr controllers on the top right of a detail view on a record. This is the navigation paradigm that allows you to traverse through as if you were going through a list view, but from within the detail view screen. By setting that to TRUE, you remove that entirely, and what it does is it prevents a query from running in order to display this information.

The next one is **hide\_subpanels**. All the subpanels are enabled by default. When you do this you basically disable them for all users when you create the user, and this prevents additional queries from running for each subpanel. If you add another directive called **hide\_subpanels\_on\_login**, what this does is that it disables the subpanels every time the user logs in, to make sure it is always clean, and they are never running any additional queries that are unnecessary.

Next we have the **slow query logging**. Now this isn't something you set in the config.php, but something you can do in the Admin system settings section, and if you enable this, and you define the amount of milliseconds before a slow query gets logged, it's basically going to log all the queries that execute that take longer than that time. This is great for diagnosing performance problems, if you start to sense that there are potential performance issues.

Next we have the **disable\_count\_query**. In the top right of a listview, there's a number that tells you the total number of records for that module. In getting this number, we have to run a count query, and by disabling this, you remove the need for that query. Instead you will see, for example if you have 20 records per page, you'll see "1 through 20 of 21+". Most people don't care about the total number of records, so this is usually a good performance tweak.

Next we have the **save\_query**. Now if you set this to "populate\_only" this will prevent the listview from executing once someone clicks on a module. So for example if you were to click on the Accounts module, it will show the search form but it won't run the list view. This is really useful because you prevent running a full query against that table in the database. This is usually great because end users usually don't go to a module to

look through all of the records, they usually have a particular record in mind that they want to search for.

Lastly, we have not a config variable but an installation of an additional module you can use for php. It's called the **PHP JSON** module. You can find this at <http://aurore.net/projects/php-json/>. In Sugar 4.2x+ we leverage this module, which will have a substantial improvement on your performance.

Thank you very much for joining us for the SugarCRM 60 second Sugar snippet.