

JIRA

- [Avoiding Eternal Epics - keeping the Epic Status field updated](#)
- [Creating interactive Jira reports in Confluence using free tools](#) — This is a tutorial on how to use Confluence as a query / reporting engine, querying SQL data sources like the Jira database. For our example we query JIRA's database to build a Monthly Worklogs Report, showing hours worked per day for every user in a given month. We use the free Play SQL Base <https://marketplace.atlassian.com/apps/1211703/play-sql-base?hosting=server&tab=overview> plugin.
- [Crowdsourcing triage: A useful pattern for Jira issue ownership](#) — When a new issue is created, who owns it? The traditional answer is 'nobody, until it is claimed'. Here we suggest a better model, where ownership is collective until claimed.
- [Fixing JIRA graph gadgets broken by JRA-59364](#) — JIRA 7 bug causes most 'Created vs. Resolved Chart' gadgets on dashboards to break with the error:
- [Fun SQL queries](#)
 - [SQL to find a Jira user's group memberships, including nested groups](#) — A recursive SQL query for printing a user's groups.
- [Groovy Scripts](#) — The ScriptRunner for JIRA <https://marketplace.atlassian.com/plugins/com.onresolve.jira.groovy.groovyrunner/server/overview> plugin is indispensable for any non-trivial JIRA use (and an excellent reason on its own to self-host your own JIRA). This page collects some of the more useful Groovy snippets we've written over the years.
 - [A Jira bot for Google Chat](#) — Send a message to a Google Chat (<https://chat.google.com>) <https://chat.google.com> room when Jira is updated.
 - [Automatically deactivating inactive Jira users](#) — To save on licensing costs, it is sometimes useful to automatically deactivate Jira users who haven't logged in within a certain period, say 6 months. Here we review the options, and provide a ScriptRunner script (source in github <https://github.com/redradishtech/jira-user-deactivator-groovy>) that does the job.
 - [Groovy Script - simplified views of fields](#) — How to create a read-only "summary" version of a field, for display in space-constrained places like gadgets or search results.
 - [Reindex issues from specific projects](#) — A ScriptRunner 'canned script' which reindexes only issues in particular projects.
 - [View who last re-ranked the Board](#)
 - [Visualizing a Quarter Commit field](#) — Given a field like 'Q2 2016' (i.e. "second quarter of 2016"), provides a graphical 'timeline' view of upcoming year, with the relevant quarter highlighted.
- [How to write a Python script authenticating with Jira via OAuth](#) — If you are writing a script that interacts with Jira through a REST API, you should authenticate using an OAuth token, rather than an embedded username/password. Here we describe one way to do the 'oauth dance' to generate a trusted token using Python 3 - specifically the `jrashell` utility from the `jira` Python package. `jrashell` then forms a useful basis for a Python script. Our example script uses OAuth to call an undocumented REST API for querying license data. Last updated
- [Intermittent JIRA startup failures? Check your old plugins for com.atlassian.upm.plugin-license-storage-plugin](#)
- [Java blocking on /dev/random](#)
- [JIRA Add-ons](#)
 - [Derby database tinkering with the Structure plugin database](#) — Notes on how to interrogate the JIRA Structure plugin <https://marketplace.atlassian.com/plugins/com.almworks.jira.structure>'s Derby database from the command-line.
 - [Disabled Jira Portfolio? Get your Initiative 'Child issues' structures back](#) — How to restore links from Initiatives to Epics, after disabling Jira Portfolio.
- [Jira administrators beware: new projects are visible by default](#)
- [JIRA-backed LDAP](#) — Notes on my attempts to have OpenLDAP use JIRA itself as its backing database, through the back-sql <https://linux.die.net/man/5/slapd-sql> OpenLDAP backend. This allows LDAP-enabled applications to reuse JIRA user credentials.
 - [A guide to setting up Postgres-backed OpenLDAP with the back-sql backend](#) — OpenLDAP is typically backed by a LMDB database (mdb). However it's backing datastore is actually pluggable. One of the most intriguing backends is back-sql <https://www.openldap.org/doc/admin24/backends.html#SQL>, which allows LDAP data to be fetched from an ODBC (SQL) datasource. This lets us add a LDAP facade on top of database-backed applications, like JIRA and Confluence.
 - [Migrating JIRA users to LDAP, preserving passwords](#) — JIRA gives you the choice of storing user records internally, or delegating to an external 'User Directory' like Active Directory, LDAP or Atlassian Crowd.
- [Jira Bulk Move pitfalls](#)
- [JIRA Number fields, without the commas](#) — Remove unwanted commas from a JIRA Number field
- [JIRA REST-based Reporting Scripts](#) — Scripts (mostly written in Ruby) generating reports from a remote JIRA, via JIRA's REST API.
 - [JIRA Report: overdue/on-time issue counts per priority](#) — Given a JIRA project name, a start date and an end date, find total counts of issues completed before, on or after the due date, per priority.
 - [JIRA Report: time worked per user, per sprint](#) — Given a sprint, print the total worklog hours logged by each user on the sprint's issues.
- [JIRA Sprint Capacity Planner](#) — Planning a sprint in JIRA Agile involves assigning issues. You want to spread the load fairly, not overburdening or underburdening workers. To complicate matters, some issues take longer than others (with more Story Points or greater Time Estimate), and the capacity of each worker varies per week, as they may have time off or other responsibilities.
- [Jira tinkerers beware: Tomcat does not serve raw files correctly, causing browser hangs](#) — This page is for anyone who has been tempted to add files (e.g. js, css) into JIRA's `atlassian-jira/` directory. It may come as a surprise, but JIRA suffers from the most basic of bugs: it doesn't serve static files correctly. More specifically, if Tomcat serves the file with gzip compression, the `Content-Length` header is incorrectly set.
- [Missing token errors when attaching files or screenshots to Jira](#) — This is mostly a tour of how Jira does CSRF (cross-site request forgery), written for my own benefit while investigating the problems eventually logged as .
- [Preventing customer information leaks from Jira filter/dashboard sharing](#) — Jira allows sharing out-the-box, but with one flaw: when you're trying to completely partition customers, Jira's sharing tends to leak customer names and filter/dashboard names.
- [Recovering from an LDAP expired certificate](#) — Inspired by a real incident, this page suggests workarounds for an expired Active Directory LDAP certificate. The socat proxy technique at the end is, in the author's opinion, particularly neat.
- [Removing the 'None' option from JIRA select lists, or why radio buttons may be better](#) — Sometimes 'None' is a misleading word in select lists.
- [Reordering User Directories in JIRA and Confluence](#) — When LDAP breaks, sometimes you need to reorder the User Directories to be able to log in at all.
- [Replace your Jira/Confluence mail queue with Postfix -- part 1](#) — In this article we discuss the deficiencies of Jira's outgoing email handling, and how you can avoid problems by configure Jira to delegate mail sending to a local Postfix server (part 2). While we use Jira for concreteness, everything said here applies equally to Confluence.
- [Replace your Jira/Confluence mail queue with Postfix -- part 2](#) — Following on from part 1, this article discusses how to configure Postfix to act as Jira's mail transfer agent. We discuss choice of mail relay, provide relayed and non-relayed Postfix sample configurations, and discuss how Postfix can be configured on reroute email on sandbox/staging servers.
- [Resetting a user password in the database](#) — This page has instructions for doing a database-level user password reset in JIRA and Confluence (and other Crowd-library-using applications).

- [ScriptRunner's issueFunction not available to all users?](#) — I recently encountered a Jira instance with ScriptRunner installed, where there issueFunction custom field provided by ScriptRunner was not available to all users. The error was Field 'issueFunction' does not exist or you do not have permission to view it. :
- [Testing LDAP connectivity with ldapsearch](#) — JIRA and Confluence can do authentication against LDAP (e.g. Active Directory), using the standard Java JNDI library. When you're having LDAP connectivity problems, the ldapsearch command can sometimes be useful as a means of verifying your LDAP parameters.
- [Too many worklogs! Mystery Jira slowdowns due to index contention](#)