


# Automatic Structure Maintenance

## Automatic Structure Maintenance


Automatic Structure maintenance runs daily and performs Structure backup and database optimization. The optimization removes stale data from the database and may improve general JIRA responsiveness.


To configure automatic Structure maintenance:

1. Navigate to **Administration | Structure | Maintenance**
2. Click **Configure Scheduled Maintenance**
3. If scheduled maintenance is disabled, click **Enable scheduled maintenance**
4. Select time at which maintenance should run every day.


 The time is specified in the server's time zone, displayed near the time fields.



5. Select tasks that scheduled maintenance should run.
6. Configure additional task parameters, if any.
7. Click **Apply**

 By default, scheduled maintenance is enabled and set to run daily at 3 AM.

 Automatic maintenance can be run only when Structure license is valid.

## Maintenance Tasks

<b>Backup Structure data</b>	<p>Creates a backup of the Structure database in the <code>export</code> sub-directory under JIRA home.</p> <p>Parameters:</p> <ul style="list-style-type: none"><li>• Include history – if checked, full structure change history will be included in the backup. If you have a lot of changes in structures this setting may cause the backup to take some time and the backup file to be large. If you don't need history of structure changes, it is advised to turn this option off.</li></ul> <p> It is advised to have separate Structure backups even though Structure data is backed up with JIRA's normal backup, because you will be able to Restore from that data without rolling back changes in JIRA.</p>
<b>Delete old backups</b>	<p>A backup is considered old if it's not among <i>X</i> latest backups (<i>X</i> is specified by the first parameter of this task) <b>and</b> it was made earlier than <i>Y</i> days ago (<i>Y</i> is specified by the second parameter). This task removes all such backups made by the Backup task.</p> <p>Parameters:</p> <ul style="list-style-type: none"><li>• Always keep <i>X</i> latest backups</li><li>• Always keep backups made during last <i>Y</i> days</li></ul>
<b>Optimize favorites</b>	<p>If a user marks a structure as their <a href="#">favorite</a>, Structure plugin will keep this mark even if the user is later deleted from JIRA. <a href="#">Popularity number of the structure</a> will also account for this user. This task removes marks made by users no longer in JIRA and recounts structure popularity.</p>
<b>Optimize structures</b>	<p>If an issue is added to a structure and then deleted from JIRA, that structure will still contain a reference to this issue (although it will not display it). This task removes from structures references to deleted issues and references to other items that have become permanently unavailable.</p>
<b>Optimize view settings</b>	<p>If a <a href="#">view</a> is deleted, some <a href="#">structure view settings</a> may still reference it, and a blank view named ? (<b>Unknown View</b>) will be shown in its place. This task removes references to the deleted views.</p>
<b>Optimize synchronizers</b>	<p>Sometimes Structure add-on may keep data related to synchronizers of a structure which was already deleted. This task removes such data.</p>


<b>Delete old synchronizer audit log records</b>	<p>This removes old records from <a href="#">Synchronizer Audit Log</a>, clearing up space in the database.</p> <p>Parameters:</p> <ul style="list-style-type: none"> <li>Keep records for the last <i>X</i> days.</li> </ul> <div>  If you set X to 0, maintenance procedure will remove all records. </div>
<b>Reindex change history</b>	<p>Currently does nothing.</p> <div>  This task has remained as an option since Structure 2. Its purpose will be restored later when Structure 3 gets more maintenance options for structure histories. </div>
<b>Optimize structure perspectives</b>	<p>Removes old <a href="#">perspectives</a> that haven't been used by anyone for a certain amount of time.</p> <p>Parameters:</p> <ul style="list-style-type: none"> <li>Delete perspectives that were not used during the last <i>X</i> days</li> </ul>
<b>Reindex structures</b>	<p>Clears and recalculates issue-to-structure index, used to define which structures contain a specific issue. (Issues added with <a href="#">Automation</a> are not counted.)</p>

## Running Maintenance Tasks Manually

You can run specific maintenance tasks at any time.

To run maintenance manually:

1. Navigate to **Administration | Structure | Maintenance**
2. Navigate to **Run Maintenance Now** section
3. Select tasks to run.
4. Configure additional task parameters, if any.
5. Click **Run Maintenance Now**

 Running maintenance manually does not affect automatic maintenance settings or schedule.