The "Tiki Remote Instance Manager (TRIM)" will go into maintenance mode, and the code will be forked and revamped to become its replacement, now known as the "Tiki Manager".

# 1. TRIM use cases

Documentation on how to use each TRIM command resides on the [TRIM](#) page. This page is to list current and future scenarios with general steps and some tips, and example use cases.

- **1. TRIM use cases**
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  - 1.2. Backup and restore
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  - 2.3. Show server
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  - 2.5. Compare Tiki instances

Note: For all automated (unattended) operations, there should be a warning email upon failure (disk full or SSH failure)

## 1.1. Create or take over a Tiki instance
- `make_instance`

## 1.2. Backup and restore
### 1.2.1. Backups
- `make_backup`
1.2.2. Automated backups
   - Set cron job

1.2.3. Restoring
   - make restore

1.3. Automated security checks
   - make watch

1.4. Updates and upgrades

<table>
<thead>
<tr>
<th></th>
<th>Updates from x.x to x.y</th>
<th>Upgrade from x.x to z.z</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Can be automated. If you are in a branch, to the tip of that branch. If you are in trunk, you get the latest trunk.</td>
<td>Doesn't make sense to automate because after the 1st run, you are already at the target version.</td>
</tr>
</tbody>
</table>

For all updates and upgrades, a maintenance page should be shown (because weird errors can occur when part of the code has been updated)

1.4.1. Update
   - make backup (to be safe)
   - make update

1.4.2. Upgrade
   - make backup (to be safe)
   - make upgrade

1.4.3. Automated updates
   - like make update but with email alert of failure

1.5. Cloning

1.5.1. Manual cloning
   - make blank to create an instance to be cloned to
   - make clone and select from and to
1.5.2. Automated cloning
Same steps as above. Then, put on a cron job

1.6. Test update or upgrade

1.6.1. Manual
- `make blank` instance to create an instance for the test upgrade
- `make clone` and select from and to
- select the version to update or upgrade to

1.6.2. Automated
Same steps as above. Then, put on a cron job

2. Future use cases

2.1. Re-install and apply a profile

2.1.1. Manual
- `make instance` and `make profile`
- adjust your profile
- re-install Tiki and re-apply the profile
- adjust your profile until the final result is just right

2.1.2. Automated
Same as above, on a daily or weekly cron job

Use cases:
- Demo sites
- Development process for complex projects with several developers
  - Thus, everyone on the team has the same data to test/develop with.
  - This is how CartoGraf was developed. Thus, the profile was applied hundreds of times before being applied in production
- Automated testing: Tests can automated to detect regressions.

2.2. Dev-testing-acceptance-prod workflow
- Some features are missing in Tiki and TRIM to do this well
  - Relations between Tiki instances (This is the dev of this other one)
  - To be able to migrate data, without touching the code. Ex.: copy latest production data to the
dev server (but not touching the code)

2.3. Show server

- [https://dev.tiki.org/show.tiki.org-Overview](https://dev.tiki.org/show.tiki.org-Overview)

2.4. Delayed mirroring

Same daily operation as "Automated cloning" but with a lag (ex: one day, one week and one month). Suggested domain names include yesterday.example.org, aweekago.example.org and amonthago.example.org

Use cases:

- A user reports an issue, and indicates that current behavior is different than previous behavior. Has their been a regression in the code? A change of configuration? Is the user mistaken?
- Someone accidentally deletes a file or a tracker item, or some other operation for which their is no history (the logs indicate the action, but data is gone, so un-revertable): With aweekago.example.org, the user can find the info, and restore him/herself.

Tip: This site should restricted (ex.: by IP or Basic authentication) because it will not have all the latest security fixes.

2.5. Compare Tiki instances

make compare should show a diff of all files in and outside the web directory, and a diff of database