

# 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.

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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

<b>Updates</b>	from x.x to x.y	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.
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<b>Upgrade</b>	from x.x to z.z	Doesn't make sense to automate because after the 1st run, you are already at the target version.
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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>



## 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 there 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 be 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