

# BackupOfTikiSites

See also [HetznerBackupSpace](#)

## Backups of Tiki community sites

For backups of Tiki community sites, the default backup actions of console.php are being used. The resulting backups are then uploaded via SFTP into the directory `~/incoming/` on the Tiki community backup server *bkp.tiki.org*. Each tiki.org subdomain has a dedicated account on that server.

## Example backup script

The following is an example script to back up multiple Tikis and then SFTP the resulting backups into the correct directory on bkp.tiki.org.

### Script to back up dev/doc/themes.tiki.org

```
#!/bin/bash
# This script is being run from a dedicated user 'tikibackup'
# which is in the group 'www-data' so it can access the webroots
set -u

function errexit(){
    echo "Backup failed!"
    rm $TEMP/*
    exit 1
}

INSTANCE="dev doc themes"

for site in $INSTANCE; do
    # The web-root of the Tiki you are backing up
    TIKI_ROOT="/var/local/$site.tiki.org/www"
    # The following should be an empty directory just for the backups
    TEMP="/var/tmp/tikibackup/"
    # Use the following, if you want to keep backups, otherwise set to empty string
    KEEP=""
    # Your username on bkp.tiki.org
    BKP_USER="bkp-$site"
    # The private key to login to bkp.tiki.org with
    PRIVATE_KEY="/home/tikibackup/.ssh/id_rsa"
    trap errexit 1 2 3 15 ERR
    mkdir -p $TEMP
    cd $TIKI_ROOT
    svn cleanup
    php console.php database:backup $TEMP
    php console.php backup:files $TEMP
    if [ "$KEEP" != "" ];
    then
        ln $TEMP/* $KEEP/
    fi
done
```

```
fi
cd $TEMP
echo "put *" | sftp -oIdentityFile=$PRIVATE_KEY -q "$BKP_USER@bkp.tiki.org:incoming/"
> /dev/null 2>&1
rm $TEMP/*
done
```

## Backend of bkp.tiki.org

bkp.tiki.org is a completely bare-bones machine with nothing but OpenSSH running and jailing users into SFTP allowing login only via SSH keys. Every Tiki subdomain has it's own user, that can write into the directory `~/incoming/` to upload backups. These backups are rotated daily into the directory `~/archive/`, which is read-only. This way every Tiki site administrator can access all backups of the last 31 days from the directory `~/archives`, but in case her server gets hacked and a malicious attacked wants to delete data, it's not possible.

## Backup testing on nxt.tiki.org

The `next-doc/dev/themes` fetch the latest backup from bkp.tiki.org and install it afresh each night. This way we always test the latest code with the latest data and also test our backups at the same time.