

# Uploading a eZ Publish site to the cloud

This is a step-by-step guide on how to upload your eZ Publish installation to the cloud for the first time

## Ensure you meet the requirements

In order to upload a eZ Publish to the cloud, these conditions needs to be met:

- Make sure you comply with the [eZ Publish Cloud Whitelist](#)
- You need a work installation of eZ Publish running locally
  - Your local eZ Publish installation must have the [eZ Cloud extension](#) installed
- You need access to the cloud administration interface: <http://admin.cloud.ez.no>
- Your account needs to have a SSH key associated with your account
- Basic knowledge about SSH, Git and SFTP
- A Git and SFTP client installed locally

For the examples below, we assume you are on a unix based system with Git, openssh's SFTP client, mysqldump and `rsync` installed

## How to check that you have a SSH key

This is the procedure for checking that you have a SSH key associated with your cloud account

1. Log in to <http://admin.cloud.ez.no>
2. The frontpage will show you the list of environments you have access to
3. Click on the environment you want to inspect
4. Click the "Manage Users" button (not all users have this button, just "OWNER". All users might go to [login.ez.no](http://login.ez.no) and find their key, if it was uploaded, in the corresponding field in their profile)
5. Your user should then be listed, including information about your SSH key

## Upload a SSH key to your account

If you do not have a SSH key associated with your account, this is how to upload it

1. Log in to <http://share.ez.no>
2. Edit your profile on : <http://share.ez.no/community/profile>
3. Click on "Edit account" button (**do not confuse this with the "Edit profile" button**)
4. Cut and paste in your public SSH in the "Public key (openSSH format only)" field )  
The format of the key should look like:  
`ssh-rsa ABC.....= emailaddress@example.com`
5. Save your changes
6. Log out of <http://admin.cloud.ez.no> (if you where logged in)
7. Log in again on <http://admin.cloud.ez.no>
8. Follow the steps explained in the "How to check that you have a SSH key" chapter

## Obtain login information to Stage area, Git and SFTP

This is how you get login information for Git and SFTP

1. Log in to <http://admin.cloud.ez.no>
2. The frontpage will show you the list of environments you have access to
3. Click on the environment you want to inspect
4. Click the "Show Details" link
5. Login information about how to access sites in stage and rollback state is displayed
6. Login information about how to access Git is displayed
7. Login information about how to access SFTP is displayed on the format : `username@ftphostname:portno`

## Upload your installation to the cloud

This is the overview on how to upload your installation to the cloud:

- your code ( eZ Publish + extensions + settings ) must be uploaded to the git repository
- Your database and content files ( like images) must be uploaded to the SFTP server

## Uploading your code to Git

The example below will assume

- you have your eZ Publish site locally in `/var/www/mysite.com`
- your git repository is located at `mysite@git.ez.cloud.ixonos.com:ez.git`

## Clone the Git repository

You can clone the Git repository by running the following:

```
$cd ~  
$git clone mysite@git.ez.cloud.ixonos.com:ez.git mysite
```

Copy your eZ Publish site to the Git directory (except the `var/` directory):

```
$rsync -av --filter="+ /.htaccess*" --filter="- .*" --filter "- /var"  
/var/www/mysite.com/ ~/mysite/
```

## Push your code to git

```
$cd ~/mysite  
$git add .  
$git commit  
$git push origin master
```

## Tag the code in Git

```
$cd ~/mysite  
  
$git tag mysite-v1.0  
$git push origin mysite-v1.0
```

## Upload your database and `var/` directory via SFTP

### Make the DB dump

Use `mysqldump` to create a dump like this:

```
$cd /tmp
$mysqldump -u [username ]-p [database] > mysite-v1.0.sql
```

( replace username and database name according to your system )

## Upload the DB to SFTP

```
cd /tmp
$sftp -P [portno] [username]@hostname
SFTP> cd db
SFTP> put mysite-v1.0.sql
SFTP> exit
$rm /tmp/mysite-v1.0.sql
```

## Make the var/ dump

```
$cd /var/www/mysite.com/var
$tar -czf /tmp/mysite-v1.0.tar.gz ezwebin_site storage
```

The example above assumes your vardir is named "ezwebin\_site". It might be called something else on your system

## Upload the var dump to SFTP

```
$cd /tmp
$sftp -P [portno] [username]@hostname
SFTP> cd var
SFTP> put mysite-v1.0.tar.gz
SFTP> exit
$rm mysite-v1.0.tar.gz
```

## Stage your installation

1. Log in to <http://admin.cloud.ez.no>
2. The frontpage will show you the list of environments you have access to
3. Click on the environment you want to stage
4. Click the "Edit" button

## Software Repository

1. Click "New Deployment" link
2. Provide a "Deployment name" and check the git tag "mysite-v1.0"
3. Click "Next step" button

## **eZ Publish Version**

1. Select "eZ Publish 4.7" in the version drop down
2. Click "Next Step" button

## **Database and File Import**

1. Click the checkbox "I would like to create a new database from the database dump and import the corresponding files."
2. Click the checkbox "mysite-v1.0.sql"
3. Click the checkbox "mysite-v1.0.tar.gz"
4. Click "Next Step" button

## **Review**

1. Review your configuration
2. Click "Create Deployment" button