Using git to publish content

Deploying websites this way requires the use of a git client and 3 separate remote repositories.

To download git go here

<http://git-scm.com/downloads>

Once at the website click on your operating system link and the download will start once git is installed you want to download a git graphical client.

The most popular client used is smartgit which can be downloaded here

[**http://www.syntevo.com/smartgit/download.html**](http://www.syntevo.com/smartgit/download.html)

If you want to download the client for another operating system, you can go here.

[**http://www.syntevo.com/smartgit/download.html?all=true**](http://www.syntevo.com/smartgit/download.html?all=true)

The user that is using smartgit to deploy must be in the deploy to the production server and the webdevelopment group to deploy to the staging server.

As long as this is true you should be able to publish content.

**Using smartgit**

To open a remote development repository for the first time you would follow the instructions below.

1. open smartgit
2. Click project then clone.
3. In the remote repository field you would put **ssh://username@yourserver-dev/git/development/yourrepo.git** replacing the username with your username and yourrepo with the reponame.
4. Then follow the instructions on the screen for the rest of the setup.

To add the remote repos to deploy to staging and production follow the belo instructions after the development repo has been cloned to your local workstation.

1. Click remote then manage remotes.
2. Click add
3. Enter staging or production as the name depending on what one you are configuring.
4. In the URL section enter  **ssh://username@yourserver-dev/git/deploy-stage/ yourrepo.git** for staging or **enter  ssh://username@yourserver-dev/git/deploy-prod/ yourrepo.git** for production depending on what one you are configuring. Remember to replace the username with your username and yourrepo with the reponame.

If there are any issues pushing to one of the remote repositories follow the below instructions.

1. First open git from the start menu( Not smartgit).
2. Next click “<ctrl>+p” on your keyboard to open the push menu.
3. Choose the destination repository you are trying to push to.
4. Check Force overwrite existing branch.
5. Finally click the “Push” button.

This will overwrite the remote branch you are pushing to with what you have locally.

**Fin.**