# Manual Deployment Instructions

1. (this step is only for Windows) Download PuTTY application (<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>)
2. Connect by SSH (using ssh or PuTTY) to msg.webhop.org.
3. Once logged in, by default, current directory is set to home (~). To deploy buzzar, simply type:

./deploy buzzar

During deployment process, script is going to ask you for GitHub’s username and password. The whole process takes around five minutes.

## Manual Deployment Script

Deployment bash script is located inside webuser’s home directory (~/). Script file name is deploy.

Folder projects (located in webuser’s home directory, ~/projects) is used to download project files from GitHub (i.e. project buzzar will contain sources files under ~/projects/buzzar).

Folder ~/projects/\_mup/[project name] is used to define Mup (Meteor UP) configuration for project [project name]. For buzzar those .json files will be under ~/projects/\_mup/buzzar. If you need to make any changes to mup.json or settings.json, look inside that folder.

*Note: server setup (mup setup) must be run manually prior to executing deployment script – script assumes that setup is already performed. For buzzar’s home server it’s already completed.*

If you need to make any changes to deployment script – you can use any text editor (i.e. pico deploy).

### Script Actions

* Delete everything under ~/projects/[project name]
* Clone project from [https://github.com/involve-it/[project\_name](https://github.com/involve-it/%5bproject_name)]
* Set read/write permissions for automatic deployment (for an Apache2 user)
* Remove Android and iOS platforms (unnecessary for server-side deployment and will require SDK installed on web server)
* Deployment (running mup deploy)

# Automatic Deployment

Automatic deployment (push-to-deploy) is performed after every push with ten minutes frequency limit. After push is performed, GitHub will make a HTTP POST request to <http://bzwh.webhop.org/webhook.php>, which will start deployment process if previous deployment was started more than ten minutes ago. Deployment log files can be located at <http://bzwh.webhop.org/deploy.log> using a regular browser GET request. Webhook.php will ignore all requests except POST.

## Automatic Deployment Script

All scripts and logs are located under /var/www/html (default Apache2 www folder):

* webhook.php – used for initiating a deployment process on POST request
* deploy.log – log file, containing all automatic deployment attempts. Contents are in the following format:

[Y/N] YYYY-mm-dd H:mm:s

[Y/N] indicates whether deployment process was started or not, timestamp – time and day when event occurred.

### Script Actions

* Check if request is POST and contains payload
* Check if deployment was made more than ten minutes ago
* If both conditions are true, invoke a deployment process
* Write line to deploy.log

# Network Details

* All requests made on msg.webhop.org:80 will be redirected to Linux web server containing Meteor Buzzar app (v-ubuntu-2)
* All requests made on bzwh.webhop.org:80 will be redirected to build server (v-ubuntu-3)
* All requests made on port 22 will be redirected to build server (v-ubuntu-3)
* *Note: Currently, websocket connections are not supported.*

## Network Diagram

Macintosh HD:Users:yvdorofeev:Downloads:Untitled Diagram (1).png