**Connecting VM to GitHub**

These instructions are for connecting a Google Cloud VM to GitHub. The VM already has Git installed. If you are following these instructions on a personal machine, it is possible Git is not installed. In that case, you will need to install it. <https://happygitwithr.com/install-git#install-git>. This instructions are intended for establishing a connection to GitHub and assume you already understand the basic function of Git and GitHub.

**Personal access token for HTTP:**

Instructions for this section are summarized from <https://happygitwithr.com/https-pat#https-pat>. For more information, visit this resource.

1. Create GitHub profile if you do not already have one.
2. Run: usethis::create\_github\_token() in R script.
3. Default settings are appropriate, “repo”, “user”, and “workflow” will be selected
4. Click “Generate token”.
5. Copy the generated PAT to your clipboard.
6. Run: gitcreds::gitcreds\_set() in R script. Enter PAT where prompted.
7. You should now we able to work with GitHub!

**Connect RStudio to Git and GitHub:**

Follow sections 12.2 to 12.6 from <https://happygitwithr.com/rstudio-git-github>. In section 12.4, rather than editing the README.md, you could create an R script and begin writing code you want to share on GitHub!

This was written by Nathan Roe. If you have any questions or comments, feel free to reach out on Teams or email – [nathan.roe@usda.gov](mailto:nathan.roe@usda.gov).