

# Операционные системы

Управление версиями

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Цели и задачи работы

Процесс выполнения лабораторной работы

Выводы по проделанной работе

## 1. Цели и задачи работы

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Целью данной работы является изучение идеологии и применения средств контроля версий и освоение умений работать с git.

## 2. Процесс выполнения лабораторной работы

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```
imgorbunov@imgorbunov:~$  
imgorbunov@imgorbunov:~$ git config --global user.name "im-gorgunov"  
imgorbunov@imgorbunov:~$ git config --global user.email "1032254762@rudn.ru"  
imgorbunov@imgorbunov:~$ git config --global core.quotepath false  
imgorbunov@imgorbunov:~$ git config --global init.defaultBranch master  
imgorbunov@imgorbunov:~$ git config --global core.autocrlf input  
imgorbunov@imgorbunov:~$ git config --global core.safecrlf warn  
imgorbunov@imgorbunov:~$
```

Рисунок 1: Параметры репозитория

```
imgorbunov@imgorbunov:~$  
imgorbunov@imgorbunov:~$ gpg --list-secret-keys --keyid-format LONG  
gpg: checking the trustdb  
gpg: marginals needed: 3 completes needed: 1 trust model: pgp  
gpg: depth: 0 valid: 1 signed: 0 trust: 0-, 0q, 0n, 0m, 0f, 1u  
[keyboxd]  
-----  
sec  rsa4096/A50B54D0238F3E4F 2026-02-23 [SC]  
      DF15493301DAD810A70C0C5EA50B54D0238F3E4F  
uid                  [ultimate] 1032254762@rudn.ru  
ssb  rsa4096/AF3B2E439F57A16F 2026-02-23 [E]  
  
imgorbunov@imgorbunov:~$ gpg --armor --export A50B54D0238F3E4F | xclip -sel clip  
imgorbunov@imgorbunov:~$
```

Рисунок 2: GPG ключ

```
imgorbunov@imgorbunov:~$ gh auth login
? Where do you use GitHub? GitHub.com
? What is your preferred protocol for Git operations on this host? SSH
? Upload your SSH public key to your GitHub account? /home/imgorbunov/.ssh/id_rsa.pub
? Title for your SSH key: GitHub CLI
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: 4F49-089A
Press Enter to open https://github.com/login/device in your browser...
✓ Authentication complete.
- gh config set -h github.com git_protocol ssh
✓ Configured git protocol
✓ Uploaded the SSH key to your GitHub account: /home/imgorbunov/.ssh/id_rsa.pub
✓ Logged in as im-gorgunov
imgorbunov@imgorbunov:~$
```

Рисунок 3: Связь репозитория с аккаунтом



```
create mode 100644 project-personal/stage06/report/_extensions/yamadharma/minted-quarto/_extension.yml
l
create mode 100644 project-personal/stage06/report/_extensions/yamadharma/minted-quarto/minted-quarto
.lua
create mode 100644 project-personal/stage06/report/_quarto.yml
create mode 100644 project-personal/stage06/report/_resources/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100644 project-personal/stage06/report/_resources/tex/preamble.tex
create mode 100644 project-personal/stage06/report/bib/cite.bib
create mode 100644 project-personal/stage06/report/image/solvay.jpg
create mode 100644 project-personal/stage06/report/os-intro-project-personal-stage06-report.qmd
imgorbunov@imgorbunov:~/work/study/2025-2026/Операционные системы/2026-1--study--os-intro$ git push
Enumerating objects: 109, done.
Counting objects: 100% (109/109), done.
Delta compression using up to 8 threads
Compressing objects: 100% (90/90), done.
Writing objects: 100% (106/106), 705.57 KiB | 4.70 MiB/s, done.
Total 106 (delta 41), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (41/41), completed with 1 local object.
To github.com:im-gorgunov/2026-1--study--os-intro.git
   1cb5102..036d5d5  master -> master
imgorbunov@imgorbunov:~/work/study/2025-2026/Операционные системы/2026-1--study--os-intro$
```

Рисунок 4: Подготовка репозитория

### 3. Выводы по проделанной работе

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Мы приобрели практические навыки работы с сервисом github.