### **GitLab Restore from Backup (.tar) File**

**Current Version: 15.11.13-ee**

**Download the Package:**[**GitLab Enterprise Edition (GitLab EE) Package**](https://packages.gitlab.com/gitlab/gitlab-ee)

**Important Note:  
Ensure that the GitLab version used to restore matches the version used when the backup was taken.  
Reference:** [**GitLab Backup Restore Documentation**](https://docs.gitlab.com/ee/administration/backup_restore/restore_gitlab.html)

#### **Steps for Restoring GitLab**

**Add GitLab Repository:**

**Run the following command to add the GitLab EE repository:  
curl -s https://packages.gitlab.com/install/repositories/gitlab/gitlab-ee/script.deb.sh | sudo bash**

1. **Install GitLab (Same Version):  
   Install the specific version (15.11.13-ee.0) of GitLab using:  
   sudo apt-get install gitlab-ee=15.11.13-ee.0**
2. **Reconfigure GitLab:  
   After the installation is complete, run the command below to configure GitLab:  
   sudo gitlab-ctl reconfigure**
3. **Place the Backup File:**

**The default backup location is defined in the gitlab.rb configuration file. By default, this is /var/opt/gitlab/backups/.**

**Backup files typically look like this in AWS S3:  
11493107454\_2018\_04\_25\_10.6.4-ce\_gitlab\_backup.tar (includes timestamp).**

**Place your backup file into the /var/opt/gitlab/backups/ directory:  
sudo cp 11493107454\_2018\_04\_25\_10.6.4-ce\_gitlab\_backup.tar /var/opt/gitlab/backups/**

**Change Ownership of the Backup File:  
Update the file ownership to git:  
  
sudo chown git:git /var/opt/gitlab/backups/11493107454\_2018\_04\_25\_10.6.4-ce\_gitlab\_backup.tar**

1. **Stop Services Connected to the Database:  
   Stop the services that interact with the database, while leaving the rest of GitLab running:  
   bash  
   Copy code  
   sudo gitlab-ctl stop puma**

**sudo gitlab-ctl stop sidekiq**

1. **Verify Service Status:  
   Check the status of puma and sidekiq using:  
   bash  
   Copy code  
   sudo gitlab-ctl status**
2. **Restore the Backup:  
   Run the following command to restore the backup file (omit the \_gitlab\_backup.tar extension):  
   sudo gitlab-backup restore BACKUP=11493107454\_2018\_04\_25\_10.6.4-ce**
3. **Note: Make sure the same version of GitLab is used for restoring the backup.**
4. **Update gitlab.rb and gitlab-secrets.json:  
   After the restore is complete:**

**Manually move the gitlab.rb and gitlab-secrets.json files to the new server.**

**Update the gitlab.rb configuration file to match the new server settings.**

**Reconfigure GitLab:  
Run the following command after updating the configuration files:  
sudo gitlab-ctl reconfigure**

1. **Restart GitLab Services:  
   After reconfiguration, restart the GitLab services:  
   sudo gitlab-ctl restart**
2. **Check GitLab Status:  
   Verify that all services are up by running:  
   sudo gitlab-ctl status**
3. **Sanity Check:  
   Ensure everything is working properly by running the following check:  
   sudo gitlab-rake gitlab:check SANITIZE=true**
4. **Update GitLab Runner Configuration:**

**Install the gitlab-runner , add repo and install**

**curl -L https://packages.gitlab.com/install/repositories/runner/gitlab-runner/script.deb.sh | sudo bash sudo apt-get install gitlab-runner**

**The GitLab Runner configuration file is located in /etc/gitlab-runner/config.toml.**

**Download the latest configuration file from your S3 bucket and replace the old configuration file.**

**Restart the GitLab Runner after updating:  
sudo systemctl restart gitlab-runner**