

# Codebrag EA version installation guide

## Prerequisites

- Java 1.7 installed. [Download here](#) or install package for your server's OS.
- MongoDB version 2.4.x installed. [Download here](#) or install package for your server's OS.

## Configuring Codebrag

Codebrag has one configuration file `codebrag.conf` provided with distribution. Edit the following settings accordingly.

### mongo

Set `servers` and `database` properties to point your MongoDB installation.

### github

If you want to use Codebrag integration with Github (authentication and Github repositories import) you need to create Github application for your Codebrag installation. As a callback please provide URL in form `http://<YOUR_CODEBRAG>/rest/github/auth_callback`. Edit `github` section of configuration file and fill `client-id` and `client-secret` with values from created application.

### repository

Codebrag can work with git repositories in three modes. You need to set one using `type` property):

- `github` - using github (authentication via Github)
- `git-https` - plain git via https (with user/password provided)
- `git-ssh` - plain git via ssh (with keys)

If you prefer using Codebrag with Github please configure repository section as follows:

```
repository {  
  
    type = "github"  
  
    github {  
        owner = "REPOSITORY_OWNER_USER"  
        name = "REPOSITORY_NAME"  
        sync-user-login = "SYNC_USER_NAME"  
    }  
  
    ...  
}
```

For example:

```
repository {  
  
    type = "github"  
  
    github {  
        owner = "softwaremill"  
        name = "codebrag"  
        sync-user-login = "codebrag"  
    }  
  
    ...  
}
```

The `sync-user-login` property should contain name of Github user that is allowed to access repository configured.

**NOTE:** You need to login to Codebrag as this user first so that Codebrag can collect tokens required to authenticate this user in order to synchronize with repository. After logging in as this user hit `http://<YOUR_CODEBRAG>/refresh` to reload user's credentials.

If you prefer using Codebrag with plain git via https (user/password) please configure repository section as follows:

```
repository {  
  
    type = "git-https"  
  
    git-https {  
        name = "REPOSITORY_NAME"  
        uri = "REPOSITORY_URI"  
        username = "USER_NAME"  
        password = "PASSWORD"  
    }  
  
    ...  
}
```

For example:

```
repository {  
  
    type = "git-https"  
  
    github {  
        name = "codebrag"  
        uri = "https://github.com/softwaremill/codebrag.git"  
        username = "secretuser"  
        password = "secretpassword"  
    }  
  
    ...  
}
```

If you prefer using Codebrag with plain git via ssh (keys) please configure repository section as follows. Also remember to have ssh keys properly configured.

```
repository {  
  
    type = "git-ssh"  
  
    git-https {  
        name = "REPOSITORY_NAME"  
        uri = "REPOSITORY_URI"  
        passphrase = "SSH_KEY_PASSPHRASE"  
    }  
  
    ...  
}
```

For example:

```
repository {  
  
    type = "git-https"  
  
    github {  
        name = "codebrag"  
        uri = "git@github.com:softwaremill/codebrag.git"  
        passphrase = "secretpassphrase"  
    }  
  
    ...  
}
```

## codebrag

Codebrag needs to store repository data somewhere on your server. Edit `local-git-storage-path` accordingly. Codebrag will create directory called `repos` under provided location. Remember to set access rights accordingly so that Codebrag can read and write to this location.

## web-server

By default Codebrag starts on port 8080. If you want to change that, edit `port` property accordingly.

## Running Codebrag

Assuming your MongoDB is working and java is installed Codebrag can be run with

```
./run.sh
```

Logs will be written to `codebrag.log`

## Logging into codebrag

If you have Codebrag configured with Github you can login using Github. You can also login with user/password pair, but it is required to register user first. To do this please go to `http://<YOUR_CODEBRAG>/#/register` and register your account. Remember that your email must match the one in git log so that Codebrag can recognize your commits.

## Troubleshooting

If you encounter a problem with repository synchronization please remove `repos` directory located at `local-git-storage-path` you configured and restart Codebrag.