

# OFBiz New Committer's first steps

This document has the goal to help brand new OFBiz committers to set all the things up to start working with OFBiz repositories.

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## GitHub OFBiz repos and Apache GitBox service

Apache OFBiz has moved the main development from SVN to GitHub and those repository are handled by Apache Service [GitBox](#), which in short provides a way for Apache projects to commit changes into repositories with both GitHub credentials or ASF credentials.

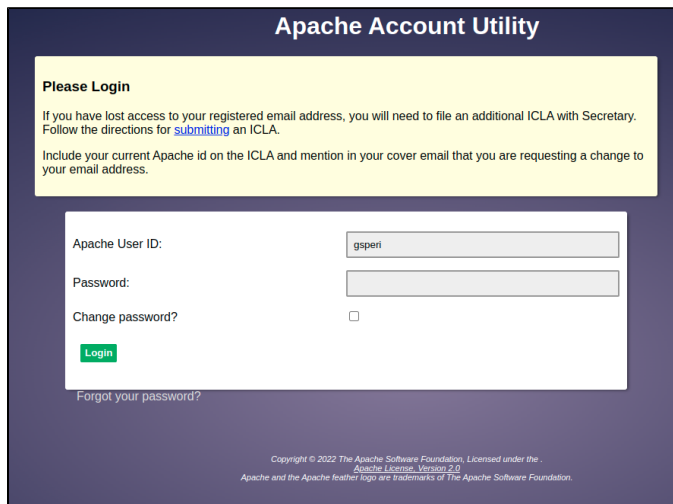
The process explained here is the Apache Account Linking through GitBox, that links the Apache account with a GitHub (personal) account and once fully completed will give the committer read-write access to repositories.

Here's the full list of steps covered:

1. Apache personal account configuration;
2. Creation of a personal GitHub account;
3. Linking personal GitHub account with Apache account;
4. Setup GitBox
5. Create an access token on GitHub to use to login to the account via https

## Apache personal account configuration

Login to the [Apache Account Utility](#) using the the preferred Apache username you give to OFBiz PMC during the invitation phase and fill in or update personal infos.



The screenshot shows the 'Apache Account Utility' login page. It has a dark blue header with the title 'Apache Account Utility'. Below the header is a yellow box with the text 'Please Login' and instructions for users who have lost access to their registered email address. Below this is a white box with a login form. The form has fields for 'Apache User ID:' (with the value 'gspert' entered) and 'Password:'. There is a 'Change password?' checkbox which is unchecked. A green 'Login' button is at the bottom of the form. Below the form is a link 'Forgot your password?'. At the very bottom of the page, there is small copyright text: 'Copyright © 2022 The Apache Software Foundation, Licensed under the Apache License, Version 2.0. Apache and the Apache feather logo are trademarks of The Apache Software Foundation.'

The form will have some of the fields already preset, like Username, User ID, Public Name, Forwarding Email Address, Preferred shell, SSH Access. These fields usually should not be changed, while other personal fields can be updated (Forwarding email address, Alias address, Homepage URL,...).

# Apache Account Utility

Please update your details, and enter your password to confirm.

**Note: this page may not work properly if certain plugins (e.g. LastPass) are used.**

Username (availlid):

User ID:

Public name:

Preferred shell:

SSH Access:

Forwarding email address:

Forwarding email address:

Alias address:

Alias address:

Homepage URL:

Homepage URL:

Your GitHub Username:

Your GitHub Username:

OpenPGP Public Key Primary Fingerprint:

OpenPGP Public Key Primary Fingerprint:

SSH Key (authorized\_keys line):

SSH Key (authorized\_keys line):

Given name:

Password:

[Submit changes...](#)

LDAP Distinguished Name:

uid= you=people,dc=apache,dc=org

Click on **Submit changes...** once done with modifications.

Within all the fields, we can spot one named **Your GitHub Username** : let's remember it.

## GitHub personal account creation

Visit the [GitHub](#) site and follow the steps to create a new account.

While creating the account take note of the username chosen.

## Enable 2-Factor Authentication (2FA)

The *GitHub 2FA* is required by GitBox, so this step is mandatory to correctly complete the GitBox setup.

Enabling the 2FA is quite straightforward and GitHub provides a very good [documentation](#) for it.

Once done, if we go to Account Security Settings page (**Settings Password and authentication** under *Access* section of the left-side menu) we should see that the 2-Factor Authentication has been setup for the account.

The screenshot displays the GitHub 'Settings' page, specifically the 'Password and authentication' section under the 'Access' category. The left sidebar lists various settings, with 'Password and authentication' selected. The main content area shows the 'Confirm new password' section with a text input field and a 'Update password' button. Below this, the 'Two-factor authentication' section is prominently displayed with a green 'Enabled' badge. A descriptive text explains that 2FA adds an additional layer of security. The 'Two-factor methods' table lists the primary method as 'Configured: Authenticator app' with a 'Change' button. It also shows 'Security keys' (No security keys) and 'GitHub Mobile' (No devices). The 'Recovery options' section includes 'Recovery codes' (Downloaded on Mar 29) and a 'Fallback SMS number' (No fallback SMS number).

Two-factor methods	
Primary two-factor method	Configured: Authenticator app <a href="#">Change</a>
Security keys ⓘ	No security keys <a href="#">Add</a>
GitHub Mobile ⓘ	No devices <a href="#">Show</a>

Recovery options	
Recovery codes ⓘ	Downloaded on Mar 29 <a href="#">Show</a>
Fallback SMS number ⓘ	No fallback SMS number <a href="#">Add</a>

## Linking personal GitHub account with Apache account

Now that a GitHub account has been successfully created and secured with 2FA, we should go back to our Apache Account Page, fill in our GitHub username into the field **Your GitHub Username** and save the changes.

Homepage URL:

Your GitHub Username:

Your GitHub Username:

This action will trigger an invitation to join the ASF Organization on GitHub; an invitation email should be sent to the email address related to the GitHub account.

It's important to accept this invitation, since to be part of the ASF Organization is required by GitBox setup.

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## Choose the Apache OFBiz project to be involved in

Accepting the ASF Organization invitation on GitHub will let you be part of the "**Apache Committers**" group.

To also be invited to be added to "**ofbiz committers**" group you should choose the OFBiz repositories during the invitation acceptance phase. You would normally choose the following repositories:

- ofbiz-framework
- ofbiz-plugins
- ofbiz-site
- ofbiz-tools

You should be notified by email by GitBox that you have been successfully added to both committers groups.

**The Apache Software Foundation** <noreply@github.com>

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You've been added to the "Apache Committers" team for the organization:

"The Apache Software Foundation"

"Apache Committers" has 4017 members and gives access to 3 "apache" repositories.

View "Apache Committers": <https://github.com/orgs/apache/teams/apache-committers>

Read more about team permissions here: <https://docs.github.com/articles/what-are-the-different-access-permissions>

**The Apache Software Foundation** <noreply@github.com>

inglese > italiano Traduci messaggio

You've been added to the "ofbiz committers" team for the organization:

"The Apache Software Foundation"

"ofbiz committers" has 21 members and gives access to 4 "apache" repositories.

View "ofbiz committers": <https://github.com/orgs/apache/teams/ofbiz-committers>


Read more about team permissions here: <https://docs.github.com/articles/what-are-the-different-access-permissions>


## Setup GitBox

At this point we should have all the necessary to successfully complete the GitBox Setup.


On the [ASF Writable Git Service Page](#) choose the **Account and repository management (Boxer)** link.

**Our available services:**

  
[Active Git repositories, original or mirrored from active GitHub repositories](#)

  
[Account and repository management \(Boxer\)](#)

and login with your Apache Account credentials.



**Authorize gitbox.apache.org**

The web site `gitbox.apache.org` wishes to authenticate you against ASF OAuth. Please authenticate below using your ASF LDAP credentials:

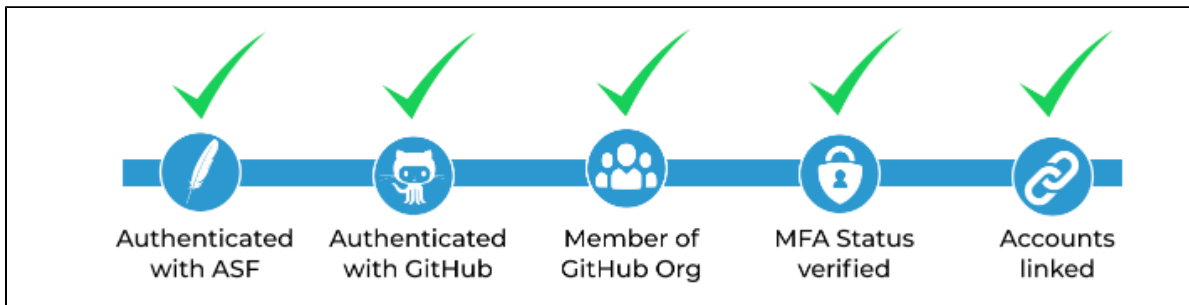
Username:

Password:

Optional 2FA Token:

Once logged in, a summary page, should be displayed. In this page we can see the GitBox Setup Process Steps and a list of repository we can access.

If all the configuration steps went good we should see the status bar like this



where:

**Authenticated with ASF** : logged in to Apache Account

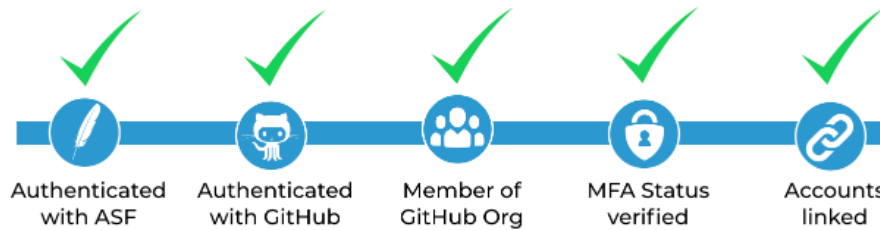
**Authenticated with GitHub**: logged in into your GitHub Account

**Member of GitHub Org**: invited and accepted to be part of ASF Organization on GitHub

**MFA Status verified**: Multi-Factor Authentication (2FA) enabled on GitHub

**Accounts Linked**: Apache Account and GitHub Account successfully linked in GitBox

The overall page should looks like this



**Your Name Here**

Authenticated at ASF as: **Your Apache username**

Authenticated at GitHub as: ([unlink account](#))  
**Your GitHub username**

You have write access to the following repositories:

ofbiz-framework.git	<a href="#">GitHub</a>	<a href="#">GitBox</a>	Public repository
ofbiz-plugins.git	<a href="#">GitHub</a>	<a href="#">GitBox</a>	Public repository
ofbiz-site.git	<a href="#">GitHub</a>	<a href="#">GitBox</a>	Public repository
ofbiz-tools.git	<a href="#">GitHub</a>	<a href="#">GitBox</a>	Public repository

## Create an Access Token on GitHub

We're almost done 😊.

At this point all our accounts are setup and configured and there is only one thing left to do: we need to create a Personal Access Token on GitHub account, that is required for the login while operating with repositories.

Most of the Git service providers nowadays (like GitHub, BitBucket,...) to improve security, do not support anymore the possibility to authenticate with personal account password over https, while performing operations on online repositories: instead they require a **Personal Access Token (PAT)**, that is a complex string generated by the Git provider, with associated roles and scopes that basically maps and limits the operations you can perform on an online repository with it.

Follow the [GitHub documentation](#) to generate a PAT.

### PAT Expire Time

Personal Access Tokens have a limited time in which are valid (you can choose it while creating it) and once it has expired you will have to create a new one!

### PAT Note

Note down and securely store the PAT and keep in mind that once created, it will only be shown to you **once** and cannot be recovered later!

Now that we have created our PAT, we can use it as login password along the GitHub username to authenticate and perform operations on OFBiz online repositories!