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.

- GitHub OFBiz repos and Apache GitBox service
- Apache personal account configuration .
- GitHub personal account creation
- Enable 2-Factor Authentication (2FA)
- Linking personal GitHub account with Apache account
 • Choose the Apache OFBiz project to be involved in
- Setup GitBox
- Create an Access Token on GitHub

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.

	Apache Account Utility
Please Login	
If you have lost access to your registered Follow the directions for <u>submitting</u> an IC	l email address, you will need to file an additional ICLA with Secretary. CLA.
Include your current Apache id on the ICI your email address.	LA and mention in your cover email that you are requesting a change to
Apache User ID:	gsperi
Password:	
Change password?	
Login	
Forgot your password?	
Anac	Copyright © 2022 The Apache Software Foundation, Licensed under the . <u>Apache License, Version 2.0</u> Anache Software Foundation
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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 (availid):	
User ID:	
Public name:	
Preferred shell:	/bin/bash
SSH Access:	home.apache.org
Forwarding email address:	
Forwarding email address:	
Alias address:	<not present=""></not>
Alias address:	
Homepage URL:	<not present=""></not>
Homepage URL:	
Your GitHub Username:	
Your GitHub Username:	
OpenPGP Public Key Primary Fingerprint:	<not present=""></not>
OpenPGP Public Key Primary Fingerprint:	
SSH Key (authorized_keys line):	<not present=""></not>
SSH Key (authorized_keys line):	
Given name:	
Password:	
Submit changes	
LDAP Distinguished Name:	uid=ou=people,dc=apache,dc=org

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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.

Access	Confirm now necessary		
🗔 Billing and plans	Commininew passwold		
🖂 Emails			
Password and authentication	Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. Learn more.		
SSH and GPG keys	Update password I forgot my password		
Drganizations			
Moderation ~	Two-factor authentication	Enabled	
Code, planning, and automation	Two-factor authentication adds an additional layer of security to your account by requiring more than just a password to sign in. Learn more.		
PackagesPages	Two-factor methods		
← Saved replies	Primary two-factor method Configured: Authenticator app	Change	
Security Code security and analysis 	Security keys (i) No security keys	Add	
Integrations 88 Applications	GitHub Mobile ③ No devices	Show	
Scheduled reminders	Recovery options		
Archives	Recovery codes (1) Downloaded on Mar 29	Show	
Sponsorship log Sponsorship log Sponsorship log	Fallback SMS number () No fallback SMS number	Add	

Linking personal GitHub account with Apache account

Now that a GitHub account as been successfully created and secured with 2FA, we should go back to our Apache Account Page, fill in out 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 send 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.



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.



and login with your Apache Account credentials.

OACN	Authorize gitbox.apache.org
P. M.	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: Authenticate
AUTH	

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



You have write access to the following repositories:

ofbiz-framework.git	<u>GitHub</u>	<u>GitBox</u>	Public repository
ofbiz-plugins.git	<u>GitHub</u>	<u>GitBox</u>	Public repository
ofbiz-site.git	<u>GitHub</u>	<u>GitBox</u>	Public repository
ofbiz-tools.git	<u>GitHub</u>	<u>GitBox</u>	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 nowdays (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!