

Development Process

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Contents

1 Projects Details	4
1.1 Websites	4
1.2 Internal Apps	4
1.3 Mobile App API	4
1.4 Mobile Apps	4
2 Development Process	5
2.1 Milestone	5
2.2 Issue adding	5
2.3 Branch Name	6
2.4 Master Branch with latest release code	7
2.4.1 Login to the development server via SSH using putty	7
2.4.2 Enter your directory by using below commands.	7
2.4.3 Check out to master branch if you are in other branch.	8
2.4.4 Pull the latest production release code from master.	8
2.4.3 New Branch Creation	8
2.4.4 Coding	9
2.4.5 Commit Changed files	10
2.4.6 Pull code from latest release master branch	10
2.4.7 Push local branch to remote	11
2.4.8 Update change summary to RM sheet	11
2.4.9 After Release, update local branch from remote master branch	11
3 Release	12
3.1 Verification	12
3.2 Staging Release	12
3.3 Production Release	15
4. Advanced commands and shortcuts	16
4.1 General Commands	16
4.2 Check file from previous commit of same branch or different branch and copy to current branch.	17
4.2.1 check file from previous commit of same branch and copy	17

4.2.2 Check file from other branch and copy to current branch	18
5. Reference Links:	19
5.1.Linux Commands :	19
5.2. Git Commands Details :	19
5.3.Git Branching Model :	19
5.4.Vi Editor Commands :	20

1 Projects Details

We have

1.1 Websites

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/ffa_website.git :

This git repository contains the codebase of <https://ffreedom.com>.

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/indianmoney.git

This git repository contains the codebase of <https://indianmoney.com>.

1.2 Internal Apps

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/appsindianmoney.git

This git repository contains the codebase of internal apps
<https://apps.indianmoney.com>.

1.3 Mobile App API

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/ffreedom_app_api.git

1.4 Mobile Apps

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/flutter_ffreedom_app.git

This git repository contains the codebase of [ffreedom app](#) mobile application

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/flutter_ffa_influencer_app.git

This git repository contains the codebase of [ffreedom influencer](#) mobile application

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/flutter_im_team_app.git

This git repository contains the codebase of [IMTeam](#) mobile application

Git Repo : http://gtlb.indianmoney.co.in/imc_admin/flutter_ffa_admin_app.git

This git repository contains the codebase of [admin](#) mobile application. Here admin can moderate user generated contents.

2 Development Process

- ✓ Milestone
- ✓ Issue adding
- ✓ Branch Name
- ✓ Master Branch with latest release code
- ✓ New Branch creation
- ✓ Coding
- ✓ Add changes
- ✓ Commit changed files
- ✓ Pull code from latest code from master branch
- ✓ Push local branch to remote
- ✓ Update change summary to RM sheet
- ✓ After Release update code from latest release master branch

2.1 Milestone

Add project wise milestone in GitLab for your development. Select project and add new milestone with title and description

<http://gtlb.indianmoney.co.in/dashboard/milestones>

The screenshot displays the GitLab Milestones interface. At the top, there's a header 'Milestones' and a green button labeled 'New milestone in indianmoneyinsurance'. Below the header, there are filters for 'Open 56', 'Closed 37', and 'All 93'. A search bar is present with the text 'Filter by milestone name'. The main content area shows a single milestone card for '2563 - ADD/Update and listing of Email Templates - IMI'. The card includes the milestone title, a progress bar indicating '100% complete', and statistics '5 Issues · 0 Merge Requests'. It also shows the start date 'started on Mar 1, 2019' and the repository path 'IMC / imi_apps'.

2.2 Issue adding

Issues will be added by testers. If developers are fixing any bugs or creating new projects, then developers have to create issues for particular project-wise milestones.

1) Select Milestone

IMC > imi_apps > Milestones > 2563 - ADD/Update and listing of Email Templates - IMI

Open Milestone started on Mar 1, 2019 Edit Close milestone Delete

2563 - ADD/Update and listing of Email Templates - IMI

Create a sub module under Content Management as "Campaign Management"


Under Campaign Management add new page Email Templates

Email Templates:

List all the Email templates from table - sdt_email_templates
Columns : Sln, Email Subject, content, Short SMS, status, action (Edit Template) Search Filters: Email Subject, content, Short SMS and status.

There should be redirection window to add new email template. This will have the following.

Email Subject - textbox Email Body - Textarea with editor with image uploads Short SMS - Text box with allowed only 140 characters limit



100% complete

Start date Mar 1, 2019

Due date No due date (42 days elapsed)

Issues 5 **New issue**

Open: 0 Closed: 5

Time tracking No estimate or time spent

Merge requests 0

Open: 0 Closed: 0 Merged: 0

Reference: imc_admin/imi_apps...

2) Add issue title and Description

IMC > imi_apps > Issues > #57

Closed Opened 1 month ago by **Roopa Patil** Reopen issue New issue

Issue in ADD/Update and listing of Email Templates - IMI-header

Write Preview **B** **I** **Q** **<>** **🔗** **☰** **☰** **📷** **📄** **🔗**

header name should be same as in list.
![[11_1]](/uploads/f1490744e7872234472ce7a4f92e40f7/11_1_.png)

Markdown is supported 📎 Attach a file

Save changes Delete Cancel

👍 0 🗑️ 0 😊

Show all activity

Todo Add todo

Assignee **Pradeep @pradeepa** Edit

Milestone 2563 - ADD/Update and listing of Email Templates - IMI Edit

Time tracking No estimate or time spent

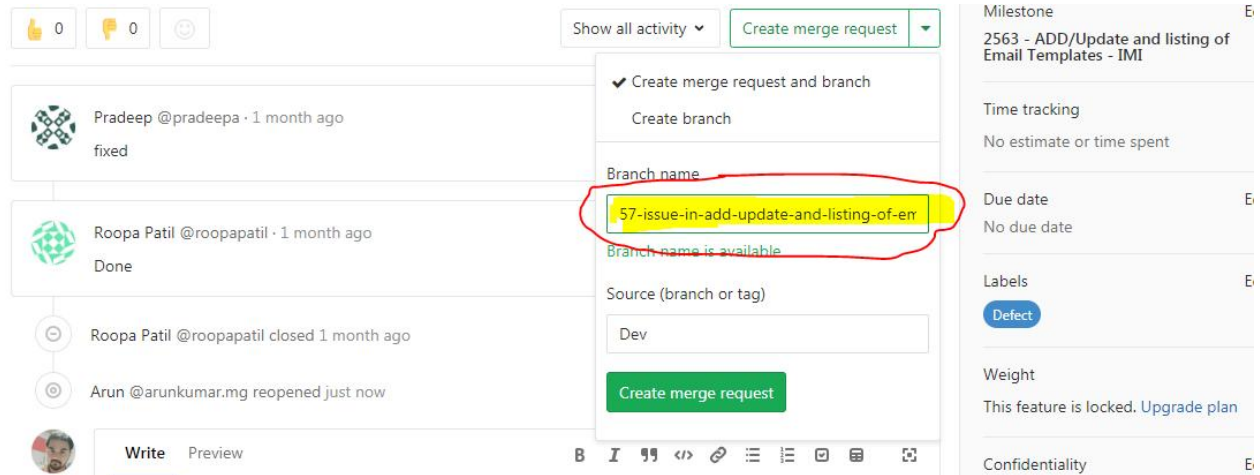
Due date No due date Edit

Labels Edit **Defect**

Weight This feature is locked. Upgrade plan

2.3 Branch Name

The suggested branch name can be found at the bottom of the issue; copy it.



57-issue-in-add-update-and-listing-of-email-templates-imi-header

2.4 Master Branch with latest release code

In every Git repository there will be a default master branch and all other branches can be created using master branch. Master branch will be upstream branch for all other local repositories.

2.4.1 Login to the development server via SSH using putty.

Login to dev server using username and password

```
13.232.63.40 - PuTTY
login as: imc_dev
imc_dev@13.232.63.40's password:
Last login: Sat Apr 13 10:57:30 2019 from 103.213.210.58
```

2.4.2 Enter your directory by using below commands.

```
cd imi_uxx/ffreedom_app_api
```

```
## Check current branch
```

```
git branch
```

This will list all the branches. The green colored branch prefixed with star is your default branch.

```
master
```

```
*25-other-branch
```

```
-bash-4.2$ cd imi/indianmoneyinsurance
-bash-4.2$ git branch
* 25-other-branch
master
```

2.4.3 Check out to master branch if you are in other branch.

This will pass control from the current branch to the master branch, and all master branch files will display on your VsCode directory.

```
git checkout master
```

check branch details

```
git branch
```

This will show All branches and current branch

```
*master
```

```
25-other-branch
```

```
-bash-4.2$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 31972 commits.
(use "git push" to publish your local commits)
-bash-4.2$ git branch
 25-other-branch
* master
```

2.4.4 Pull the latest production release code from master.

This will sync latest production code to your local master

```
git pull origin master
```

```
-bash-4.2$ git pull origin master.20
From http://gitlab2.indianmoney.com/imc_admin/indianmoneyinsurance
 * branch          master.20  -> FETCH_HEAD
Already up-to-date.
-bash-4.2$
```

2.4.3 New Branch Creation

Create new branch from master

```
git checkout -b 57-issue-in-add-update-and-listing-of-email-templates-imi-header
```

This will create a new branch from the master, which you can check by using

git branch

```
-bash-4.2$ git checkout -b 57-issue-in-add-update-and-listing-of-email-templates-imi-header
Switched to a new branch '57-issue-in-add-update-and-listing-of-email-templates-imi-header'
-bash-4.2$ git branch
 25-other-branch
* 57-issue-in-add-update-and-listing-of-email-templates-imi-header
  master
-bash-4.2$
```

2.4.4 Coding

Start your development in the current branch.

Close all files and check changed files

git status

add changed files for commit, below are the adding commands

git add Untitled-1.json testing123.php

	New Files	Modified Files	Deleted Files	
<code>git add -A</code>	✓	✓	✓	Stage All (new, modified, deleted) files
<code>git add .</code>	✓	✓	✓	Stage All (new, modified, deleted) files
<code>git add --ignore-removal .</code>	✓	✓	✗	Stage New and Modified files only
<code>git add -u</code>	✗	✓	✓	Stage Modified and Deleted files only

```
bash-4.2$ git status
On branch 57-issue-in-add-update-and-listing-of-email-templates-imi-header
You are currently rebasing branch 'Dev' on '321d942'.
  (all conflicts fixed: run "git rebase --continue")

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

       modified:   Untitled-1.json

Untracked files:
  (use "git add <file>..." to include in what will be committed)

       testing123.php
no changes added to commit (use "git add" and/or "git commit -a")
bash-4.2$ git add .
bash-4.2$ git status
On branch 57-issue-in-add-update-and-listing-of-email-templates-imi-header
You are currently rebasing branch 'Dev' on '321d942'.
  (all conflicts fixed: run "git rebase --continue")

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

       modified:   Untitled-1.json
       new file:   testing123.php
```

2.4.5 Commit Changed files

Commit your changes to branch

git commit -m "Adding two files and fixing bugs"

```
bash-4.2$ git commit -m "Adding two files and fixing bugs"
57-issue-in-add-update-and-listing-of-email-templates-imi-header 3ffd1ef] Adding two files and fixing bugs
2 files changed, 7 insertions(+), 1 deletion(-)
create mode 100644 testing123.php
bash-4.2$
```

2.4.6 Pull code from latest release master branch

Pull code from latest released master branch. This will sync your local repo with latest released code.

example: git pull origin master

```
-bash-4.2$ git pull origin master.20
From http://gitlab2.indianmoney.com/imc_admin/indianmoneyinsurance
 * branch                master.20  -> FETCH_HEAD
Already up-to-date.
-bash-4.2$
```

2.4.7 Push local branch to remote

Push local branch to remote (for release or testing). Use below command to push your local branch

```
git push origin 57-issue-in-add-update-and-listing-of-email-templates-imi-header
```

2.4.8 Update change summary to RM sheet

update branch name, files name in Release Management sheet

Developer Branch	Developer Name	File Type	Development
			File Name (Git path)
57-issue-in-add-update-and-listing-of-email-templates-imi-header	Ramesh	NEW	application/views/health/proposal_form/hdfce_ergo_proposal_form
		MODIFIED	application/views/health/proposal_form/starhealth_proposal_form

2.4.9 After Release, update local branch from remote master branch

If your changes pass testing and code verification, your branch will be released to staging and production.

.

Once you get the release confirmation with the release branch name, update all your local branches with the latest release master branch code.

```
git pull origin master
```

and remove the released branch

```
first checkout to master
```

```
git checkout master
```

```
-bash-4.2$ git branch
 25-other-branch
* 57-issue-in-add-update-and-listing-of-email-templates-imi-header
  master
-bash-4.2$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 31972 commits.
  (use "git push" to publish your local commits)
-bash-4.2$ git branch
 25-other-branch
 57-issue-in-add-update-and-listing-of-email-templates-imi-header
* master
```

git branch -D 57-issue-in-add-update-and-listing-of-email-templates-imi-header

```
-bash-4.2$ git branch -D 57-issue-in-add-update-and-listing-of-email-templates-imi-header
Deleted branch 57-issue-in-add-update-and-listing-of-email-templates-imi-header (was 3ffd1ef).
-bash-4.2$ git branch
 25-other-branch
* master
-bash-4.2$
```

above command will remove the branch 57-issue-in-add-update-and-listing-of-email-templates-imi-header

3 Release

- ✓ Verification
- ✓ Staging release
- ✓ production release

3.1 Verification

Coding structure will be verified as per Coding Standard & Database Structure document.

3.2 Staging Release

Developer branch will be compared with master branch if coding is as per document then it will be accepted.



http://gtlb.indianmoney.co.in/imc_admin/ffreedom_app_api/compare/

Developer Guide : Development Process 1.0

IMC > indianmoneyinsurance > Compare Revisions > master...466-apollo-munich-proposal-form-validation

Source 466-apollo-munich-pr... Target master Compare Create merge request



Commits (2)

-  bmi calculation
Ashna authored 2 days ago afdff71c
-  Merge branch 'master' of...
Ashna authored 2 days ago 6be11caf

Showing 2 changed files with 61 additions and 18 deletions

Hide whitespace changes Inline Side-

Search files

-  **apollo_munich_proposal_form.php** +30 -12
...iews/health/proposal_form/apollo_munich_proposal_form.php
-  **form_validation.js** +31 -6
assets/js/form_validation.js

837 -

Developer branch will be merged with master


http://gtlb.indianmoney.co.in/imc_admin/ffreedom_app_api/merge_requests/new

IMC > indianmoneyinsurance > Merge Requests > New

New Merge Request


Source branch

imc_admin/indianmoneyinsurance 466-apollo-munich-proposal...

 Merge branch 'master' of...
Ashna authored 2 days ago 6be11caf

Target branch

imc_admin/indianmoneyinsurance master

 Merge branch '451-ip-proposal-api-response-logs' into 'master'
Arun authored 2 days ago 9b53d8d0

Compare branches and continue

IMC > indianmoneyinsurance > Merge Requests > !1187

Open

Opened 15 seconds ago by  Arun

Edit

Close merge req

Resolve "apollo munich proposal form validation"

Closes #466 (closed)

apollo munich proposal form validation



Request to merge 466-apollo-munich-pro... into master

Open in Web IDE

Check out branch



Merge

Delete source branch Squash commits 

> **1 commit** and **1 merge commit** will be added to master. [Modify commit messages](#)

Closes #466 (closed)

[Assign yourself to this issue](#)

You can merge this merge request manually using the command line

After merge release branch will be created from master

http://gitlab.indianmoney.com/imc_admin/ffreedom_app_api/branches/new

IMC > indianmoneyinsurance > New Branch

New Branch

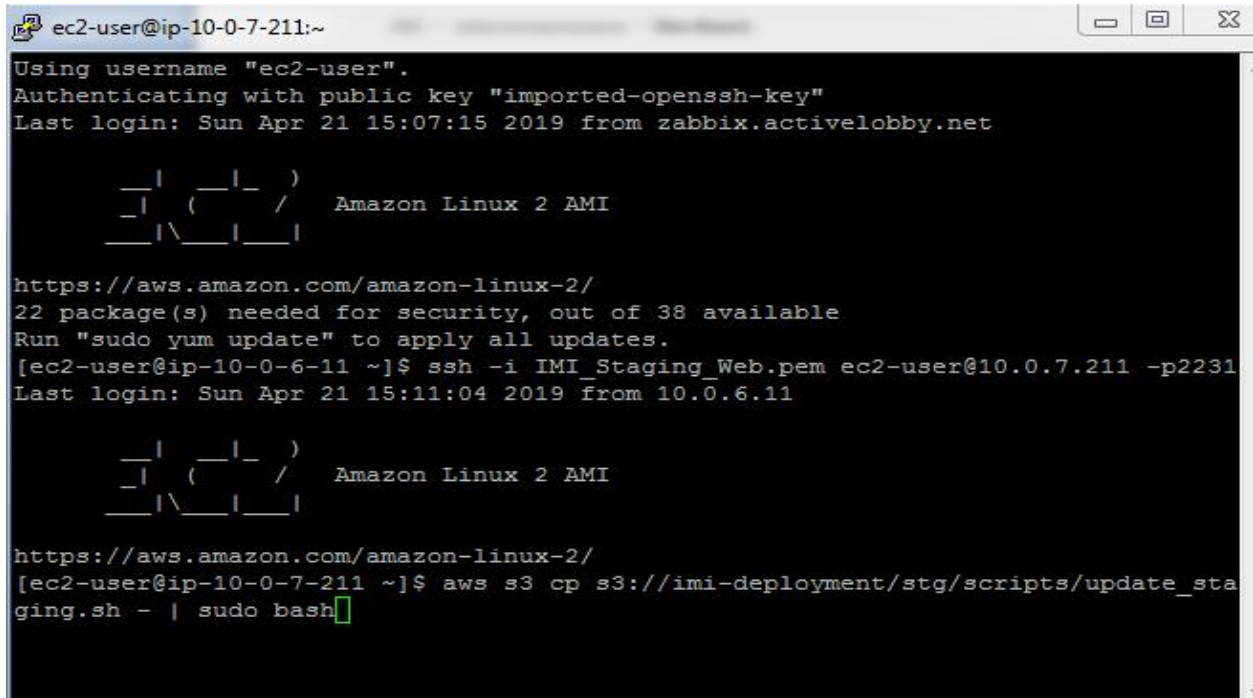
Branch name

Create from

Existing branch name, tag, or commit SHA

Create branch

master will be released to staging using bastion host via shell script.

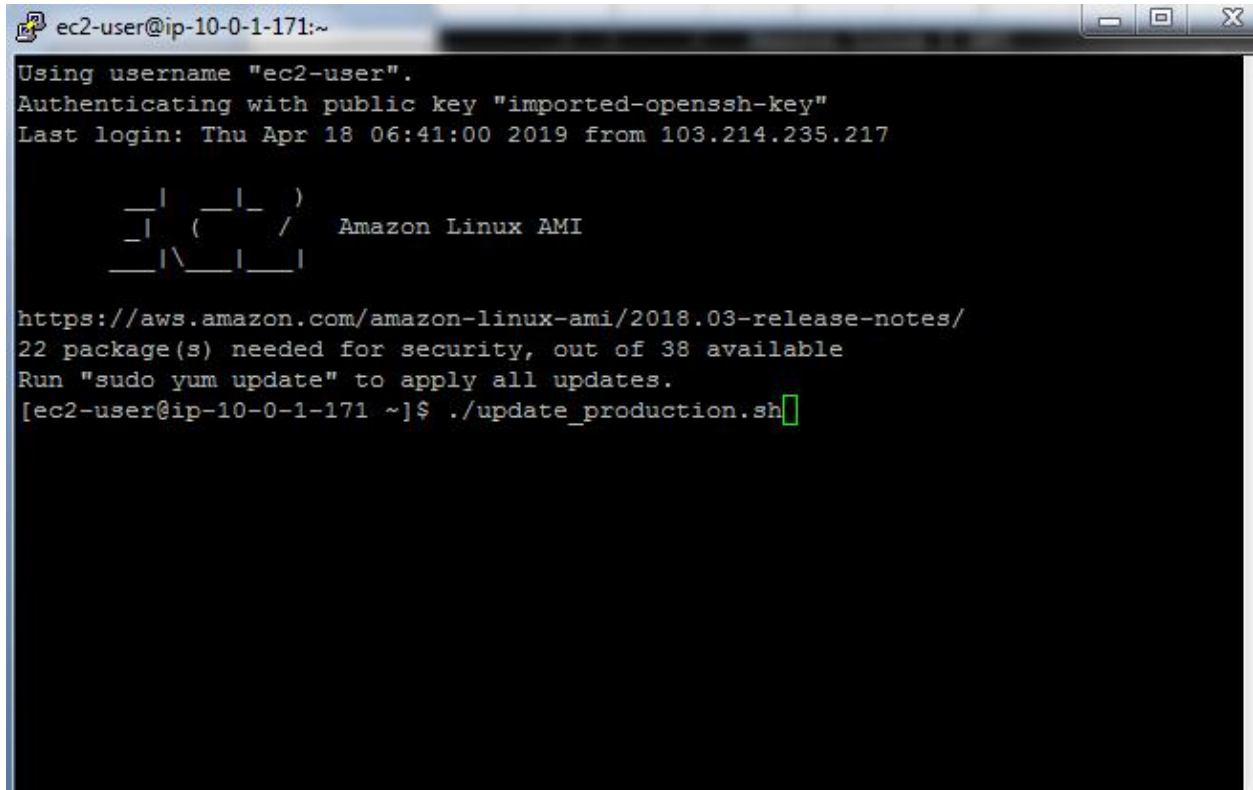


```
ec2-user@ip-10-0-7-211:~  
Using username "ec2-user".  
Authenticating with public key "imported-openssh-key"  
Last login: Sun Apr 21 15:07:15 2019 from zabbix.activelobby.net  
  
  _|  ( _|_ )  
  _|  ( _|_ /   Amazon Linux 2 AMI  
  __| \__|__|  
  
https://aws.amazon.com/amazon-linux-2/  
22 package(s) needed for security, out of 38 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-10-0-6-11 ~]$ ssh -i IMI_Staging_Web.pem ec2-user@10.0.7.211 -p2231  
Last login: Sun Apr 21 15:11:04 2019 from 10.0.6.11  
  
  _|  ( _|_ )  
  _|  ( _|_ /   Amazon Linux 2 AMI  
  __| \__|__|  
  
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-10-0-7-211 ~]$ aws s3 cp s3://imi-deployment/stg/scripts/update_staging.sh - | sudo bash
```

3.3 Production Release

If everything is working fine then master will be released to production

using production bastion host via shell script



```
ec2-user@ip-10-0-1-171:~  
Using username "ec2-user".  
Authenticating with public key "imported-openssh-key"  
Last login: Thu Apr 18 06:41:00 2019 from 103.214.235.217  
  
  _ | _ | _ )  
  _ | ( _ | /  Amazon Linux AMI  
  _ | \ _ | _ |  
  
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/  
22 package(s) needed for security, out of 38 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-10-0-1-171 ~]$ ./update_production.sh
```

4. Advanced commands and shortcuts

4.1 General Commands

Run Multiple commands in single line

1) example checkout to master and pull code

git checkout master && git pull origin master

2) check what are the changes in changed file using difference command

git diff application/models/Term_ipru_model.php

3) User identification for local git repo

git config user.name yourname

git config user.email youremail

4.2 Check file from previous commit of same branch or different branch and copy to current branch.

4.2.1 check file from previous commit of same branch and copy

check all commits in details

git log

check only commit ids short form of git log

git reflog

Show statistics for files modified in each commit.

git show --stat commit_id

```
-bash-4.2$ git show --stat 5464d00b7eb15f6e9bf9bcdceee9983d3338a4ff
commit 5464d00b7eb15f6e9bf9bcdceee9983d3338a4ff
Merge: 0eae60b b4f512d
Author: Arun <arunkumar.mg@indianmoney.com>
Date: Thu Apr 11 11:48:20 2019 +0530

Merge branch '451-ip-proposal-api-response-logs' into 'master.18'

IP PROPOSAL API LOGS

See merge request imc_admin/indianmoneyinsurance!1120

application/models/Term_ipru_model.php | 17 ++++++
1 file changed, 17 insertions(+)
-bash-4.2$
```

example show file from previous commit id

git show

5464d00b7eb15f6e9bf9bcdceee9983d3338a4ff:application/models/Term_ipru_model.php

Copy to current branch (>> this will create new file your current changes will be removed)

git show

5464d00b7eb15f6e9bf9bcdceee9983d3338a4ff:application/models/Term_ipru_model.php >> application/models/Term_ipru_model.php

or

You can create new file if you don't want to remove current changes of the file

```
git show
```

```
5464d00b7eb15f6e9bf9bcdceee9983d3338a4ff:application/models/Term_ipru_model.php >> application/models/Backup_Term_ipru_model.php
```

This will create new file from old commit Backup_Term_ipru_model.php

4.2.2 Check file from other branch and copy to current branch

The git-checkout command can be used to update specific files or directories in your working tree with those from another branch, without merging in the whole branch. This can be useful when working with several feature branches or using GitHub Pages to generate a static project site.

You can do this by 2 methods

4.2.2.1 Checkout method

example: if u want to copy file from 370-other-branch-2 to 25-other-branch

```
* 25-other-branch
```

```
370-other-branch-2
```

```
master
```

```
## Checkout file
```

```
git checkout 370-other-branch-2 -- application/controllers/Login.php
```

```
## Check status compare changes and commit
```

```
git status
```

```
## Compare changes
```

```
git diff application/controllers/Login.php
```

```
## Commit if finished
```

```
git commit -m "Update Login.php from 370-other-branch-2 to my-branch"
```

4.2.2.2 Show method

View file from other branch

```
git show 370-other-branch-2: application/controllers/Login.php
```

Copy file from other branch

```
git show 370-other-branch-2: application/controllers/Login.php >>  
application/controllers/Login.php
```

or if you want to copy the file as a backup

```
git show 370-other-branch-2: application/controllers/Login.php >>  
application/controllers/Backup_Login.php
```

5. Reference Links:

5.1.Linux Commands :

<https://www.guru99.com/must-know-linux-commands.html>

5.2. Git Commands Details :

<https://rubygarage.org/blog/most-basic-git-commands-with-examples>

Commit History

<https://git-scm.com/book/en/v2/Git-Basics-Viewing-the-Commit-History>

5.3.Git Branching Model :

<https://nvie.com/posts/a-successful-git-branching-model/>

5.4.Vi Editor Commands :

<https://staff.washington.edu/rells/R110/>

<https://www.ccsf.edu/Pub/Fac/vi.html>