



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

OG-Tophat workspace setup

OGMF- OGTophat



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Table of Contents

1. GITHUB ACCESS REQUEST.....	3
2. DOWNLOAD GITBASH.....	5
3. GENERATE SSH KEY	10
4. CODE CHECKOUT	13
5. INSTALL VISUAL STUDIO	14
6. CODEBASE SETUP IN VISUAL STUDIO.....	14
7. INSTALL NODE JS	16
8. INSTALL PYTHON.....	17
9. OGT FAKE SERVER	21
10. START OGT FAKE SERVER.....	27
11. CODE CHANGES	28
12. LAUNCH APPLICATION USING OGT FAKE SERVER	29
13. CODEBASE SETUP IN ECLIPSE	29
14. CODE CHANGES REQUIRED IN ECLIPSE	34
15. SERVER SETUP IN ECLIPSE.....	36
16. LOCAL OGT TO OGM CONNECTION	49
17. HOW TO TAKE CODE UPDATES IN ECLIPSE	49
18. HOW TO PROMOTE CHANGES IN ECLIPSE.....	54
19. HOW TO SWITCH BRANCH IN ECLIPSE	57
20. HOW TO RESOLVE CONFLICTS IN ECLIPSE.....	64
21. HOW TO CREATE PULL REQUEST	68
22. HOW TO USE SOURCE TREE	70



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

1. GitHub Access Request

Raise request through <https://www.accessmgmt.ford.com>

Click on ADFS



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the Ford Access Management interface. At the top, there are several browser tabs open, including "Java Software Eng", "Validate Cookie Re...", "US746874: As an...", "GOTD/GOTD-OG...", "Dynamic Warm Up...", "leader - Google S...", and "APS: CSPS Home". The main window title is "Access Management". The top right corner shows the user is logged in as "Singh, Archana (A-)" with a "Logout" link. Below the title bar, there are two main sections: "Request Access" and "Pending Requests". The "Request Access" section contains a sub-section for "Recipient of Access" with "Archana Singh (asing188)" selected, and a "Go >" button. The "Pending Requests" section shows "Waiting for your Approval: 0" and "Your Requests: 0" with "View" links. Below these sections are "Quick Tasks" and "Announcements". The "Quick Tasks" section includes links for "Search Users", "Delegate Approval Authority", "Manage Access", and "Search Requests", each with a "Go >" button. The "Announcements" section states "No Announcements". At the bottom of the page, a footer bar displays "Application Policy Services (APS) | Copyright © 2018 Ford Motor Company | All rights reserved." and a standard Windows taskbar.

Click on Go button.

The screenshot shows the "Select Role" page. The URL in the address bar is "Home > Select Role". The main heading is "Select Role". A sub-instruction says "Search for or Browse to a role; once you locate the role, click the Request Access button to proceed.". Below this, there is a search bar with "Recipient: Raghu Kalyan Arani (araghuka)". A dropdown menu shows "All Application Domains" and a search input field containing "github". There are "Search" and "Clear" buttons. A section titled "Applications" contains a list with "GitHub" highlighted in blue. A sub-instruction says "Click on an Application name to view the roles under it." Below this is a section titled "Business Functions" with a sub-instruction "Click on a Business Function name to view the roles under it." and a message "Nothing found to display."

- Click on application name "**GitHub**".
- Select the role **GitHubFordUser**. Enter the comments and submit the request.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Select Role

Search for or Browse to a role; once you locate the role, click the Request Access button to proceed.

Recipient: Raghukalyan Arani (araghuka)

All Application Domains github

Applications

Click on an Application name to view the roles under it.

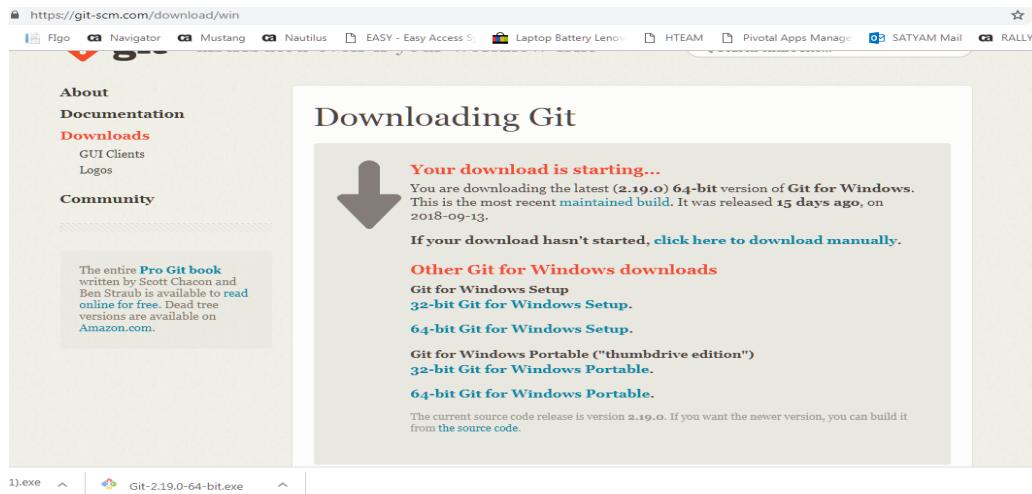
GitHub

Click on select to request a role.

Role Name	Role Description
<u>GitHubFordUser</u>	These are Ford users who are authorized to get to GitHub.

2. Download GitBash

Download Gitbash from this [link](#)

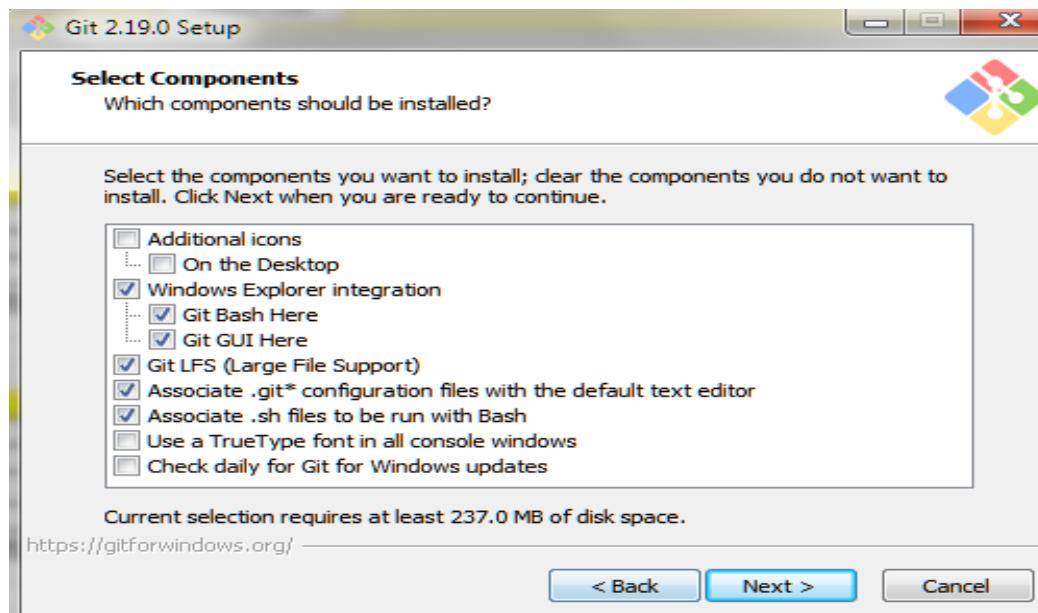
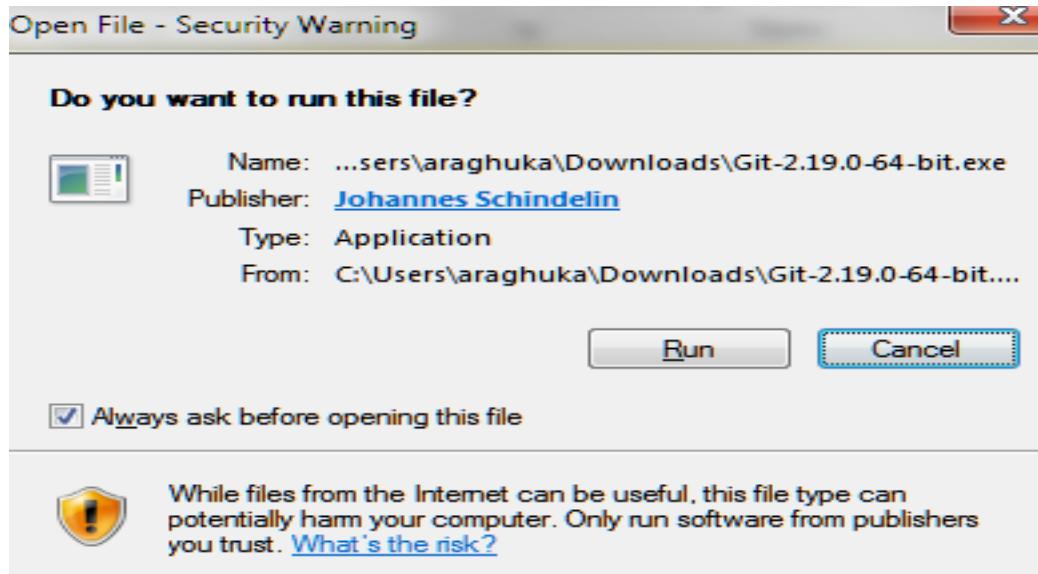


Click on the exe file and install as below.



Order Generation And Material Forecasting (OGMF)

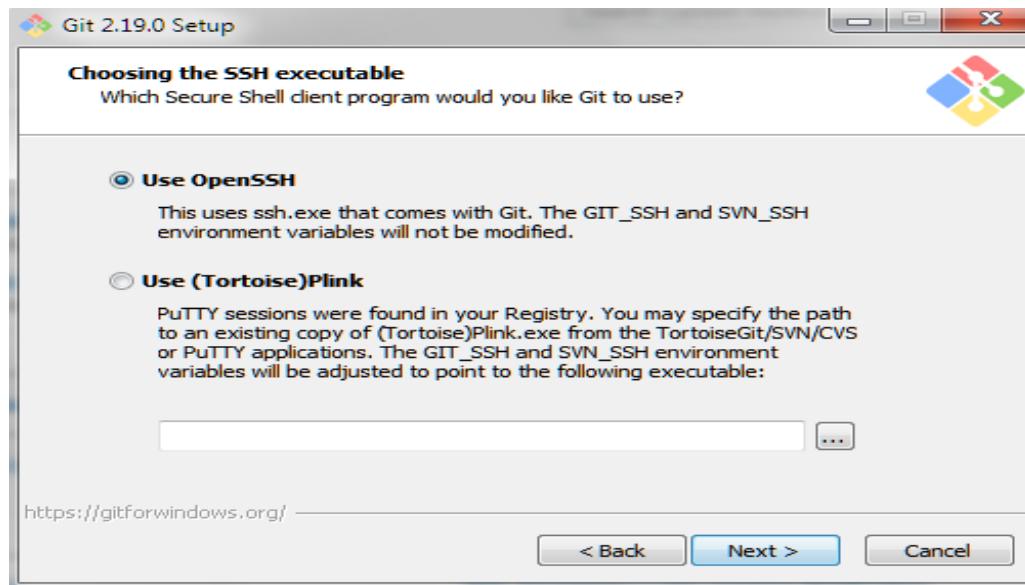
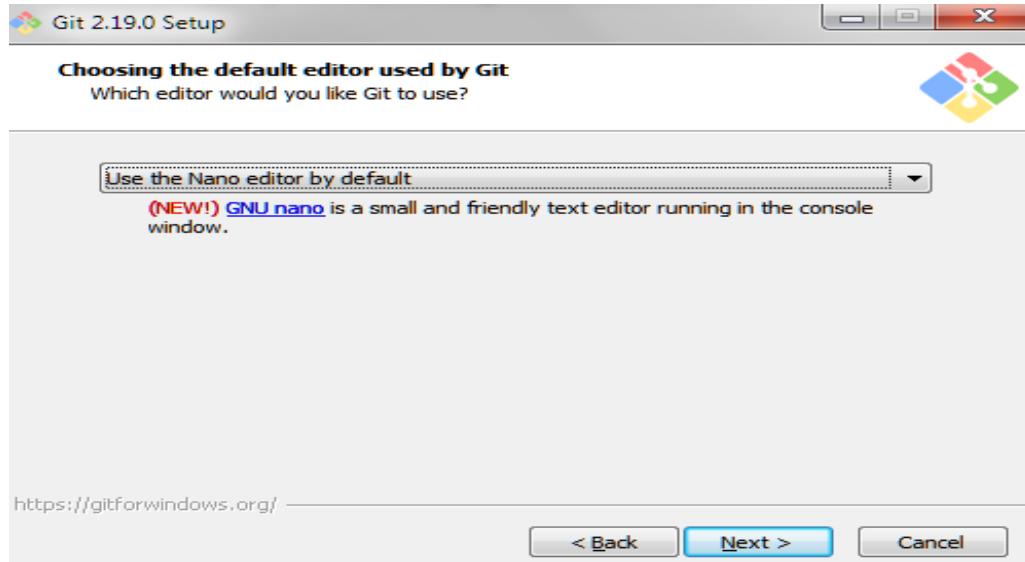
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

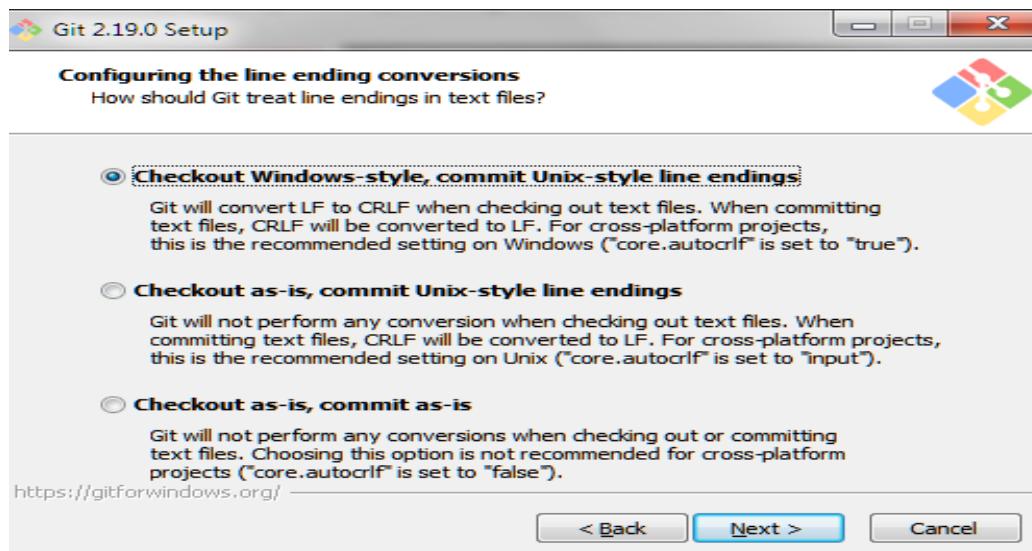
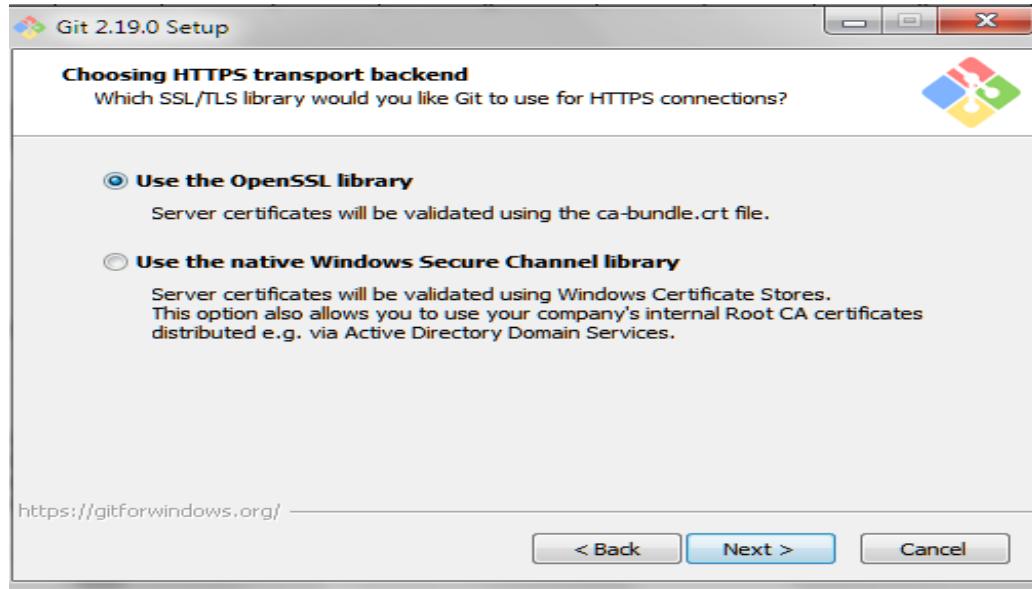
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

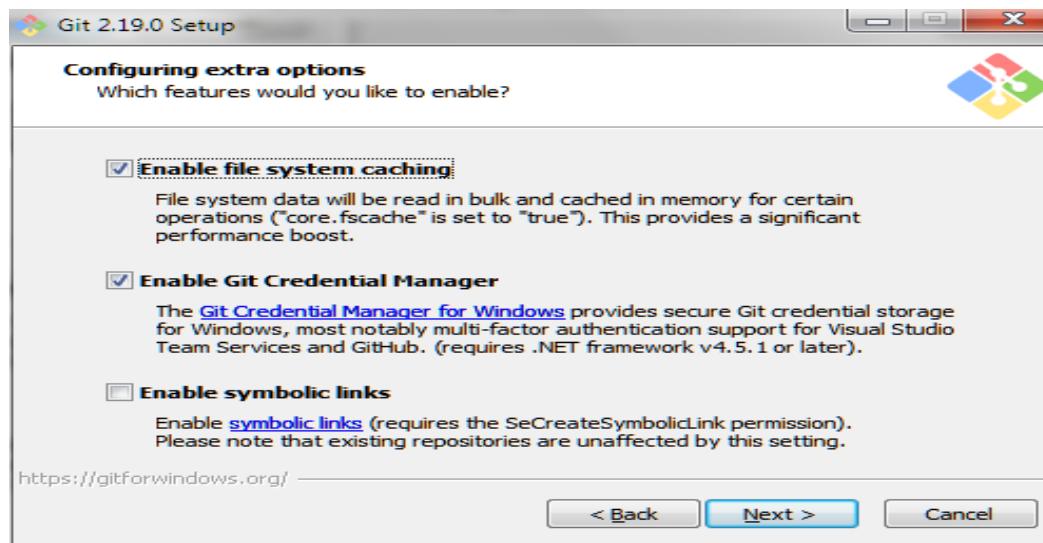
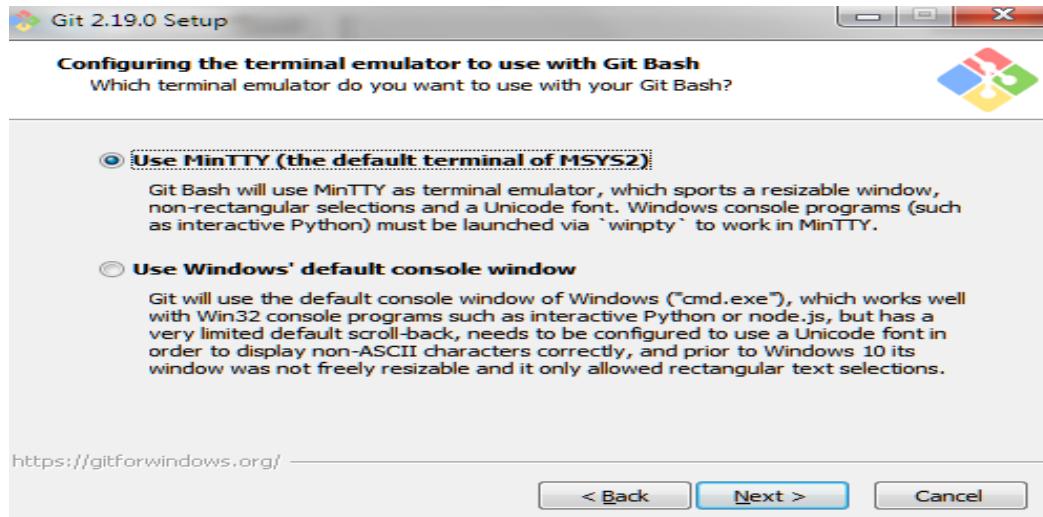
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

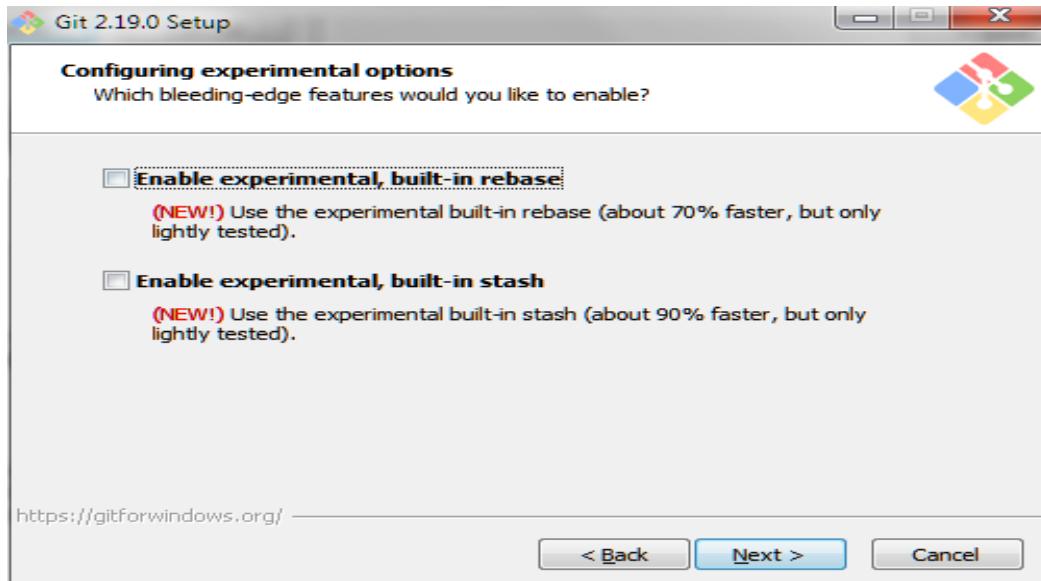
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Next -> Click on install button.

3. Generate SSH key

- Open GitBash
- Goto C:\projects\git



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

- Execute the command ssh-keygen -t rsa -b 4096 -C "yourcdsid@ford.com"

```
ARAGHUKA@WGC100073KP72 MINGW64 /C/projects/git
$ cd ~/
.accurrev/.cf/.ssh/sqlnet.log
.bash_history.gitconfig.afiedt.buf StarToken-NG/
ARAGHUKA@WGC100073KP72 MINGW64 /C/projects/git
$ cd ~/.ssh/
ls
ARAGHUKA@WGC100073KP72 MINGW64 /y/.ssh
$ ls
id_rsa id_rsa.pub known_hosts
ARAGHUKA@WGC100073KP72 MINGW64 /y/.ssh
$ cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQACQC1DPU1rM6hVpoztSyvZoskQDGgVj3/ap1Hgj8nWSUU
kGOKomGhSLW8PffFlwpZm27cp/geGTCE41D6zu7kXjrTb8b0vTjprEW02jE79gB06YR377EMZUNhd5Q
7I37BwP2RCyretvfs5JFsrvUdTHF0gZeDn3YnlqvyywsIR4kcZr0hdcXiNPpuxyv1w9K4AwXI1RJVkIC
B.2QusFAifCYar3y4qXZSAo1mwsZ6ibGH150/iK4RuyPta0oGes1KAQD/K1yPF/Nsxd9HonvvkDavAUib
S4C1L17gU+S+STxBmgjF5ZJp9t5dhSY+yL51Tghw3HcMGxcqin63JNng0FnizK04XG746DxFi7Z0cUZ
7Scp7jxhp5yvsc+0153u49PivX0zd12IYcL7M7ybY45oe6ku09IVuVIFFvadgsqi5KCN9mygTrnb06oc
DdiZTtilpkwKt2Y6z3Ab5jdh0tzrvfsgbHI47ftmxkxxj81PIwC35FViipuxaASJr75cgwZrvTTqzopuo
MMnhXYDG+0aRRdHAUkjdLB1kn01lNE2nqbsrtkZkuMcxrzNe4WbiH6MSFP0gDBKoiGhwyw1pniziium8
FLzjBhkabGsh8DsLX7Thv66ko51TMcooRRi0LTZA0/Http/vEginqxF3ejxtsI5eH49PhiV4RLG0A0yG
5Q== araghuka@ford.com
```

SSH key will be generated under C:\Users\<CDSID>\.ssh with filename id_rsa.pub
Goto <https://github.ford.com/GOTD/GOTD-OGMF-OG-TOPHAT> (open in chrome)

Click on settings as shown below.

The screenshot shows a GitHub repository page for 'GOTD / GOTD-OGMF-OG-TOPHAT'. The user 'ARAGHUKA' is signed in. A dropdown menu is open from the top right, showing options like 'Signed in as ARAGHUKA', 'Your profile', 'Your stars', 'Your gists', 'Help', 'Settings' (which is highlighted in blue), and 'Sign out'. Below the dropdown, there's a summary bar with 93 commits, 6 branches, and 2 releases. At the bottom, there's a merge pull request from 'DSEKAR6' and a latest commit message.

Click on SSH and GPG Keys

Originator: ASING188
US746874: OGT setup

Page 11 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the GitHub Enterprise profile settings page. On the left, a sidebar lists options: Personal settings, Profile (which is selected and highlighted in orange), Account, Emails, Notifications, SSH and GPG keys, Security, Repositories, Organizations, Saved replies, and Applications. The main content area is titled "Public profile". It contains fields for "Name" (with a placeholder "John Doe"), "Public email" (with a dropdown menu "Select an email to display" and a note "You can manage email addresses in your organization's settings"), "Bio" (with a placeholder "Tell us a little bit about yourself" and a note "You can @mention other users and organizations in your bio"), and "URL" (with a placeholder "http://").

- Click on New SSH key
- Enter the title as per your wish and copy the contents of id_rsa.pub in the key field and click on Add SSH key.

The screenshot shows the "SSH keys / Add new" page. The sidebar on the left is identical to the one in the previous screenshot. The main form has "Title" and "Key" fields. A green callout points to the "Title" field with the text "Enter Title". Another green callout points to the "Key" field with the text "Paste the contents of id_rsa". At the bottom is a green "Add SSH key" button.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

No description, website, or topics provided.

Branch: develop ▾ New pull request Create new file Upload files Find file Clone or download ▾

DSEKAR6 Merge pull request #23 from GOTD/feature/figo-658014 ...
Just a sample checkin by formatting lines
.gradle/4.3
.settings
--message=Remove business process selection
FunctionalTest
first commit
OGTBuild
added OGTBuild files
OGTBusiness
Removed all build and servers files and folders
OGTCommon
Removed all build and servers files and folders

Clone with SSH Use HTTPS
git@github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT.git
Open in Desktop Download ZIP

4. Code Checkout

Copy the SSH key and use it in the below command highlighted in green and execute the command to clone the codebase

```
git clone git@github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT.git
```

or

```
C:\projects\git>"c:\Program Files\Git\bin\git.exe" clone git@github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT.git
```

You should be able to see the below messages if the clone was completed successfully

```
Cloning into 'GOTD-OGMF-OG-TOPHAT'...
remote: Counting objects: 5845, done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 5845 (delta 38), reused 59 (delta 31), pack-reused 5768
Receiving objects: 100% (5845/5845), 179.38 MiB | 1.58 MiB/s, done.
Resolving deltas: 100% (1973/1973), done.
Checking out files: 100% (3430/3430), done.
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

5. Install Visual Studio

[Download link](#)

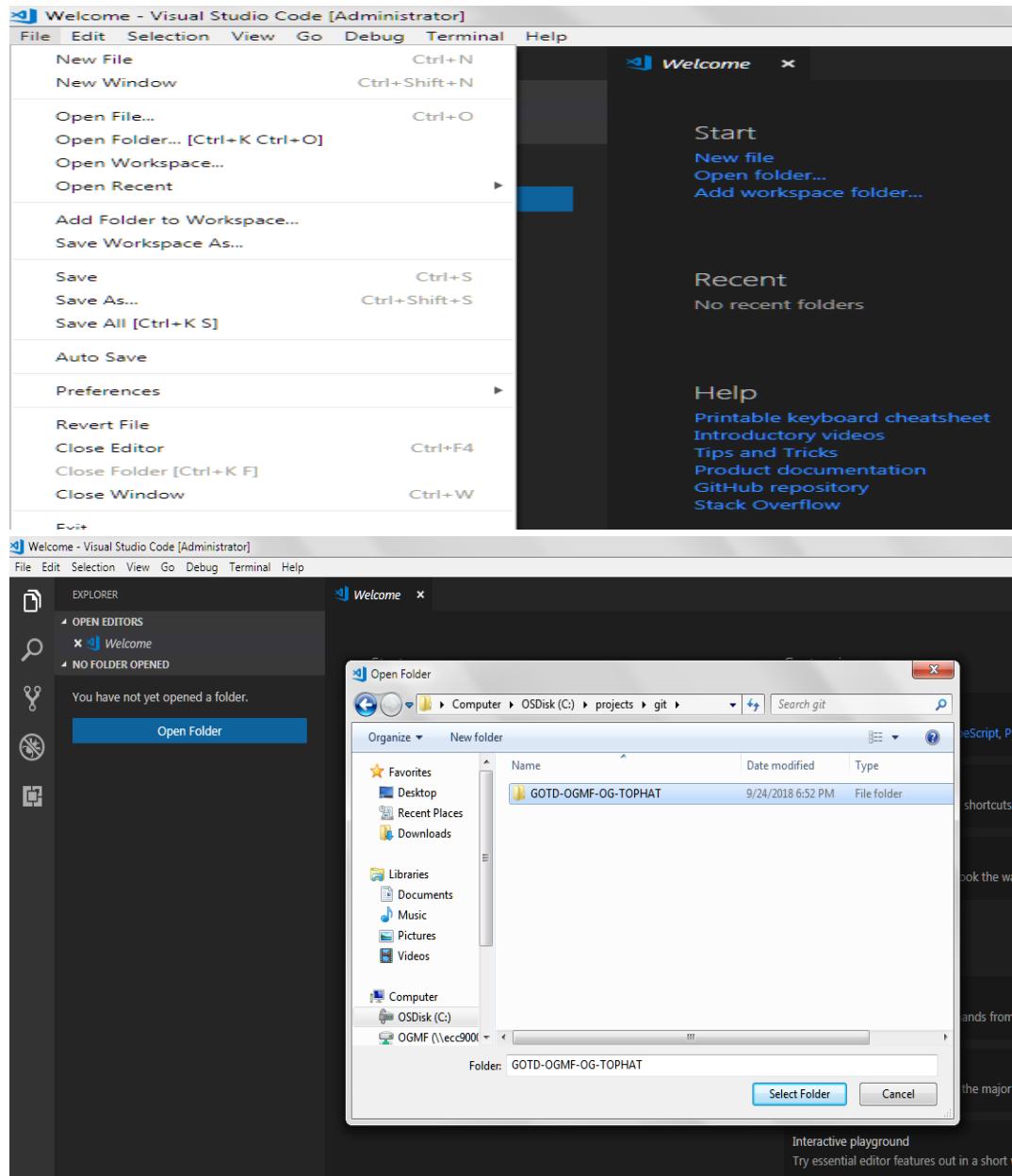
6. Codebase setup in Visual Studio

Open Visual studio.



Order Generation And Material Forecasting (OGMF)

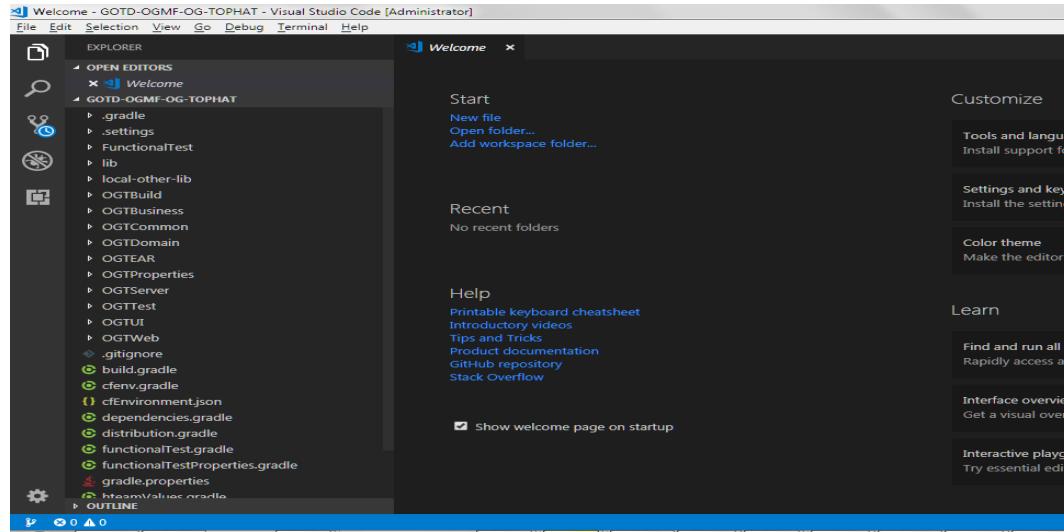
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Install Java plugin for Visual Source Code from <https://code.visualstudio.com/docs/languages/java>

7. Install Node JS

Open URL: <https://nodejs.org/en/download/>

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS Recommended For Most Users	Current Latest Features																
 Windows Installer <small>node-v8.12.0-x64.msi</small>	 macOS Installer <small>node-v8.12.0.pkg</small>																
Windows Installer (.msi) Windows Binary (.zip) macOS Installer (.pkg) macOS Binary (.tar.gz) Linux Binaries (x86/x64) Linux Binaries (ARM) Source Code	<table border="1"><tr><td>32-bit</td><td>64-bit</td></tr><tr><td>32-bit</td><td>64-bit</td></tr><tr><td colspan="2" style="text-align: center;">64-bit</td></tr><tr><td colspan="2" style="text-align: center;">64-bit</td></tr><tr><td>32-bit</td><td>64-bit</td></tr><tr><td>ARMv6</td><td>ARMv7</td><td>ARMv8</td></tr><tr><td colspan="3" style="text-align: center;">node-v8.12.0.tar.gz</td></tr></table>	32-bit	64-bit	32-bit	64-bit	64-bit		64-bit		32-bit	64-bit	ARMv6	ARMv7	ARMv8	node-v8.12.0.tar.gz		
32-bit	64-bit																
32-bit	64-bit																
64-bit																	
64-bit																	
32-bit	64-bit																
ARMv6	ARMv7	ARMv8															
node-v8.12.0.tar.gz																	

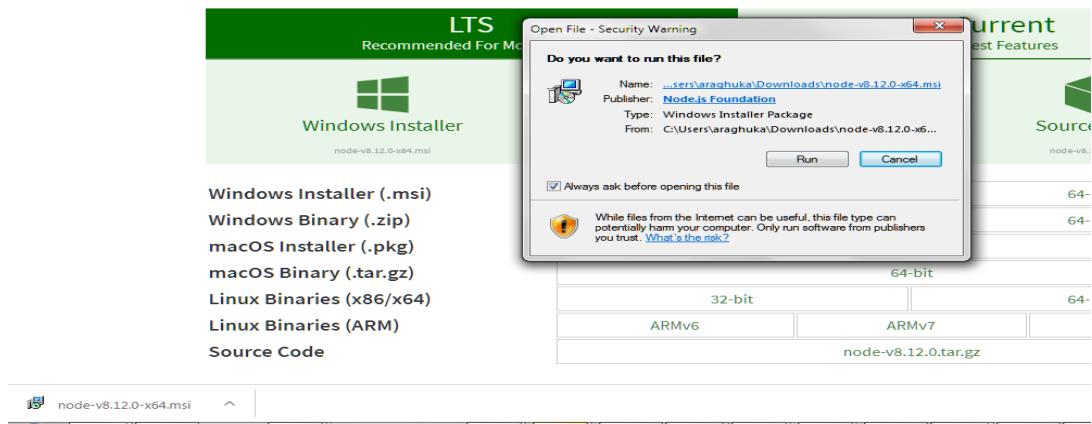
- Click on windows installer
- Install the downloaded file.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Download the Node.js source code or a pre-built installer for your platform, and start developing today.



- Complete the setup by default settings and click next and complete the installation
- Check the installation is completed by executing the below command prompt as below

npm -v

```
Administrator: C:\windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\araghuka>npm -v
6.4.1

C:\Users\araghuka>
```

8. Install Python

Open URL: <https://www.python.org/downloads/windows/>

Download Windows x86-64 web-based installer

Originator: ASING188

US746874: OGT setup

Page 17 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

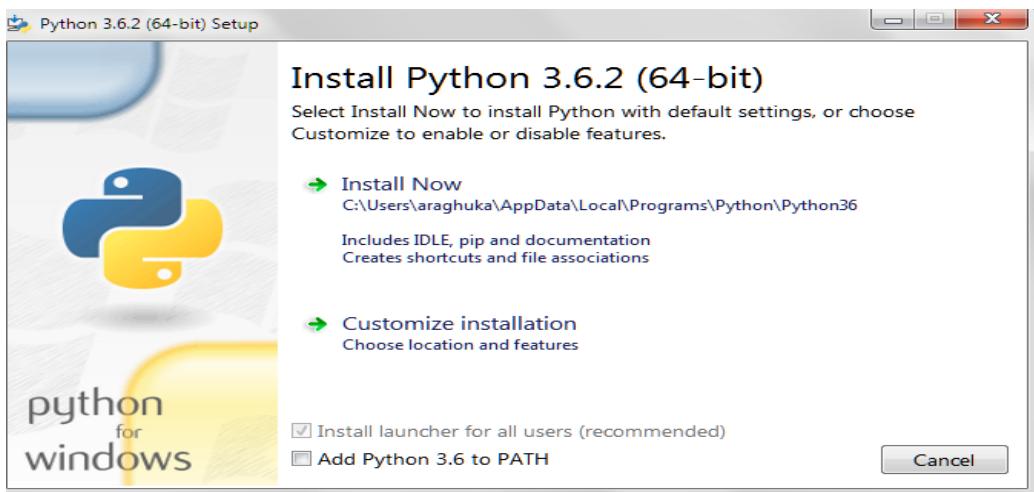
US746874: OG-Tophat Setup

The screenshot shows a list of Python 3.6.2 download links. The 'Download Windows x86-64 web-based installer' link is highlighted in blue, indicating it is the correct version to download.

- Download [Windows help file](#)
- [Python 3.6.2 - 2017-07-17](#)
 - Download [Windows x86 web-based installer](#)
 - Download [Windows x86 executable installer](#)
 - Download [Windows x86 embeddable zip file](#)
 - [Download Windows x86-64 web-based installer](#)
 - Download [Windows x86-64 executable installer](#)
 - Download [Windows x86-64 embeddable zip file](#)
 - Download [Windows help file](#)
- [Python 3.6.2rc2 - 2017-07-07](#)
 - Download [Windows x86 web-based installer](#)

Should download 3.6.2 version.

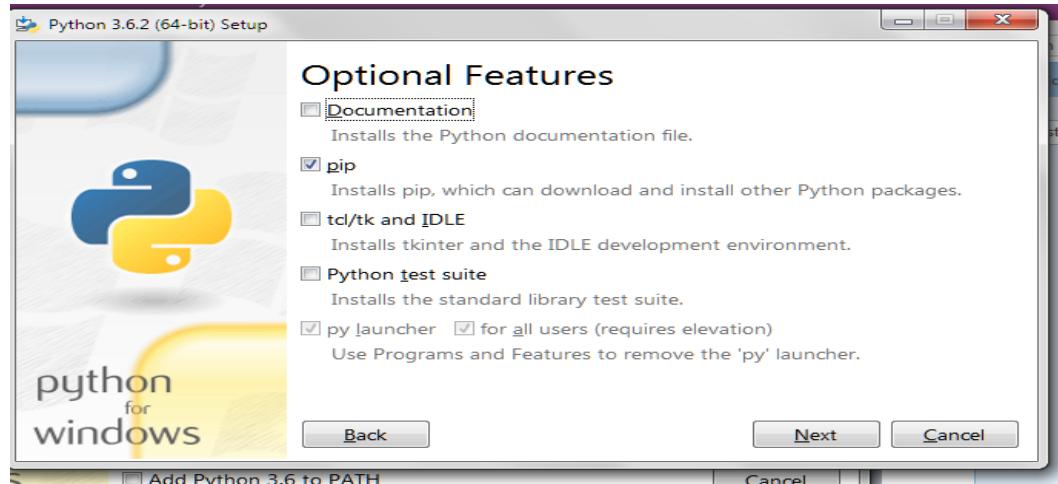
1. First download python version 3.6.2
2. Select customize installation and choose pip
3. Add the directory C:/Python/scripts to the environmental variables by adding by a semicolon.
4. Command: pip install flask flask-cors flask-restful --proxy=http://cdsid:password@19.12.2.40:83



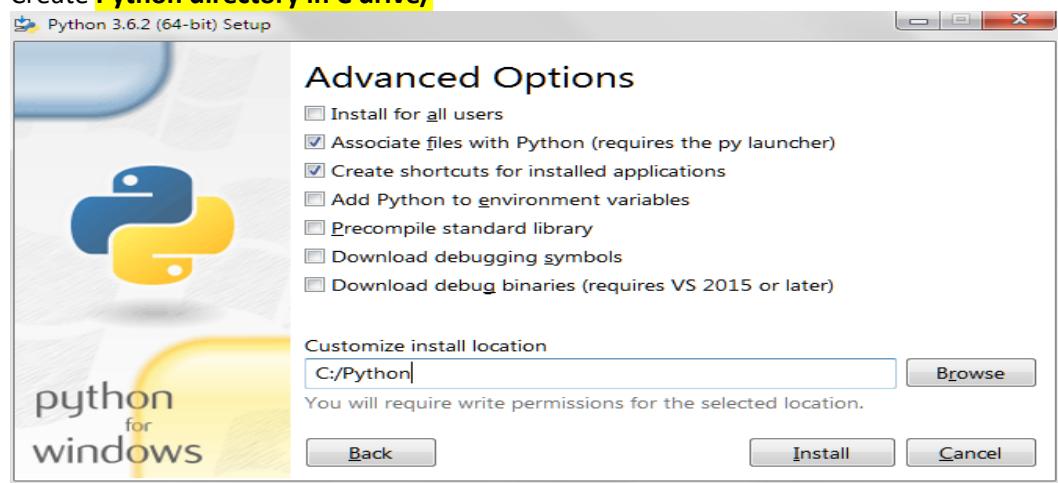


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



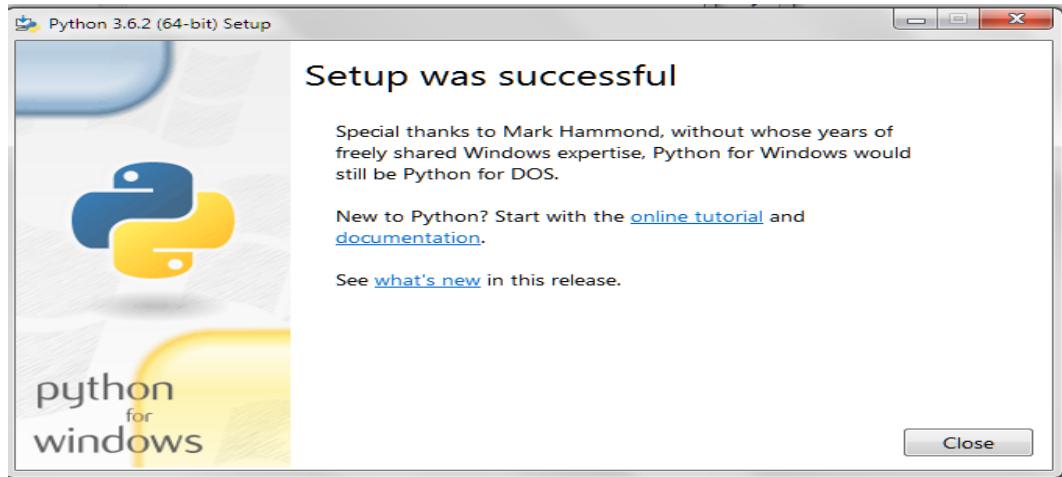
Create **Python directory in C drive/**





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Check the installation is completed properly by running the below command in command prompt
py

```
C:\Users\araghuka>py
Python 3.6.2 (v3.6.2:5fd33b5, Jul  8 2017, 04:57:36) [MSC v.1900 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

```
Administrator: C:\windows\system32\cmd.exe
22kB)          100% | 327kB 326kB/s
Collecting Six (from flask-cors)
  Downloading https://files.pythonhosted.org/packages/67/4b/141a581104b1f6397bfa
78ac9d43d8ad29a7ca43ea90a2d863fe3056e86a/six-1.11.0-py2.py3-none-any.whl
Collecting pytz (from flask-restful)
  Downloading https://files.pythonhosted.org/packages/30/4e/27c34b62430286c6d591
77a0842ed90dc789ce5d1ed740887653b898779a/pytz-2018.5-py2.py3-none-any.whl (510kB)
)
  100% | 512kB 721kB/s
Collecting aniso8601>=0.82 (from flask-restful)
  Downloading https://files.pythonhosted.org/packages/17/13/eecdcc638c0ea3b105eb
b62ff4e76914a744ef1b6f308651dbed368c6c01/aniso8601-3.0.2-py2.py3-none-any.whl
Collecting MarkupSafe>=0.23 (from Jinja2>=2.10->flask)
  Downloading https://files.pythonhosted.org/packages/4d/de/32d741db316d8fdb7680
822dd37001ef7a448255de9699ab4bfcbdf4172b/MarkupSafe-1.0.tar.gz
Installing collected packages: MarkupSafe, Jinja2, click, itsdangerous, Werkzeug
, flask, Six, flask-cors, pytz, aniso8601, flask-restful
  Running setup.py install for MarkupSafe ... done
  Running setup.py install for itsdangerous ... done
Successfully installed Jinja2-2.10 MarkupSafe-1.0 Six-1.11.0 Werkzeug-0.14.1 ani
so8601-3.0.2 click-6.7 flask-1.0.2 flask-cors-3.0.6 flask-restful-0.3.6 itsdange
rous-0.24 pytz-2018.5
You are using pip version 9.0.1, however version 18.0 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Python\Scripts>
```

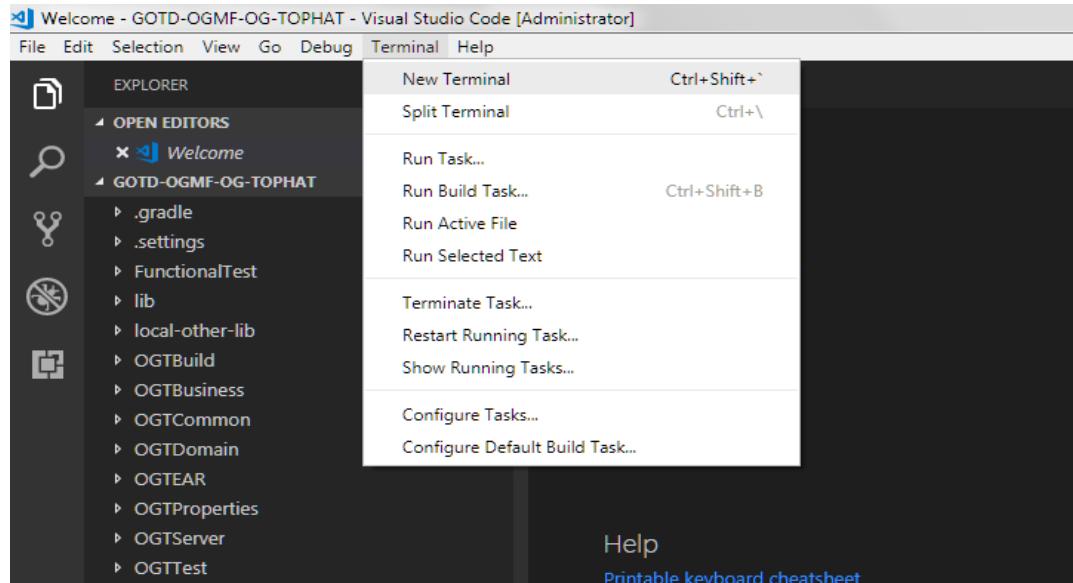
9. OGT fake server

Open visual studio and click **Terminal**.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



The screenshot shows the Visual Studio Code interface with the title bar "Welcome - GOTD-OGMF-OG-TOPHAT - Visual Studio Code [Administrator]". The left sidebar shows a project structure with folders like ".gradle", ".settings", "FunctionalTest", "lib", "local-other-lib", "OGTBuild", "OGTBusiness", "OGTCommon", "OGTDomain", "OGTEAR", "OGTProperties", "OGTServer", and "OGTTest". The "TERMINAL" tab is selected at the bottom, showing a command-line output window. The terminal window has tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The output window displays a file listing from the command line:

```
09/24/2018 06:52 PM <DIR> lib
09/24/2018 06:52 PM <DIR> local-other-lib
09/24/2018 06:52 PM <DIR> OGTBuild
09/24/2018 06:52 PM <DIR> OGTBusiness
09/24/2018 06:52 PM <DIR> OGTCommon
09/24/2018 06:52 PM <DIR> OGTDomain
09/24/2018 06:52 PM <DIR> OGTEAR
09/24/2018 06:52 PM <DIR> OGTProperties
09/24/2018 06:52 PM <DIR> OGTServer
09/24/2018 06:52 PM <DIR> OGTTest
09/24/2018 06:52 PM <DIR> OGTVI
09/24/2018 06:52 PM <DIR> OGTVWeb
09/24/2018 06:52 PM 149 settings.gradle
09/24/2018 06:52 PM 618 sonarqube.gradle
13 File(s) 40,080 bytes
17 Dir(s) 34,017,280 bytes free
```

The command at the bottom of the terminal window is "C:\projects\git\GOTD-OGMF-OG-TOPHAT>git checkout feature/figo-658014".



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Enter git status as shown below

The screenshot shows a terminal window with the following content:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL
09/24/2018 06:52 PM <DIR>          OGUIT
09/24/2018 06:52 PM <DIR>          OGUITWeb
09/24/2018 06:52 PM                149 settings.gradle
09/24/2018 06:52 PM                618 sonarqube.gradle
                           13 File(s)      40,000 bytes
                           17 Dir(s)     34,017,280 bytes free

C:\projects\git\GOTD-OGMF-OG-TOPHAT>git checkout feature/figo-658014
Switched to a new branch 'feature/figo-658014'
Branch feature/figo-658014 set up to track remote branch feature/figo-658014 from origin

C:\projects\git\GOTD-OGMF-OG-TOPHAT>git status
On branch feature/figo-658014
Your branch is up-to-date with 'origin/feature/figo-658014'.

nothing to commit, working tree clean

C:\projects\git\GOTD-OGMF-OG-TOPHAT>
```

At the bottom left of the terminal window, there is a status bar with the text: 'feature/figo-658014' followed by several small icons.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows a terminal window in a development environment. On the left is a file tree for a project named 'GOTD-OGMF-OG-TOPHAT'. The 'src' directory contains 'main', 'webapp', 'json', 'ogt', 'test', 'translations', 'WEB-INF', 'webCore', and 'wahtrandr' sub-directories. The terminal tab is labeled 'cmd'. The output shows the command 'npm install' being run, followed by several error messages from npm indicating missing files like 'package.json', 'description', 'repository', 'README', and 'license'. It also mentions that the package is up to date at version 1.116.

```
C:\projects\git\GOTD-OGMF-OG-TOPHAT>npm install
npm WARN saveError ENOENT: no such file or directory, open 'C:\projects\git\GOTD-OGMF-OG-TOPHAT\package.json'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN enoent ENOENT: no such file or directory, open 'C:\projects\git\GOTD-OGMF-OG-TOPHAT\package.json'
npm WARN GOTD-OGMF-OG-TOPHAT No description
npm WARN GOTD-OGMF-OG-TOPHAT No repository field.
npm WARN GOTD-OGMF-OG-TOPHAT No README data
npm WARN GOTD-OGMF-OG-TOPHAT No license field.

up to date in 1.116s

C:\projects\git\GOTD-OGMF-OG-TOPHAT>
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the Eclipse IDE interface with the terminal view open. The terminal window displays the following command and its execution:

```
C:\projects\git\GOTD-OGMF-OG-TOPHAT>npm install
npm WARN saveError ENOENT: no such file or directory, open 'C:\projects\git\GOTD-OGMF-OG-TOPHAT\package.json'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN enoent ENOENT: no such file or directory, open 'C:\projects\git\GOTD-OGMF-OG-TOPHAT\package.json'
npm WARN GOTD-OGMF-OG-TOPHAT No description
npm WARN GOTD-OGMF-OG-TOPHAT No repository field.
npm WARN GOTD-OGMF-OG-TOPHAT No README data
npm WARN GOTD-OGMF-OG-TOPHAT No license field.

up to date in 1.116s

C:\projects\git\GOTD-OGMF-OG-TOPHAT>
```

The terminal window has tabs labeled PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The status bar at the bottom shows the path C:\feature/figo-658014, Ln 1, Col 3, Spaces:4, UTF-8, CREF.

Navigate to below path.

C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp

Execute the below commands:

**npm config set proxy http://username:password@19.12.2.40:83
npm config set strict-ssl=false**

Verify that .npmrc file is created under C:\Users\<cdsid>

Run **npm install** command at the terminal.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp>npm install
npm WARN ogtui@1.0.0 No repository field.
npm WARN The package lodash is included as both a dev and production dependency.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\karma\node_
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: war
"win32", "arch": "x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\chokidar\node_
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: war
"win32", "arch": "x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\browser-sync\node_
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: war
"win32", "arch": "x64"})

added 842 packages from 979 contributors and audited 4976 packages in 108.444s
found 19 vulnerabilities (10 low, 9 high)
  run `npm audit fix` to fix them, or `npm audit` for details

C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp>
```

This will download all the dependencies from package.json file in our application.

Run **npm run build**

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp>npm run build
> ogtui@1.0.0 build C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp
> tsc -p .

[1]
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Run `npm webpack`

The screenshot shows a terminal window with the following interface elements:

- Top bar: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL.
- Right side: A dropdown menu labeled "1: node" with icons for new terminal, close, and others.

The terminal content is:

```
C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp>npm run webpack

> ogtui@1.0.0 webpack C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp
> webpack --config webpack.config.js
```

A vertical scroll bar is visible on the left side of the terminal window.

10. Start OGT fake server

Run the below command under python scripts folder

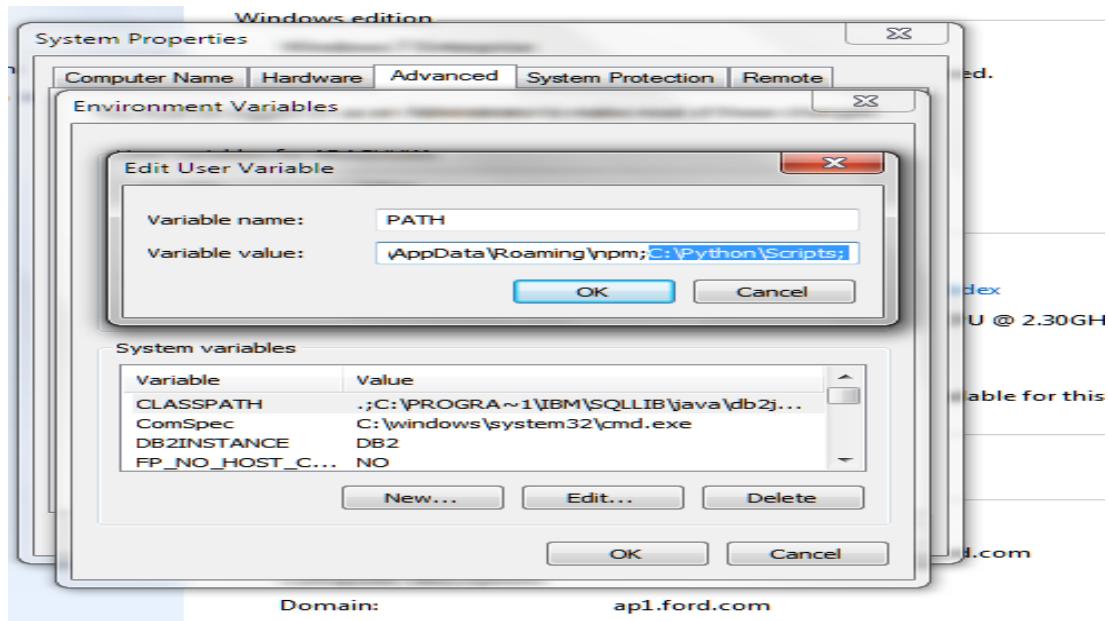
```
pip install flask flask-cors flask-restful --proxy=http://<cdsid>:<password>@19.12.2.40:83
```

Go to Environment Variables and add the python path as below.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Go to the fakeServer location C:\projects\git\GOTD-OGMF-OG-TOPHAT\OGTUI\src\main\webapp

Execute below commands:

```
set FLASK_APP=fakeOgtWeb  
set FLASK_DEBUG=1  
py -m flask run -p 21682
```

11. Code changes

Open **fakeOgtWeb.py**

Modify the **UserId** and other attributes highlighted in green.

```
class User(Resource):  
    def get(self):  
        return {"userId": "CDSID", "lastName": "last  
name", "email": "cdsid@ford.com", "initials": "Initial", "firstName": "first  
name"}
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

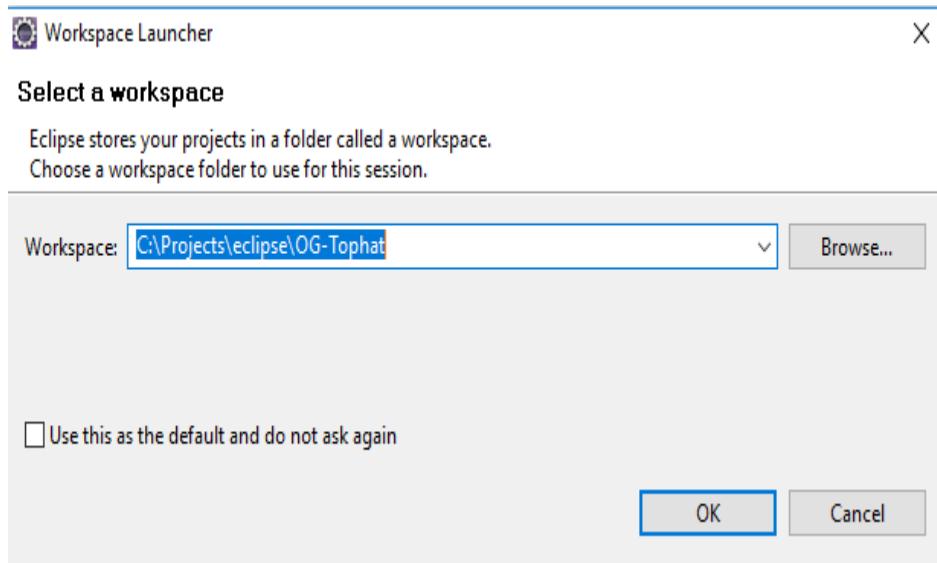
12. Launch application using OGT fake server

You are ready to launch your application. Hit the below URL

<http://localhost:21682/index.html>

13. Codebase setup in Eclipse

Open eclipse

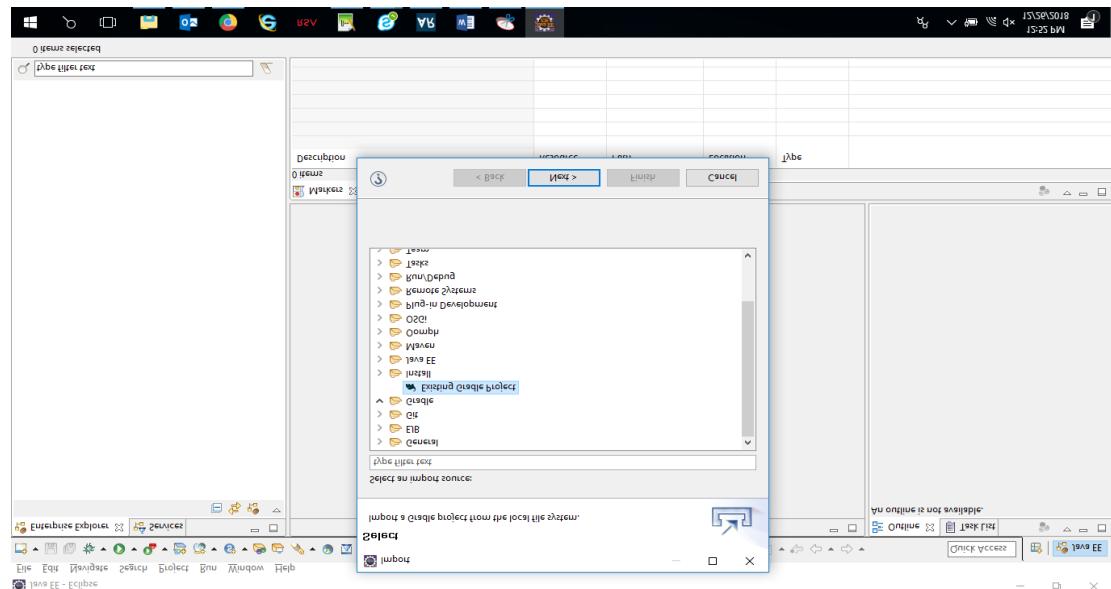
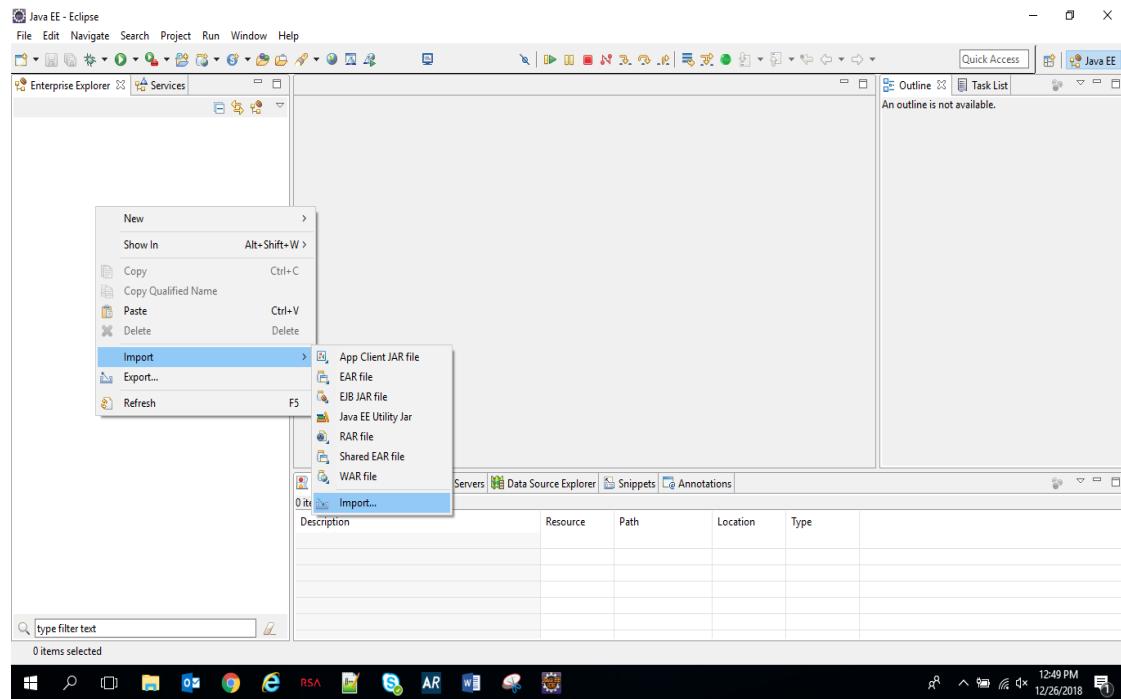


Close welcome window and Click on Enterprise explorer tab. Right click on Enterprise explorer and select **Import** option.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

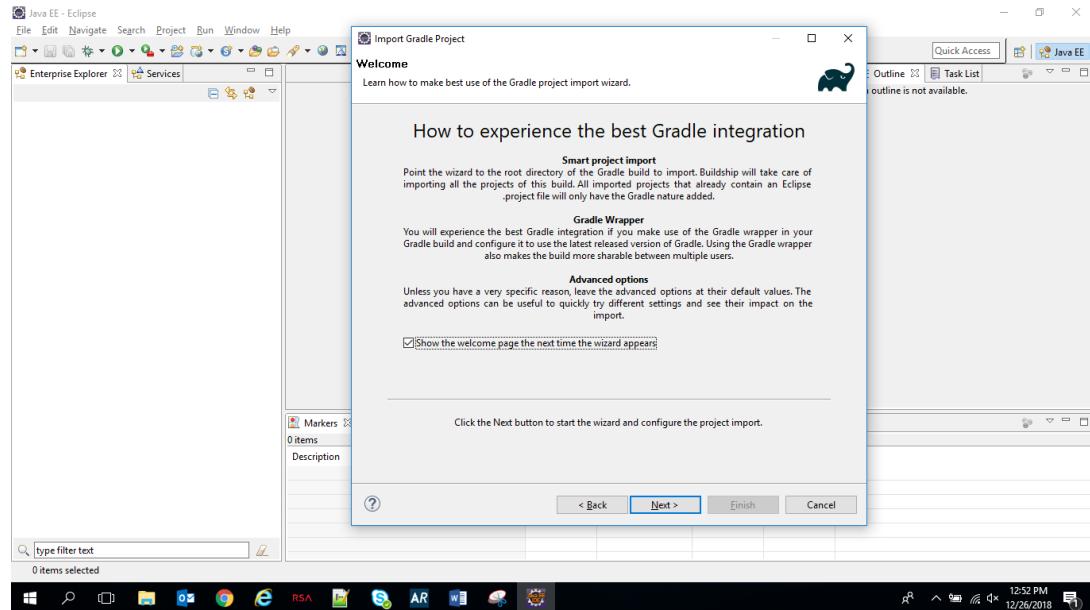




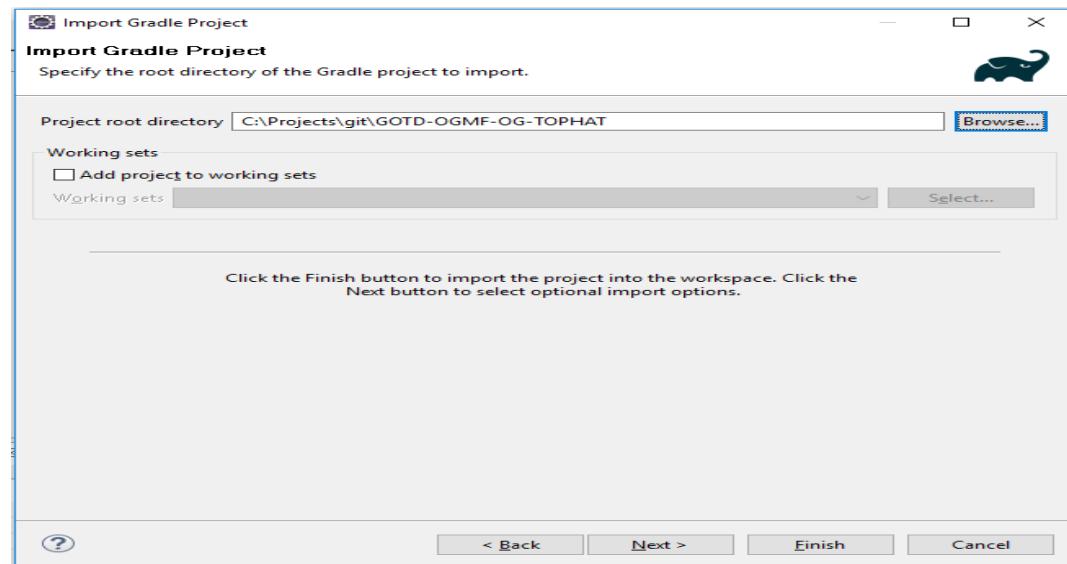
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Click on Next



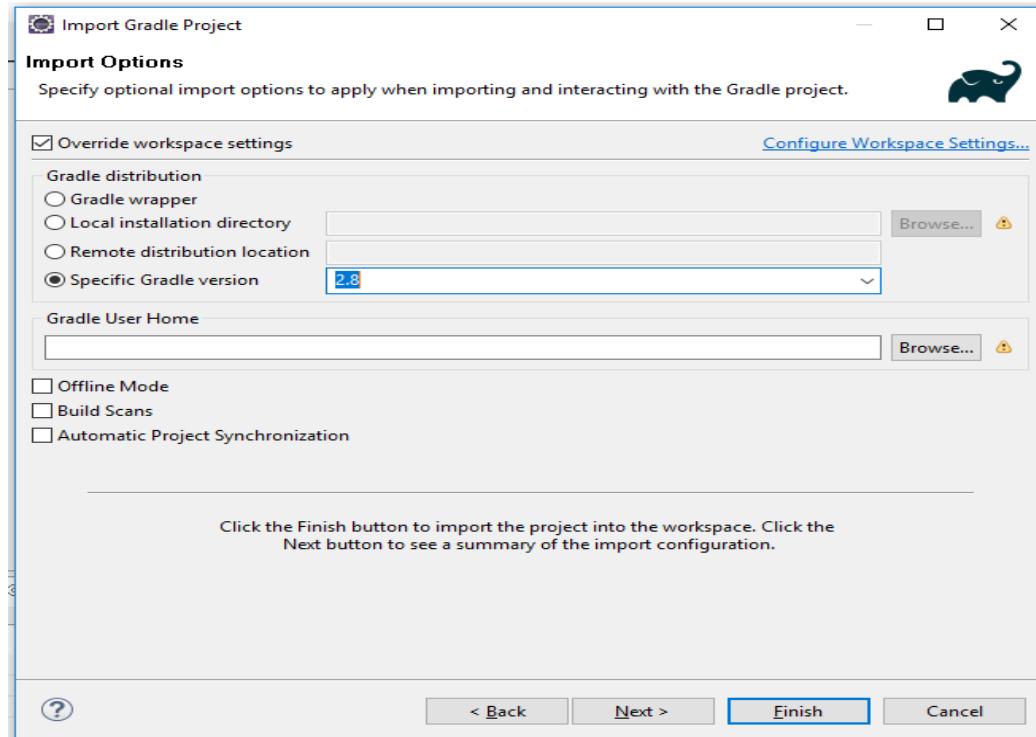
Browse the location in your system where you checkout the code. Click on **Next**





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

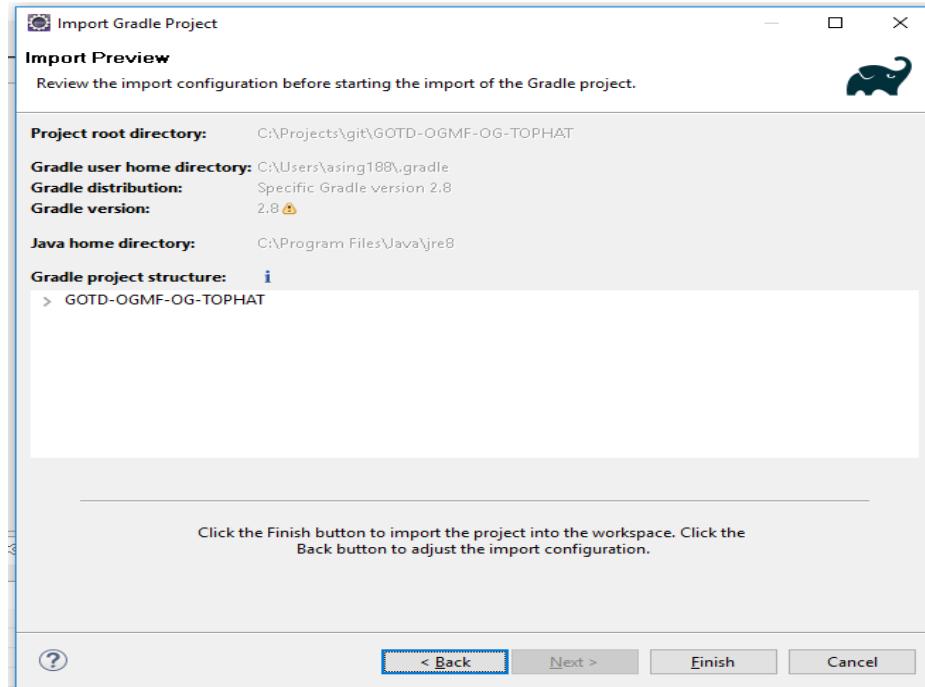


Checkbox “Override workspace setting” option and Radio button “Specific Gradle version” as 2.8.
Click Next.

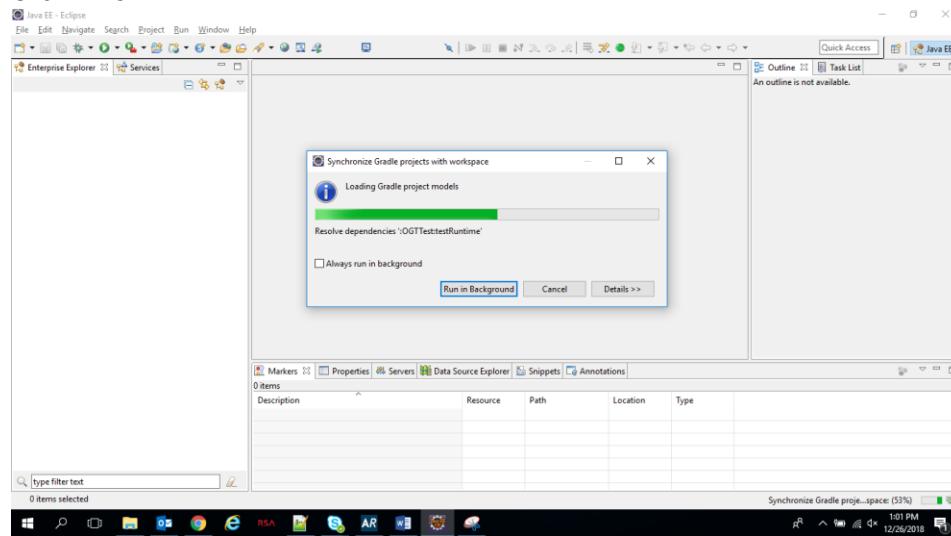


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



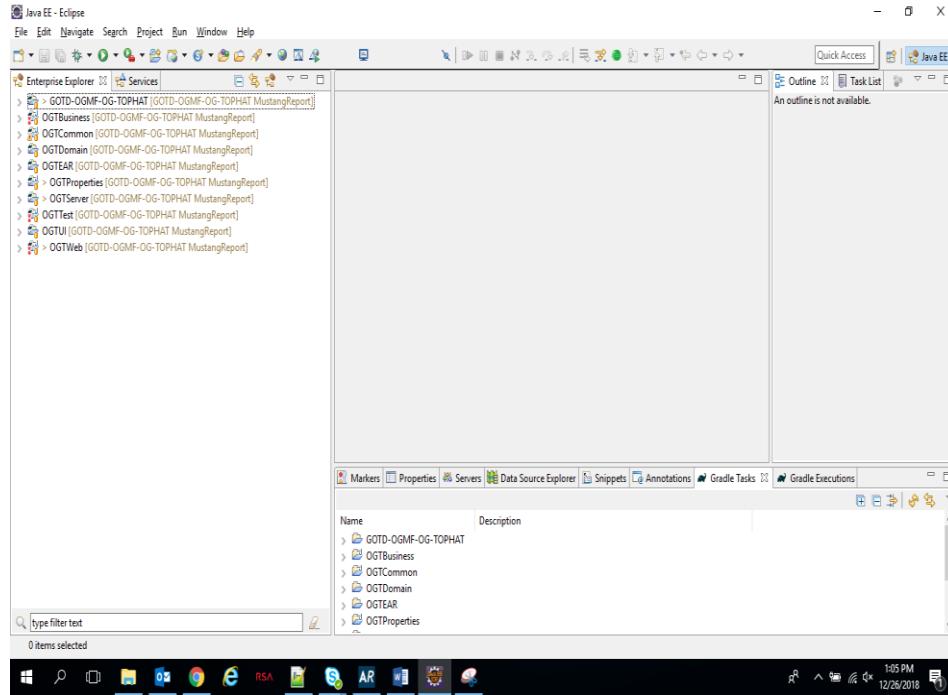
Click Finish.





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



All coded checkout in Eclipse successfully.

14. Code changes required in Eclipse

Open file **OGTDeveloperRestClient.java** file and update **username** and **password** with your **CDSID** and save it.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the Eclipse Java EE IDE interface. The left pane displays the 'Enterprise Explorer' view with the project structure:

- > > GOTD-OGMF-OG-TOPHAT [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTBusiness [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTCCommon [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > src/main/java
 - > com.ford.mss.gotd.ogmf.ogt.common.rest
 - > com.ford.mss.gotd.ogmf.ogt.common.exception
 - > com.ford.mss.gotd.ogmf.ogt.common.rest
 - > OGIDeveloperRestClient.java
 - > OGTRestClient.java
 - > RestConstants.java
 - > RestResponse.java
 - > RestUtil.java
 - > com.ford.mss.gotd.ogmf.ogt.common.util
 - > com.ford.mss.gotd.ogmf.ogt.json
 - > IRE System Library [JavaSE-1.8]
 - > Project and External Dependencies
 - > gradle
 - > src
 - > build.gradle
 - > gradlew
 - > gradlew.bat
- > OGTDomain [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTEAR [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTProperties [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTSERVER [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTTTest [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTRUI [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTVWeb [GOTD-OGMF-OG-TOPHAT MustangReport]

Open file **AuthorizationIC.java** file and comment the else block of **getAuthorization()** method
Add below line of code inside else block.

return buildResponse(businessProcessJson.toString(), 200); As below.

The screenshot shows the Eclipse Java EE IDE interface. The left pane displays the 'Enterprise Explorer' view with the project structure:

- > > GOTD-OGMF-OG-TOPHAT [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTBusiness [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTCCommon [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTDDomain [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTEAR [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTProperties [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTSERVER [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTTTest [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTRUI [GOTD-OGMF-OG-TOPHAT MustangReport]
- > > OGTVWeb [GOTD-OGMF-OG-TOPHAT MustangReport]

Originator: ASING188

US746874: OGT setup

Page 35 of 97

Date Issued: 27/12/2018

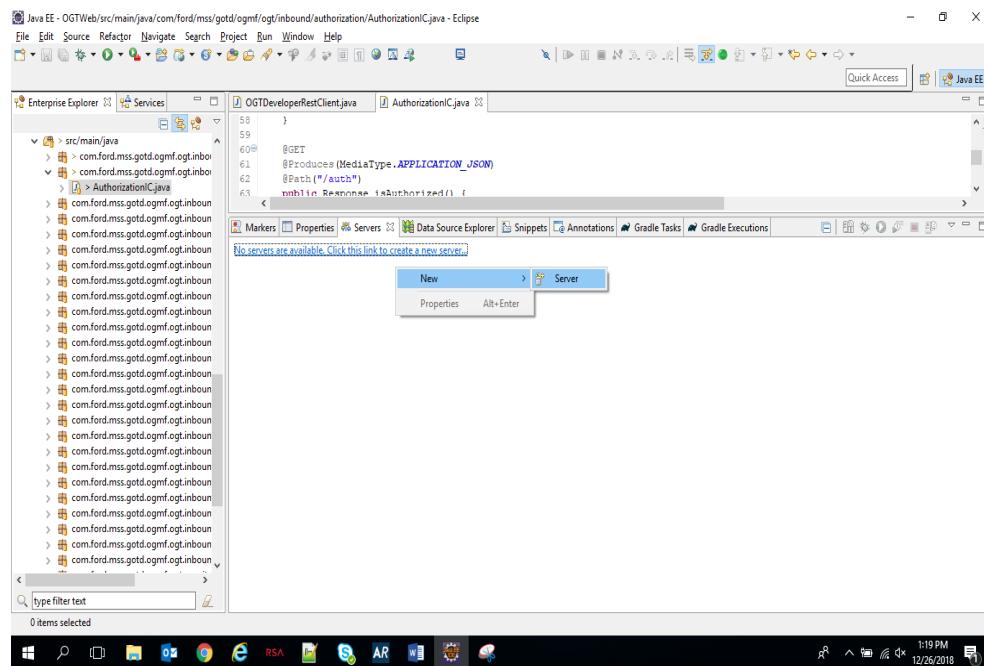


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

15. Server setup in Eclipse

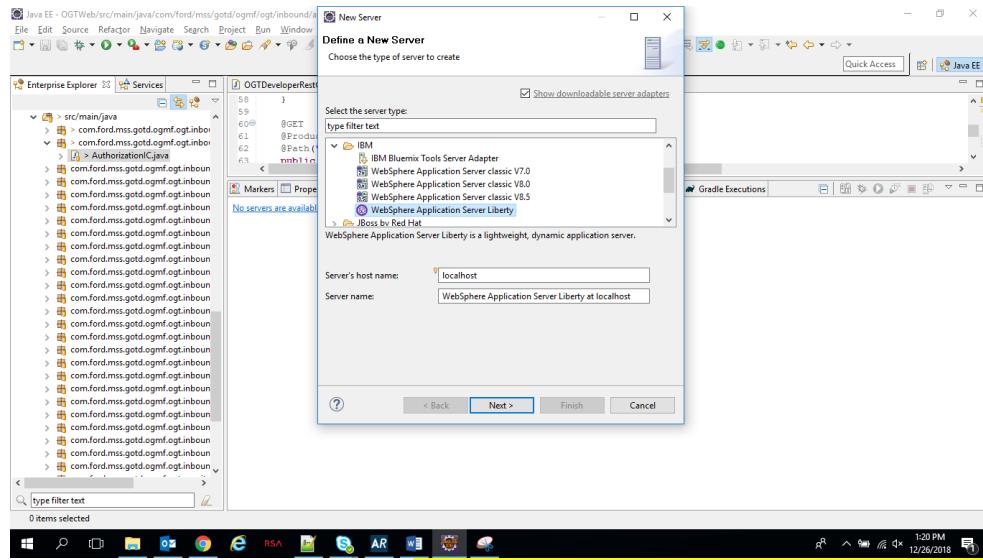
Open Server tab and create a new server.





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

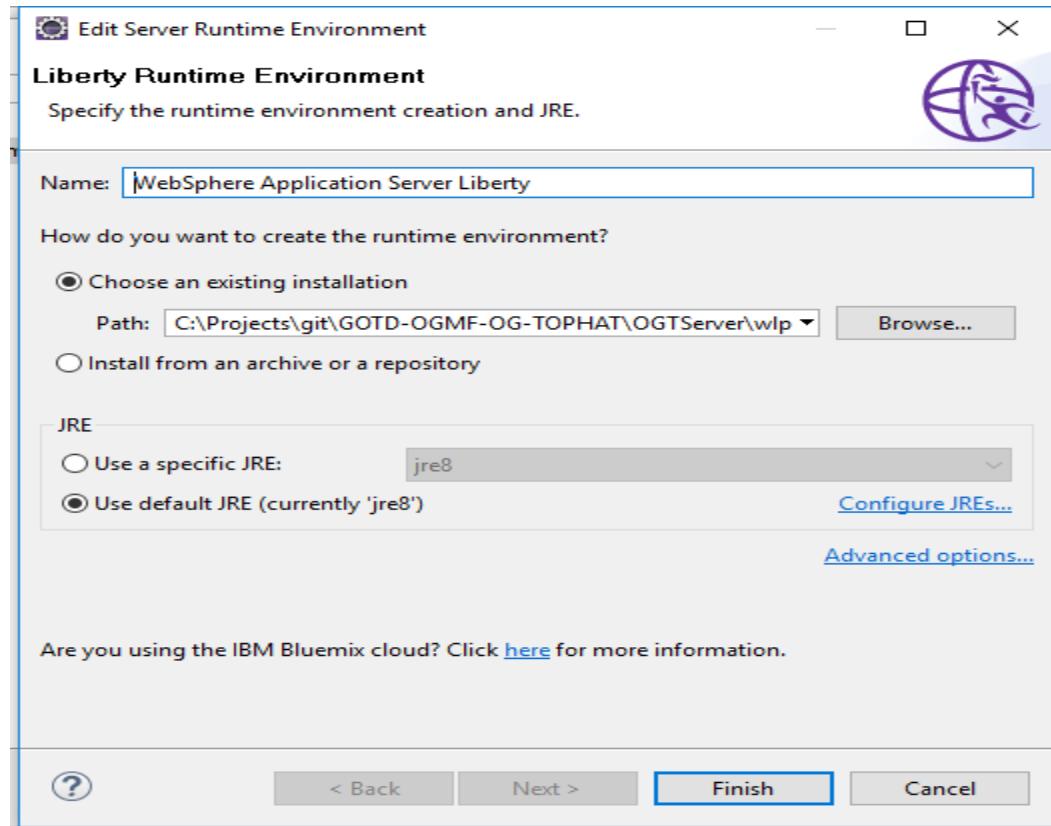


Browse the wlp path (available in **C:\Projects\git\GOTD-OGMF-OG-TOPHAT\OGTServer** path) and click on **Configure JRE** link to set the JRE path.



Order Generation And Material Forecasting (OGMF)

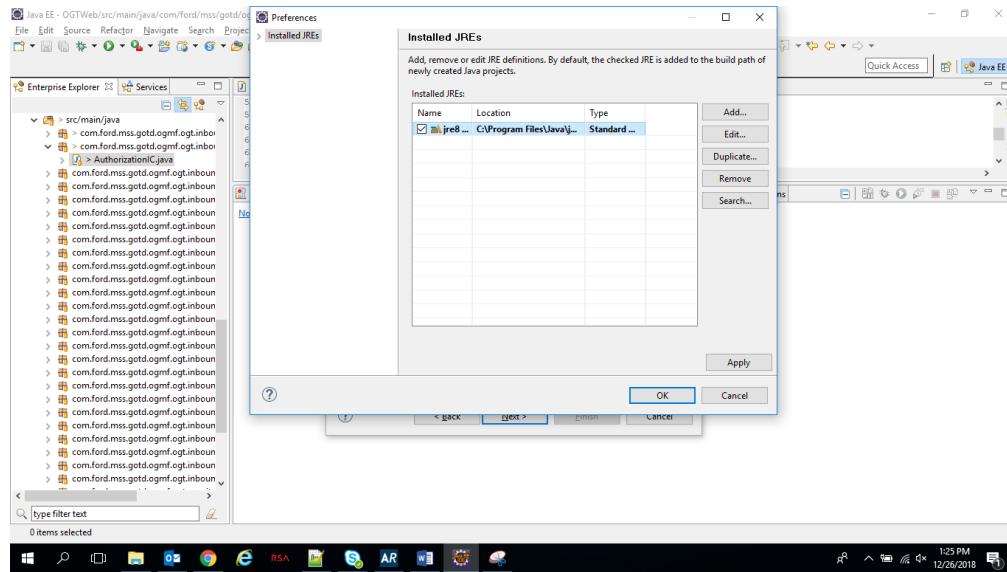
US746874: OG-Tophat Setup



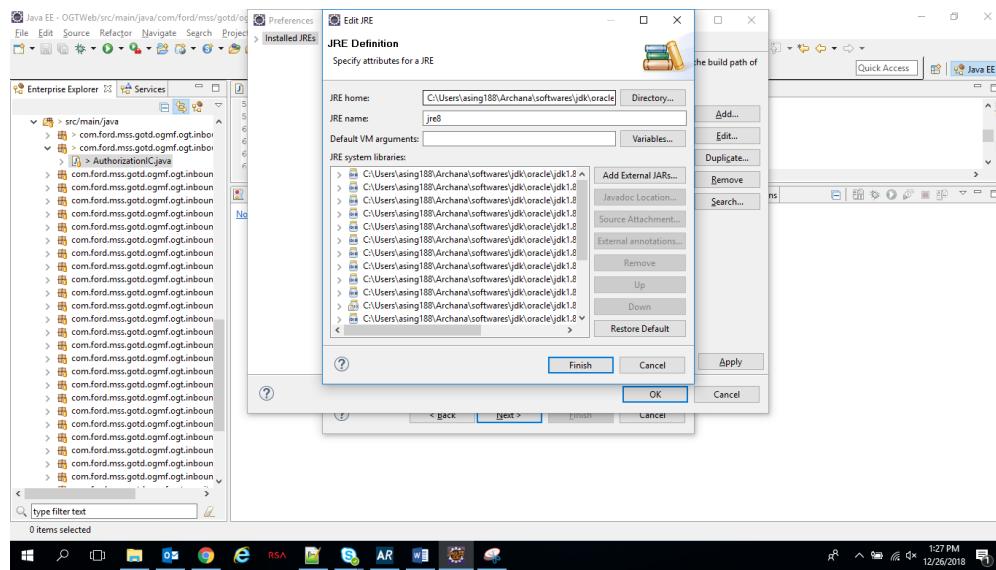


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



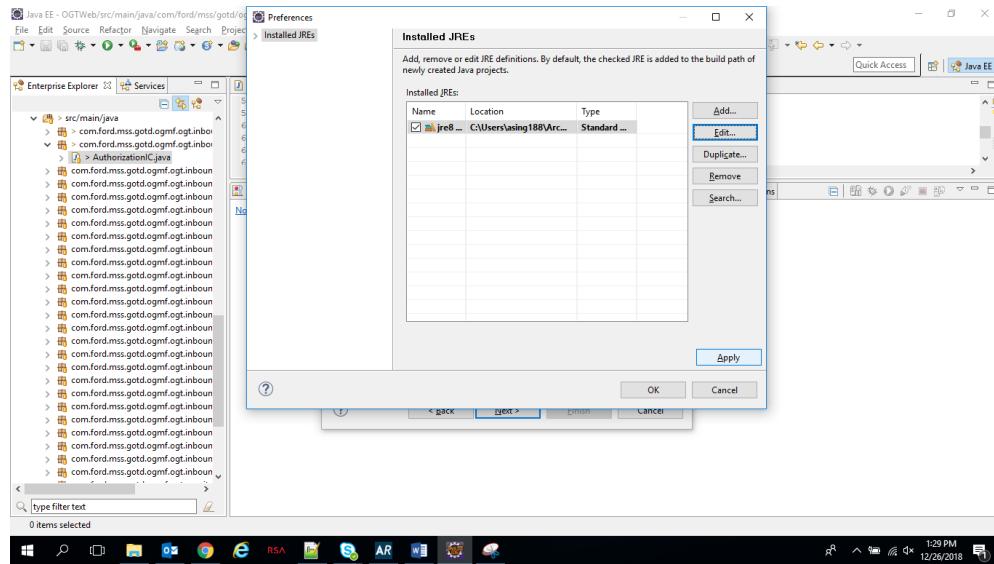
Select existing **jre** and click on **Edit** button. Set the **JRE Directory** where you kept **JRE 8** in your system. Click Finish and ok.





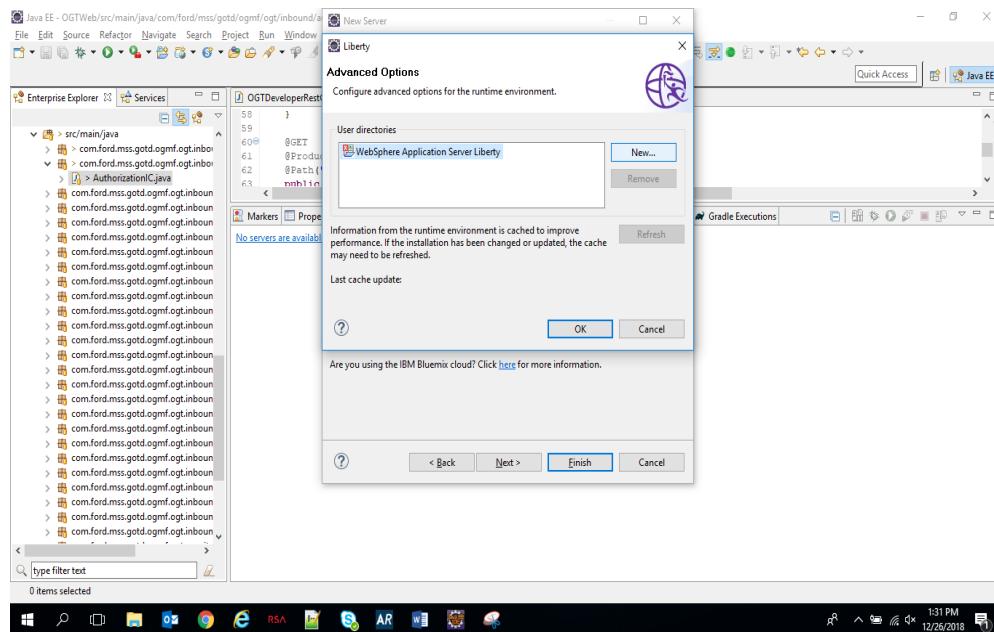
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Click Apply and Ok.

Click on **Advance Options....** Link.



Originator: ASING188

US746874: OGT setup

Page 40 of 97

Date Issued: 27/12/2018

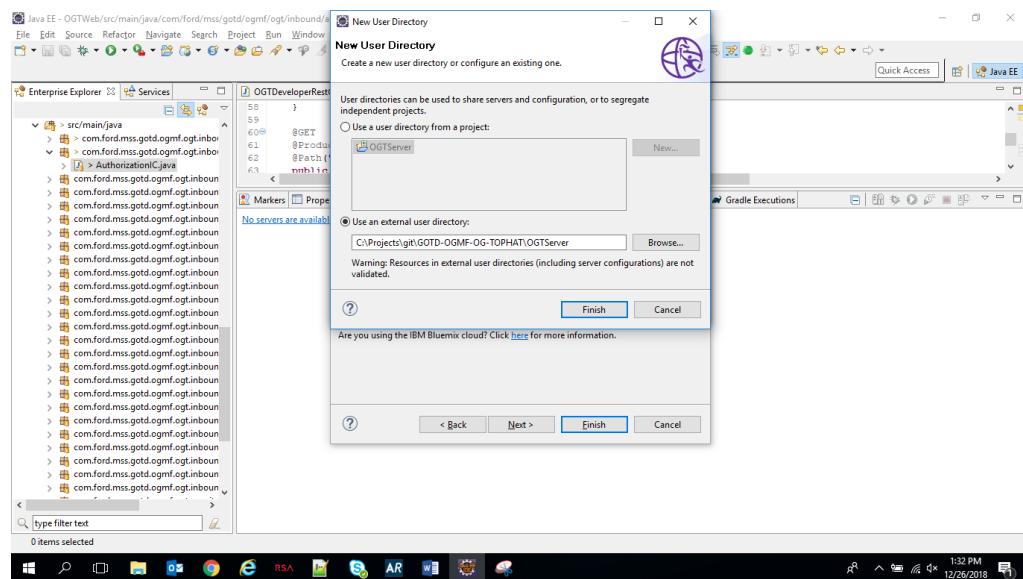


Order Generation And Material Forecasting (OGMF)

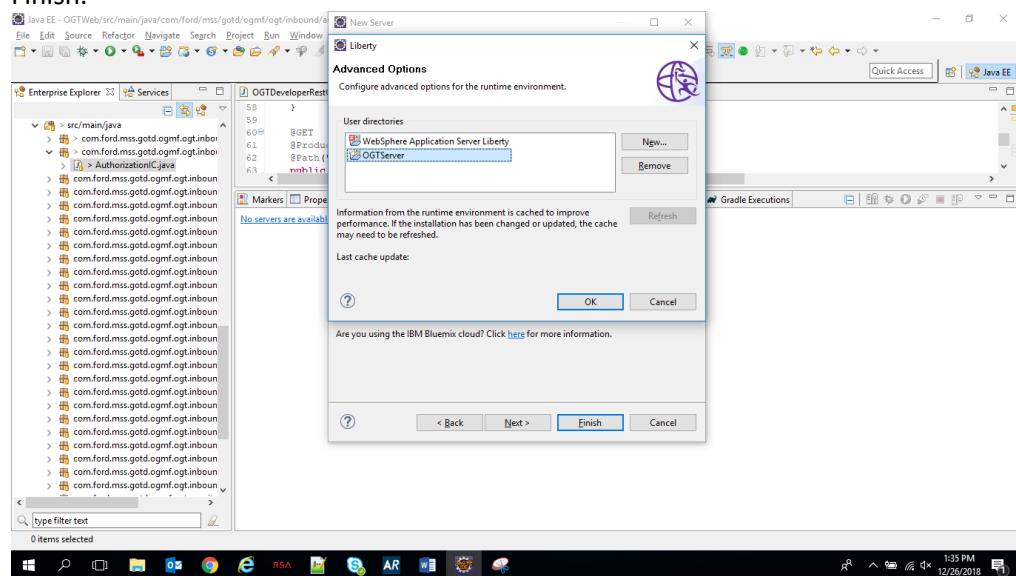
US746874: OG-Tophat Setup

Click on New button.

Choose “Use an external user directory” radio button and browse the OGTServer path.



Finish.



Originator: ASING188

US746874: OGT setup

Page 41 of 97

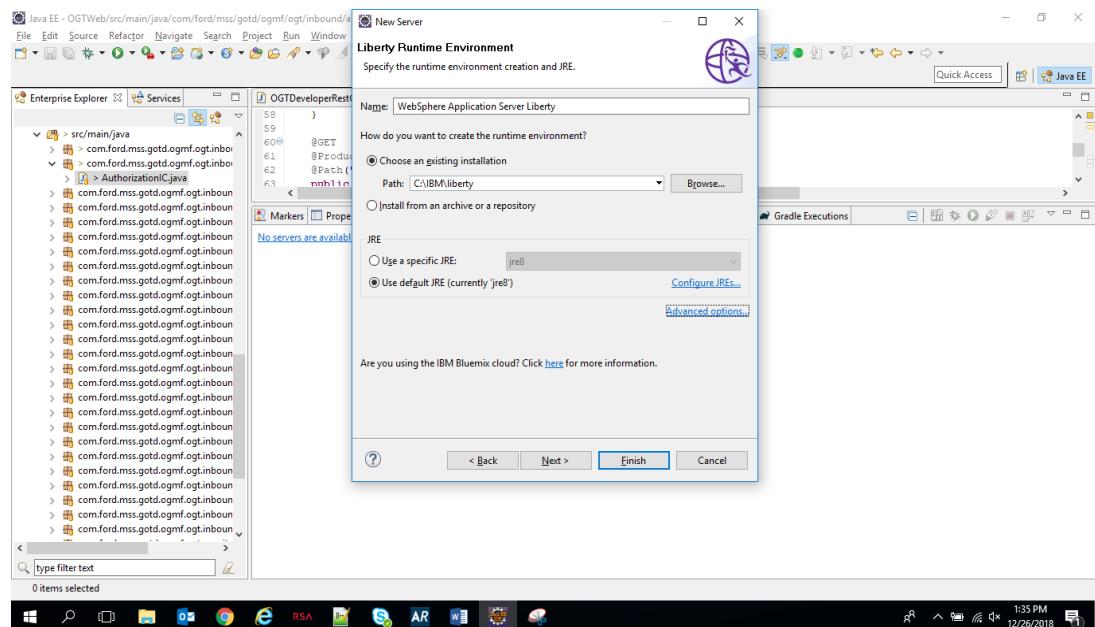
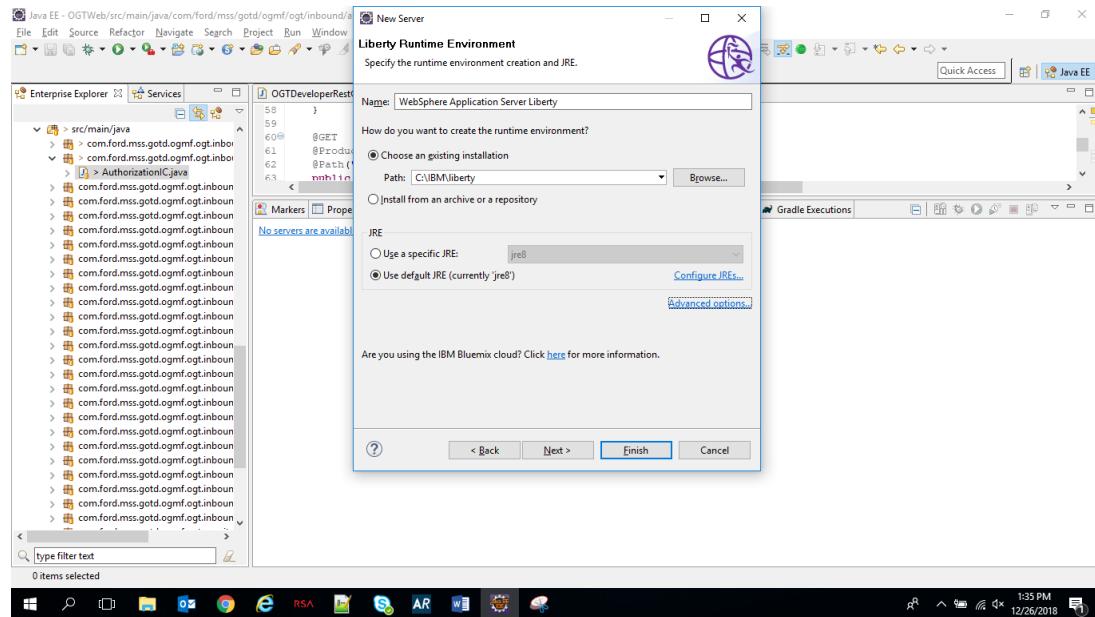
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

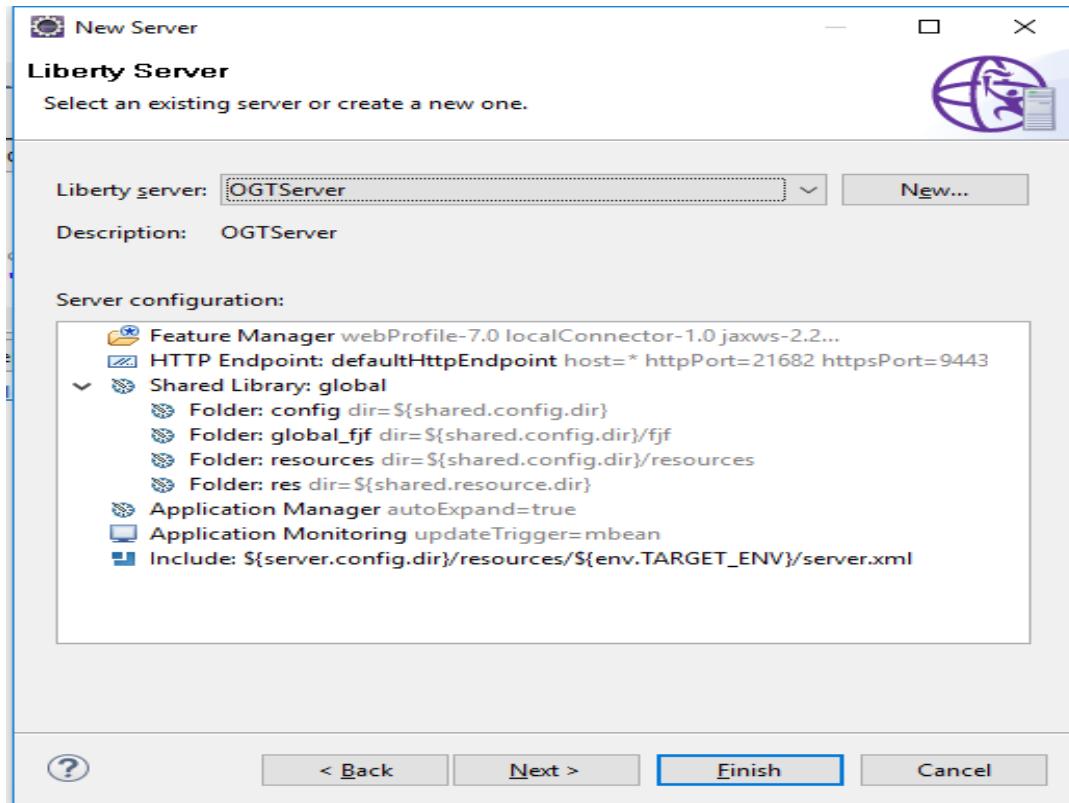
Ok





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Finish.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the Java EE - Eclipse interface. The code editor displays a Java file named OGTDeveloperRestClient.java with the following code:

```
58     }
59
60    @GET
61    @Produces(MediaType.APPLICATION_JSON)
62    @Path("/auth")
63    public Response unauthorized() {
64        return Response.status(401).build();
65    }
66}
```

The file browser (Enterprise Explorer) shows a package structure under src/main/java, including com.ford.mss.gotd.ogmf.ogt.inbou.

Server created successfully.

Open Gradle Tasks tab and right click on installOGTEAR.

The screenshot shows the Java EE - Eclipse interface with the Gradle Tasks tab expanded. It lists a task named GOTO-OGMF-OG-TOPHAT with the following sub-tasks:

- appinstall
- installOGTEAR
- build setup
- build
- dependency
- deployment
- distribution
- documentation
- help
- ide
- integratedtesting
- liberty
- verification

Below this, there is a tree view of project modules:

- OGTBusiness
- OGTCommon
- OGTDomain
- OGTEAR
- OGTProperties
- OGTServer
- OGTTest
- OGTUI
- OGTWah

Originator: ASING188

US746874: OGT setup

Page 44 of 97

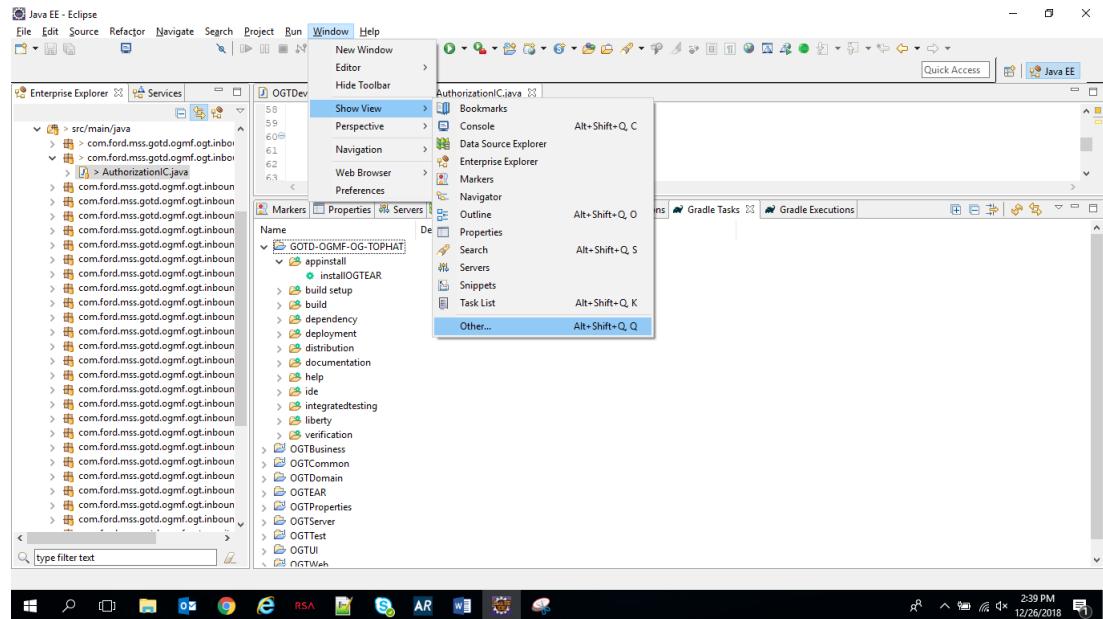
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

If you not seeing Gradle Tasks open Windows->show view->others

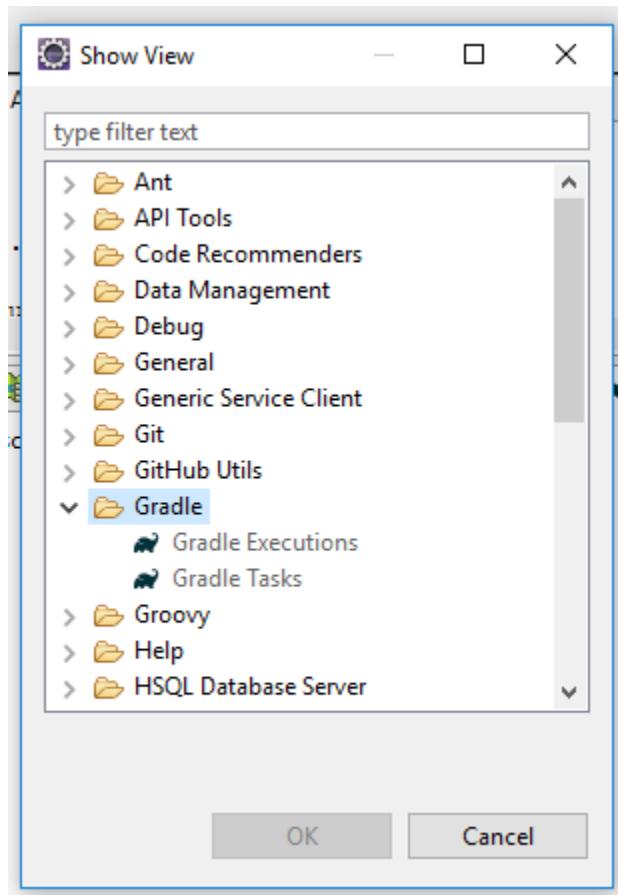


Ok



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

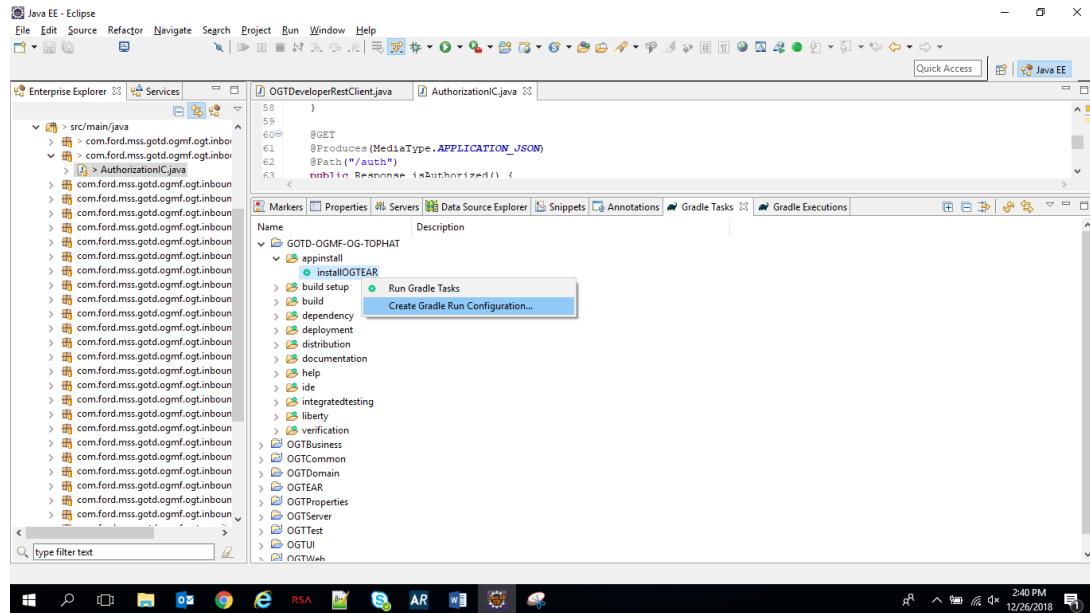


Ok

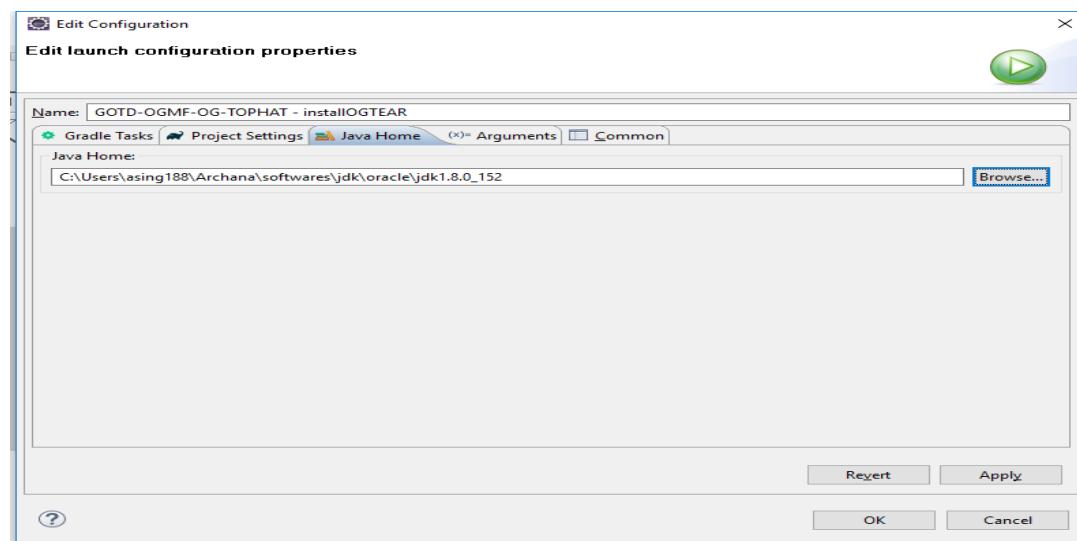


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Create Gradle Run Configuration and set the **JAVA HOME**.



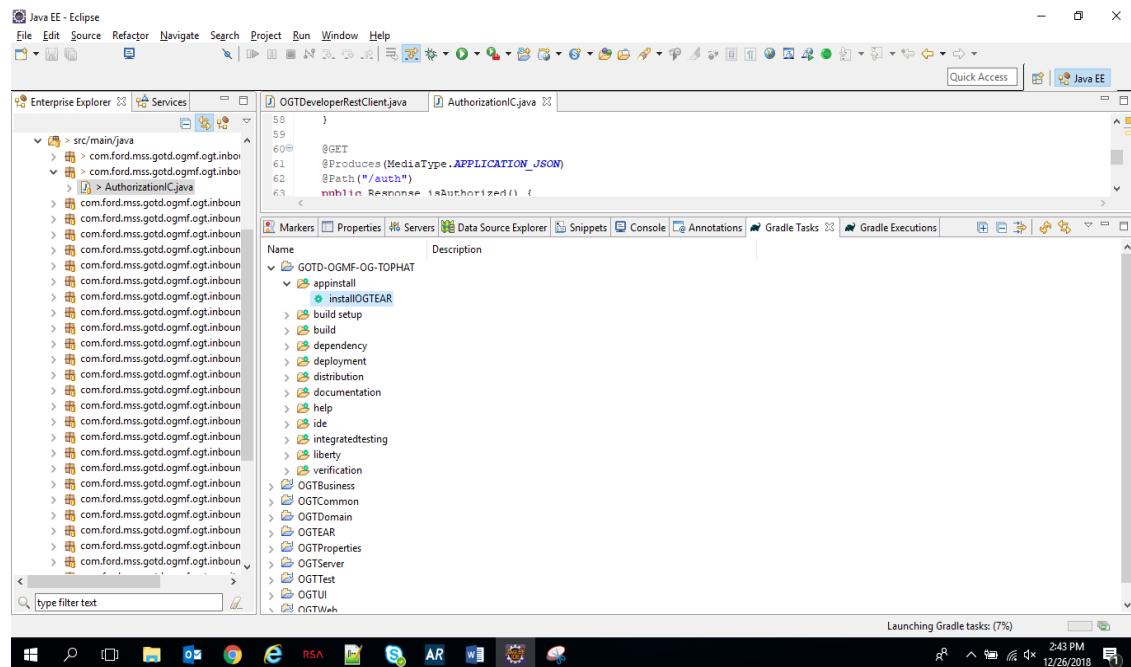


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Click ok.

Double click on installOGTEAR.



Once Build is successful, start the server.

The screenshot shows the Eclipse Console view with the title 'GOTD-OGMF-OG-TOPHAT - installOGTEAR [Gradle Project] installOGTEAR in C:\Projects\git\GOTD-OGMF-OG-TOPHAT (Dec 26, 2018 2:42:52 PM)'. The console output displays a Gradle build log:

```
GOTD-OGMF-OG-TOPHAT - installOGTEAR [Gradle Project] installOGTEAR in C:\Projects\git\GOTD-OGMF-OG-TOPHAT (Dec 26, 2018 2:42:52 PM)
:OGTProperties:processResources UP-TO-DATE
:OGTProperties:classes UP-TO-DATE
:OGTProperties:jar
:OGTUI:compileJava UP-TO-DATE
:OGTUI:processResources UP-TO-DATE
:OGTUI:classes UP-TO-DATE
:OGTUI:war
:OGTWeb:compileJava
:OGTWeb:processResources UP-TO-DATE
:OGTWeb:classes
:OGTWeb:war
:OGTEAR:ear
:OGTEAR:assemble
:OGTEAR:check UP-TO-DATE
:OGTEAR:build
:dropTheEAR
:installOGTEAR

BUILD SUCCESSFUL

Total time: 5 mins 54.638 secs
```

Originator: ASING188

US746874: OGT setup

Page 48 of 97

Date Issued: 27/12/2018



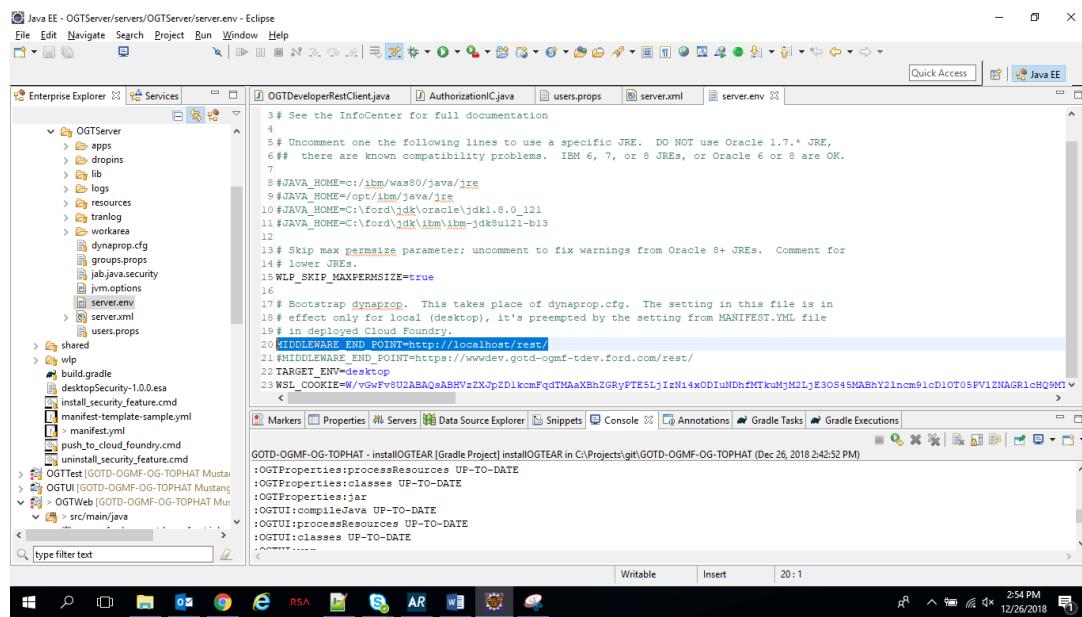
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

16. Local OGT to OGM Connection

Open file: server.env under OGTServer. Change **MIDDLEWARE_END_POINT=http://localhost/rest/**

And WSL_COOKIE value (your system wsl cookie value. Open link for wsl cookie:
<https://www.wsl.ford.com>)



The screenshot shows the Eclipse IDE interface with the Java EE perspective selected. The central view displays the contents of the 'server.env' file. The file contains environment variables for the OGTServer, including the MIDDLEWARE_END_POINT set to http://localhost/rest/ and the WSL_COOKIE variable. The code editor has syntax highlighting and various Eclipse toolbars and menus visible.

```
# See the InfoCenter for full documentation
#
# Uncomment one the following lines to use a specific JRE. DO NOT use Oracle 1.7.* JRE,
# there are known compatibility problems. IBM 6, 7, or 8 JREs, or Oracle 6 or 8 are OK.
#
#JAVA_HOME=/ibm/was80/java/jre
#JAVA_HOME=/opt/ibm/java/jre
#JAVA_HOME=C:\ford\jdk\oracle\jdk1.8.0_121
#JAVA_HOME=C:\ford\jdk\ibm\jdk8u121-b13
#
# Skip max permSize parameter; uncomment to fix warnings from Oracle 8+ JREs. Comment for
# lower JREs.
#WLP_SKIP_MAXPERMSIZE=true
#
# Bootstrap dynprop. This takes place of dynprop.cfg. The setting in this file is in
# effect only for local (desktop), it's preempted by the setting from MANIFEST.XML file
# if you're using Cloud Foundry.
#
#MIDDLEWARE_END_POINT=http://localhost/rest/
#MIDDLEWARE_END_POINT=https://wwwdev.gotd-ogmf-tdev.ford.com/rest/
#TARGET_ENV=desktop
#WSL_COOKIE=W/vSwFvU2ABAQaRHVzXOpZD1kcmFqdITMaXbH2GRyPTESlJ1zN14xDfDuNdhfNTkuMjM2LjE3O845MAhY21ncm91cD1OT05PV1LNAGR1cHQ9MT
#
#OTTest (GOTD-OGMF-OG-TOPHAT Mustang)
#OTGU (GOTD-OGMF-OG-TOPHAT Mustang)
#OGTWeb (GOTD-OGMF-OG-TOPHAT Mustang)
#src/main/java

```

Save file and restart the server.

Once OGT server started, open OGM workspace and start OGM server.

Launch application URL: <http://localhost:21682/index.html>

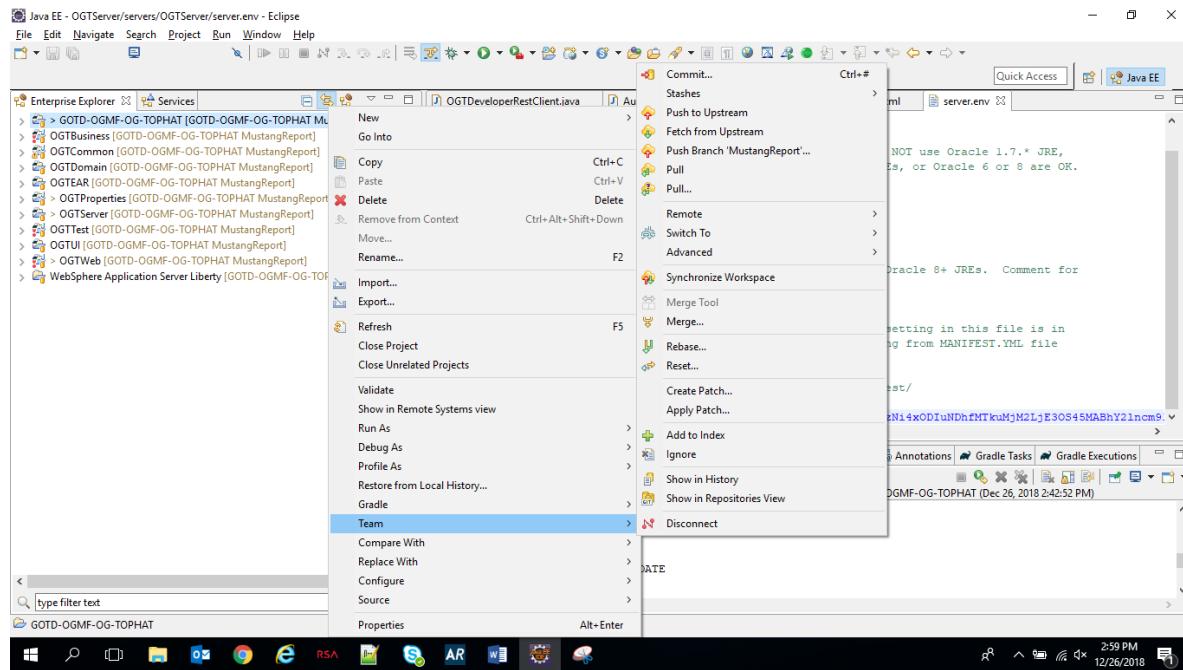
17. How to take code updates in Eclipse

In Eclipse right click on GOTD-OGMF_OG_TOPHAT and Click on Team option.

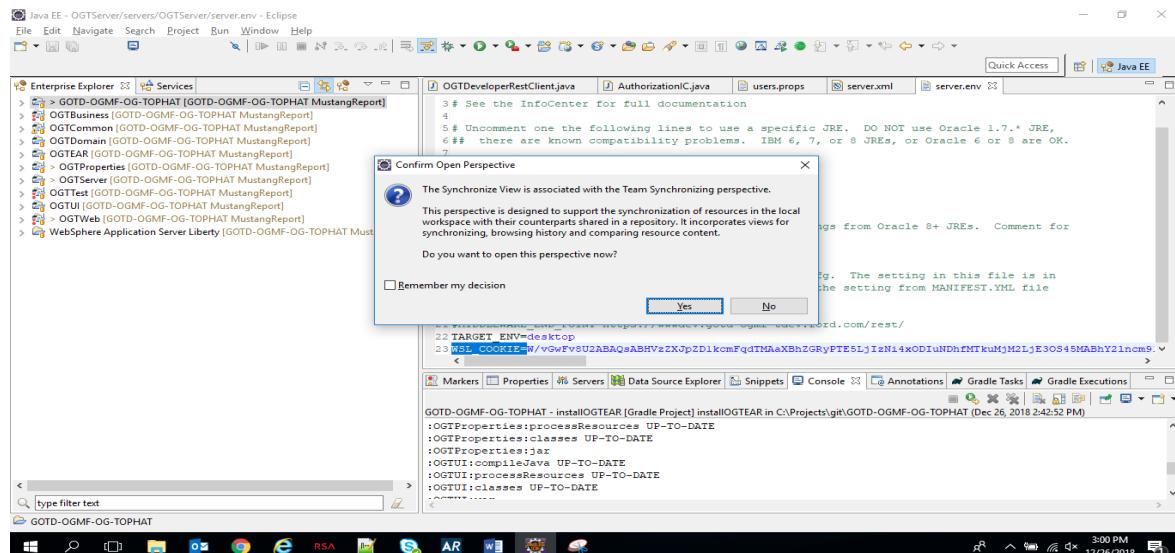


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Team-> Synchronize workspace->



Originator: ASING188

US746874: OGT setup

Page 50 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Yes.

The screenshot shows the Eclipse IDE interface with the 'Team Synchronizing' perspective selected. The top menu bar includes 'File', 'Edit', 'Navigate', 'Search', 'Project', 'Run', 'Window', and 'Help'. The left sidebar displays 'Task Repositories' with sections for 'Tasks' (Local) and 'Bugs' (Eclipse.org). The main central area shows a code editor with Java files like 'OGTDeveloperRestClient.java', 'AuthorizationC.java', 'users.props', 'server.xml', and 'server.env'. Below the code editor is a 'History' view with tabs for 'Tasks' and 'Problems'. The status bar at the bottom indicates the date as 12/26/2018 and the time as 3:00 PM.

Click on Incoming icon.

This screenshot is identical to the one above, showing the Eclipse IDE interface with the 'Team Synchronizing' perspective. The main difference is that the 'Incoming Mode' icon in the 'Synchronizing' view is highlighted, indicating it is the active mode. The rest of the interface, including the code editor, history view, and status bar, remains the same.

Originator: ASING188

US746874: OGT setup

Page 51 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

It will show list of incoming files. Before taking update verify conflicts. Click on conflicts icon.

```
1# WebSphere Application Server Liberty
2# This file contains environment variables that are set on the process prior to start
3# See the InfoCenter for full documentation
4
5# Uncomment one the following lines to use a specific JRE. DO NOT use Oracle 1.7.* J
6## there are known compatibility problems. IBM 6, 7, or 8 JREs, or Oracle 6 or 8 ar
7
8#JAVA_HOME=c:/ibm/was80/java/jre
9#JAVA_HOME=/opt/ibm/java/jre
10#JAVA_HOME=C:\ford\jdk\oracle\jdk1.8.0_121
11#JAVA_HOME=C:\ford\jdk\ibm\ibm-jdk8u121-b13
12
13# Skip max permSize parameter; uncomment to fix warnings from Oracle 8+ JREs. Commen
14# lower JREs.
15WLP_SKIP_MAXPERMSIZE=true
16
17# Bootstrap dynaprop. This takes place of dynaprop.cfg. The setting in this file is
18# effect only for local (desktop), it's preempted by the setting from MANIFEST.XML fi
19# in deployed Cloud Foundry.
20MIDDLEWARE_END_POINT=http://localhost/rest/
21#MIDDLEWARE_END_POINT=https://wwwdev.gotd-ogmf-tdev.ford.com/rest/
22TARGET_ENV=desktop
23NSL_COOKIE=WvGwFy8U2ABAQsABHVzZXJpZD1kcmFqdTMaXBhZGRyPTE5LjIzNi4xODIuNDhfMTkuMyM2Lj
```

Task Repositories

- Tasks
- Local
- Bugs
- Eclipse.org

History Tasks Problems

```
1# WebSphere Application Server Liberty
2# This file contains environment variables that are set on the process prior to start
3# See the InfoCenter for full documentation
4
5# Uncomment one the following lines to use a specific JRE. DO NOT use Oracle 1.7.* J
6## there are known compatibility problems. IBM 6, 7, or 8 JREs, or Oracle 6 or 8 ar
7
8#JAVA_HOME=c:/ibm/was80/java/jre
9#JAVA_HOME=/opt/ibm/java/jre
10#JAVA_HOME=C:\ford\jdk\oracle\jdk1.8.0_121
11#JAVA_HOME=C:\ford\jdk\ibm\ibm-jdk8u121-b13
12
13# Skip max permSize parameter; uncomment to fix warnings from Oracle 8+ JREs. Commen
14# lower JREs.
15WLP_SKIP_MAXPERMSIZE=true
16
17# Bootstrap dynaprop. This takes place of dynaprop.cfg. The setting in this file is
18# effect only for local (desktop), it's preempted by the setting from MANIFEST.XML fi
19# in deployed Cloud Foundry.
20MIDDLEWARE_END_POINT=http://localhost/rest/
21#MIDDLEWARE_END_POINT=https://wwwdev.gotd-ogmf-tdev.ford.com/rest/
22TARGET_ENV=desktop
23NSL_COOKIE=WvGwFy8U2ABAQsABHVzZXJpZD1kcmFqdTMaXBhZGRyPTE5LjIzNi4xODIuNDhfMTkuMyM2Lj
```

Task Repositories

- Tasks
- Local
- Bugs
- Eclipse.org

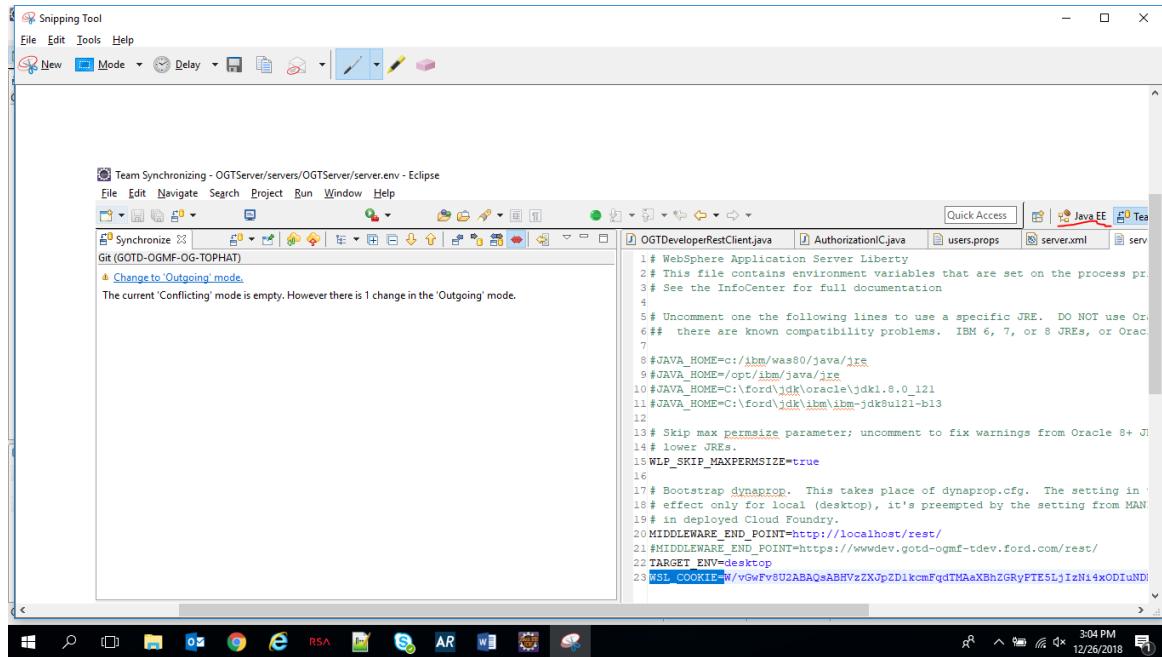
History Tasks Problems



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

No conflicts. So fine you can take updated code in your local.
Open JAVA EE (in Red color, right top corner)



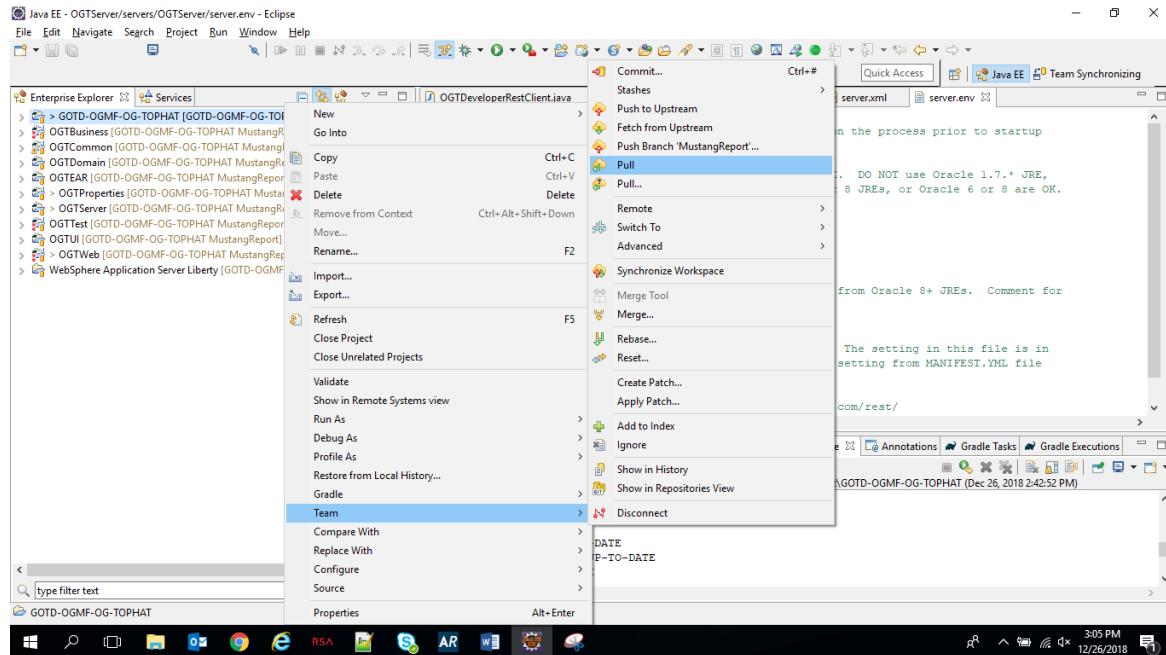
The screenshot shows the Eclipse IDE interface. The title bar reads "Team Synchronizing - OGTServer/servers/OGTServer/server.env - Eclipse". The toolbar has various icons for file operations like New, Mode, Delay, and others. The menu bar includes File, Edit, Tools, Help, and a Git menu. The perspective switcher at the top right shows "Java EE" highlighted in red. The central workspace displays a file named "server.env" with the following content:

```
1# WebSphere Application Server Liberty
2# This file contains environment variables that are set on the process pr
3# See the InfoCenter for full documentation
4
5# Uncomment one the following lines to use a specific JRE. DO NOT use Or
6## there are known compatibility problems. IBM 6, 7, or 8 JREs, or Orac
7
8#JAVA_HOME=c:/ibm/was80/java/jre
9#JAVA_HOME=/opt/ibm/java/jre
10#JAVA_HOME=C:\ford\jdk\oracle\jdk1.8.0_121
11#JAVA_HOME=C:\ford\jdk\ibm-jdk8u121-b13
12
13# Skip max permSize parameter; uncomment to fix warnings from Oracle 8+ JI
14# lower JREs.
15WLP_SKIP_MAXPERMSIZE=true
16
17# Bootstrap dynaprop. This takes place of dynaprop.cfg. The setting in '
18# effect only for local (desktop), it's preempted by the setting from MAN
19# in deployed Cloud Foundry.
20MIDDLEWARE_END_POINT=http://localhost/rest/
21#MIDDLEWARE_END_POINT=https://wwwdev.gotd-ogmf-tdev.ford.com/rest/
22TARGET_ENV=desktop
23WSL COOKIE=vGwFv8U2ABAQsABHVzZXJpZD1kcmFqdIMRaXBhZGRyFTE5LjIzNi4xODIuNDI
```



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Click on first Pull option. It will pull all the updated code.

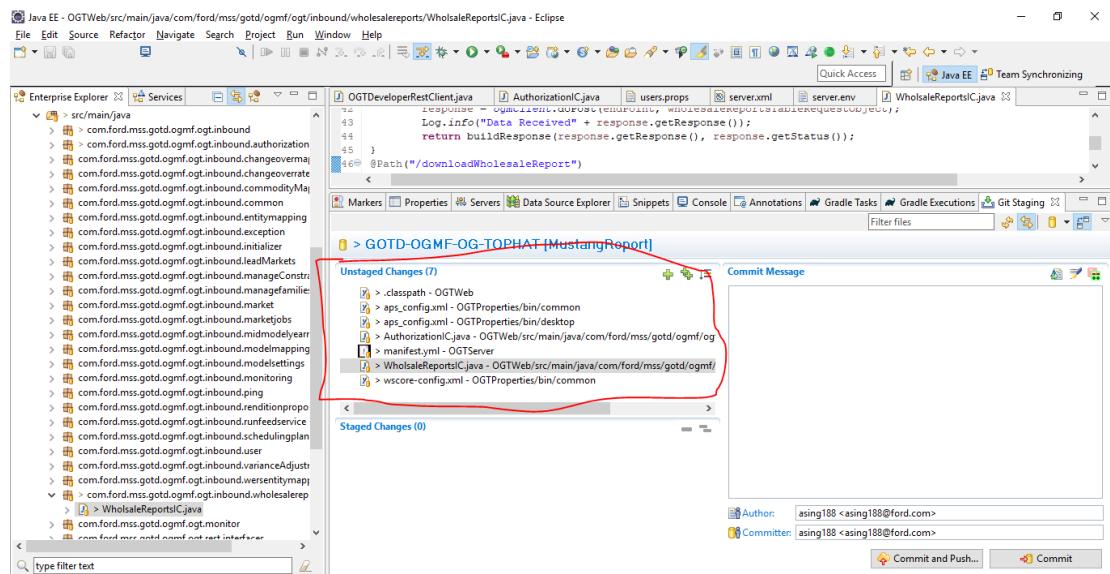
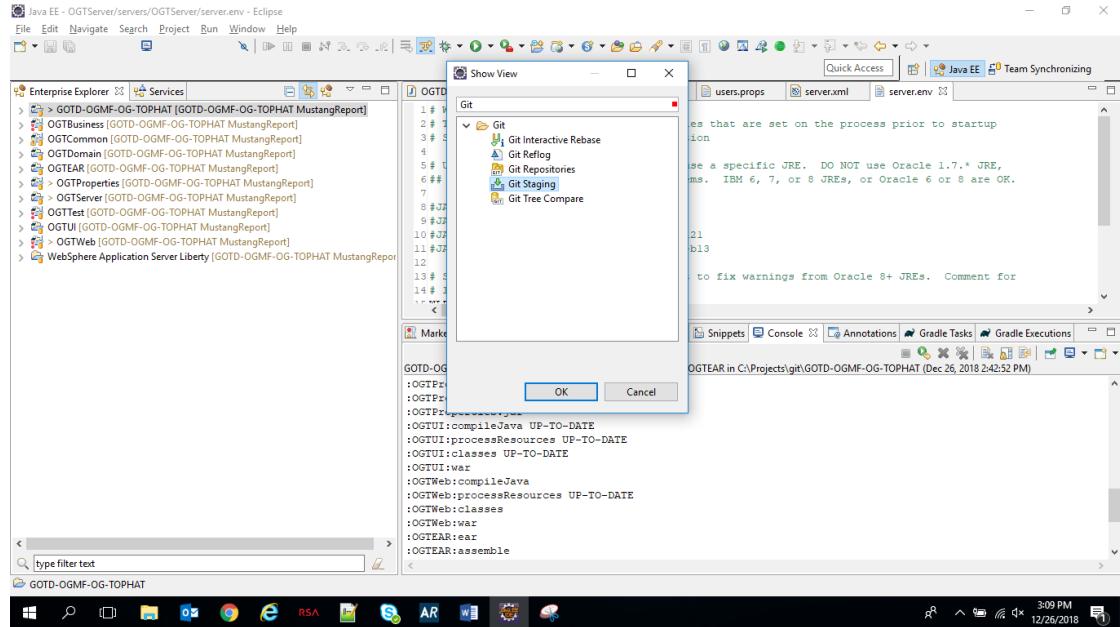
18. How to promote changes in Eclipse

To promote your local changes to GitHub, Open Git Stage tab. If you not seeing Git staging tab add it from Windows-> show view-> others-> Git Staging-> Ok.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



List of modified files is displayed. Which file you want to promote drag and drop that file to Staged change box.

Originator: ASING188

US746874: OGT setup

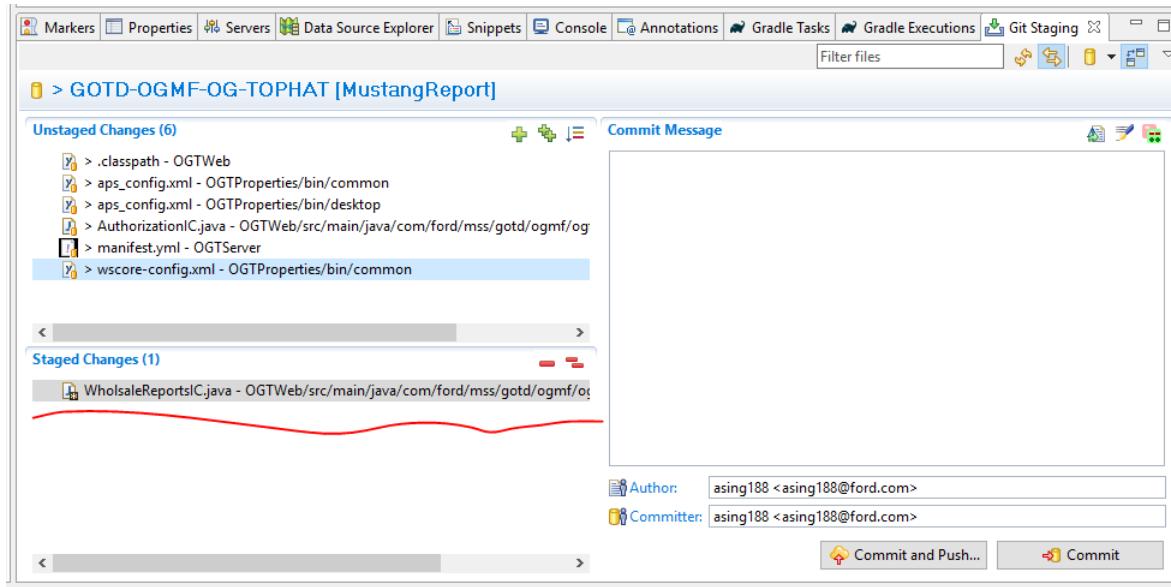
Page 55 of 97

Date Issued: 27/12/2018

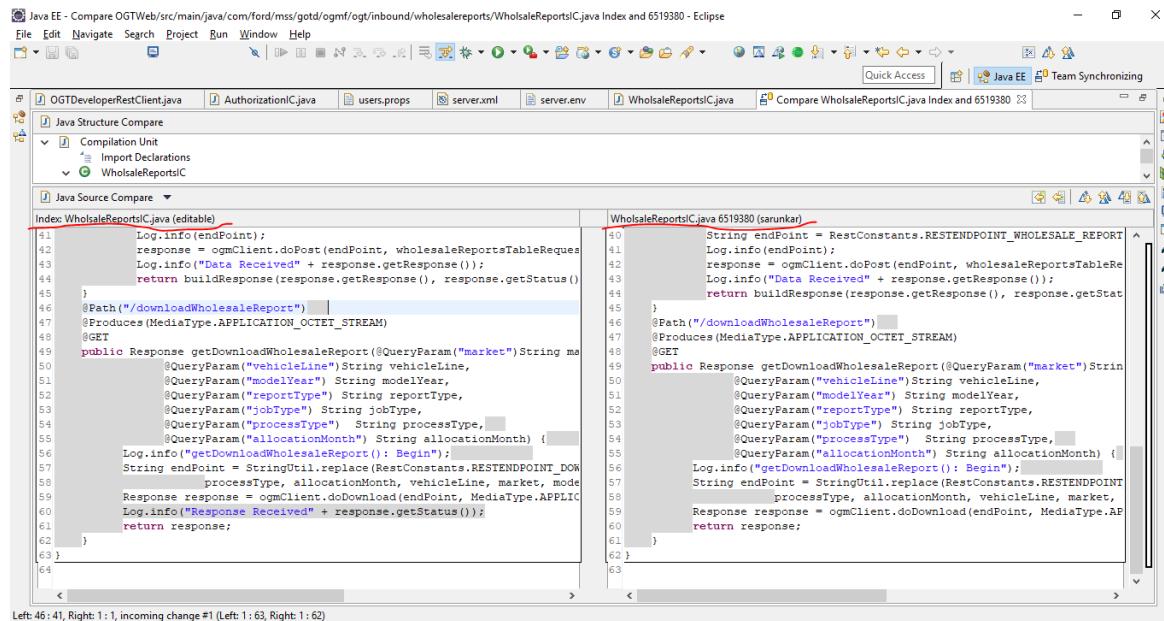


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Before promoting the file if you want to compare the life just double click on that file.



Originator: ASING188

US746874: OGT setup

Page 56 of 97

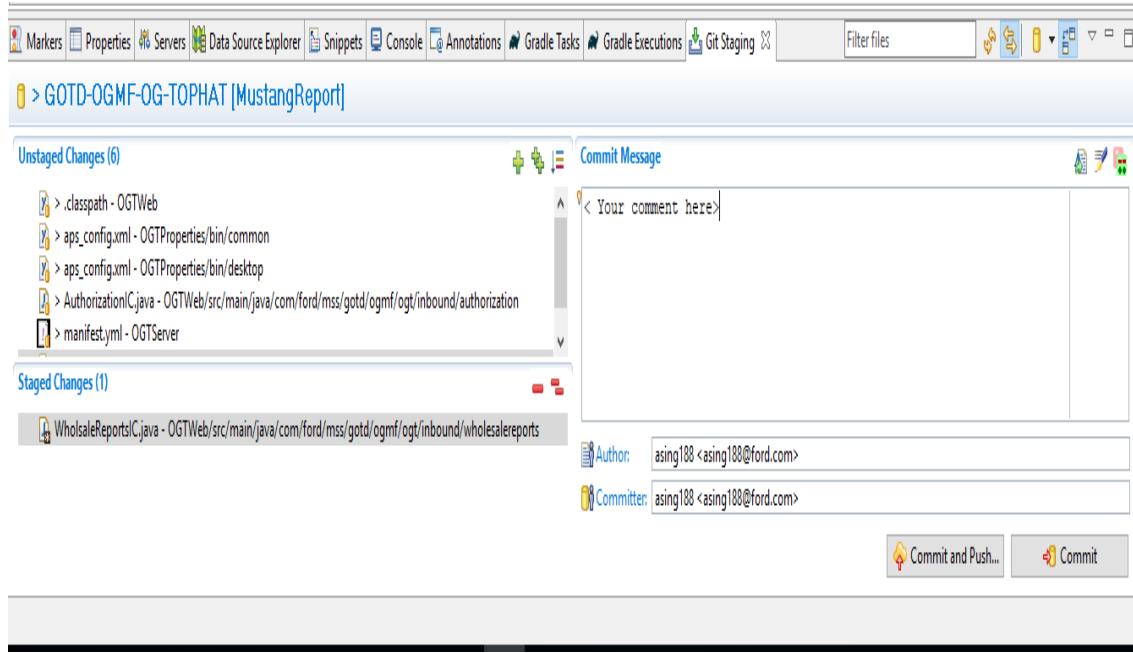
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Left side is your local modified file and right side is GitHub file.



Write your proper comment in “commit Message” text area and click on “commit and push” button.
Done.

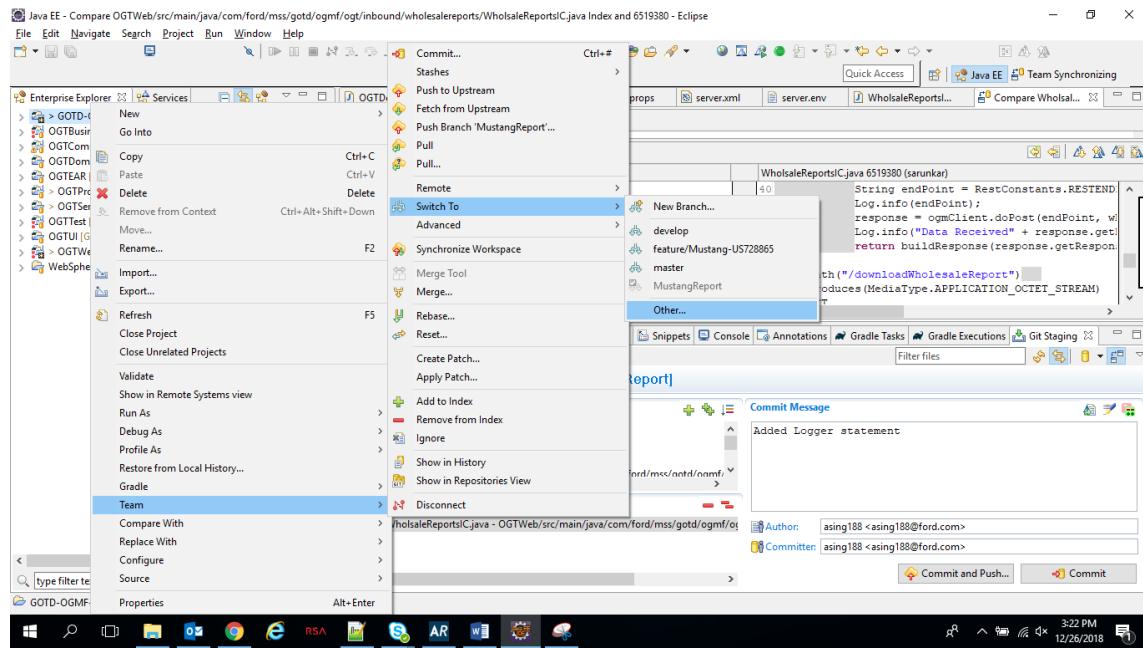
19. How to switch branch in Eclipse

Right click on GOTD-OGMF-OG-TOPHAT project and click Team-> Switch To-> Others



Order Generation And Material Forecasting (OGMF)

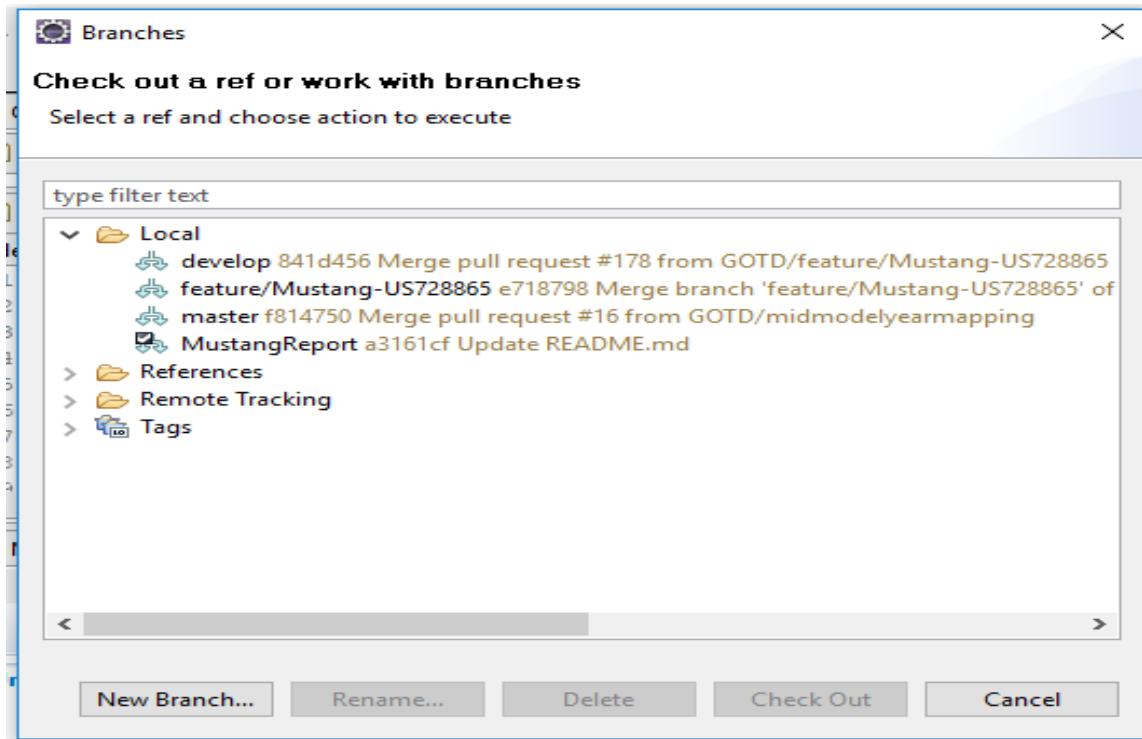
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

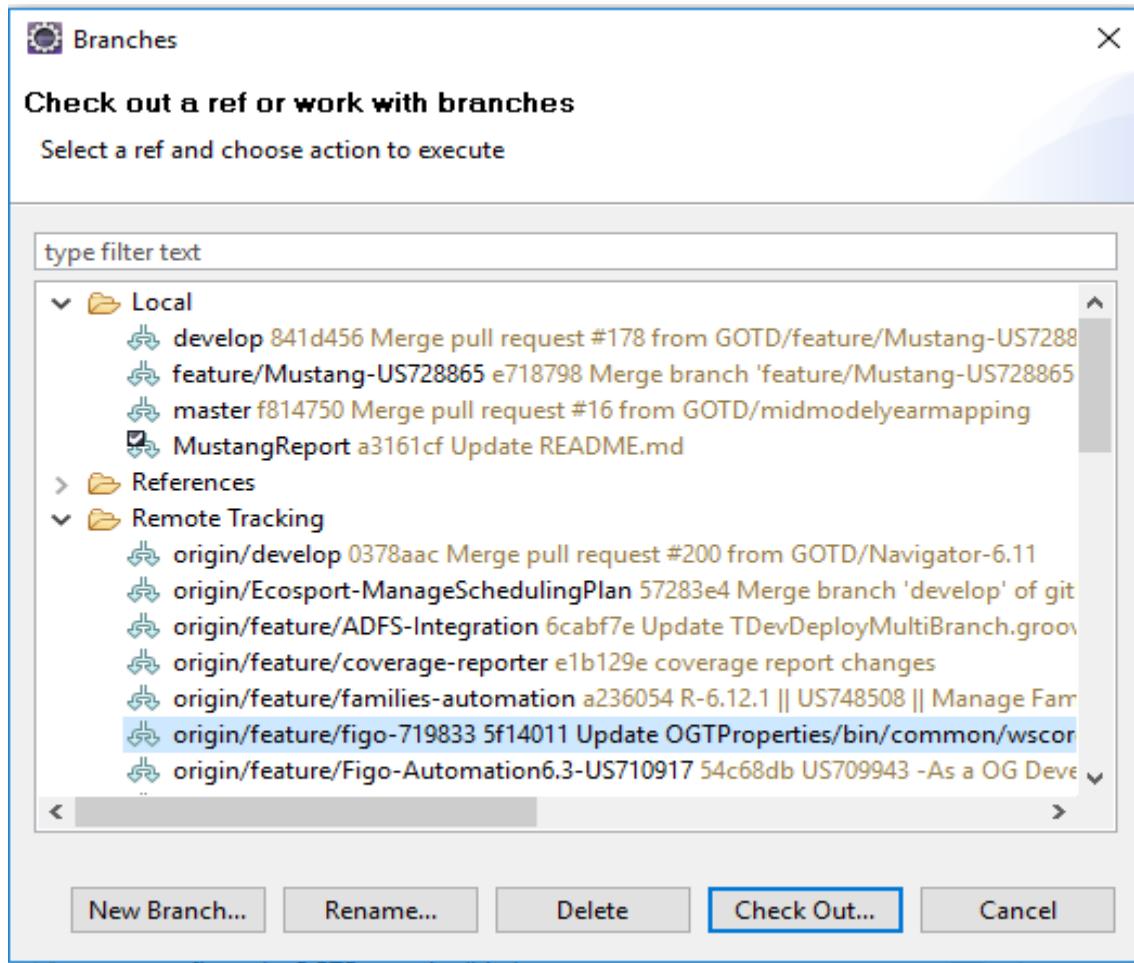


Expand “Remote Tracking” and select the branch you want to switch.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

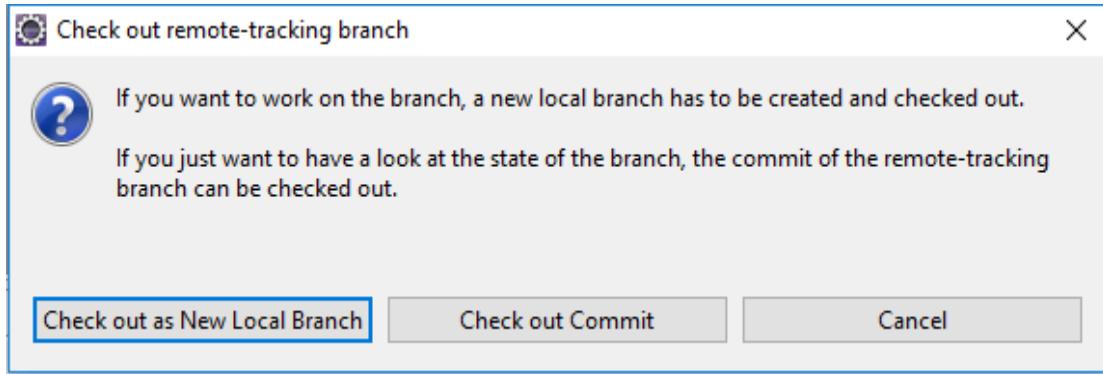


Click on **Check Out...** button.

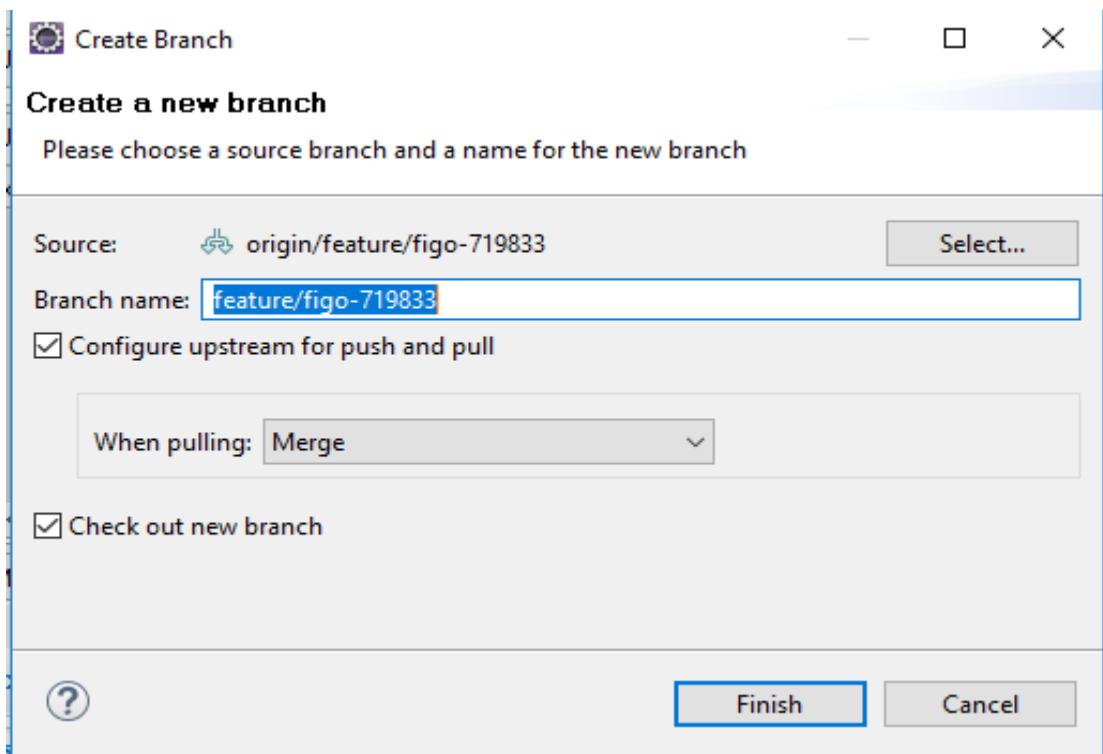


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Click on “Check out as New Local Branch”.

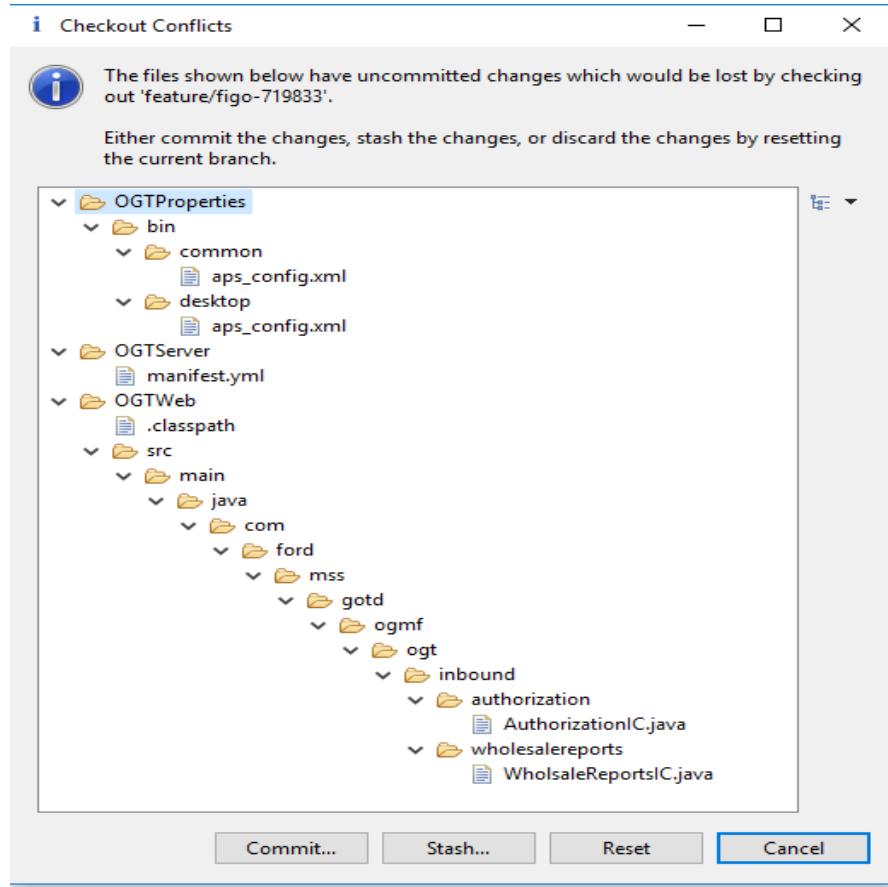


Finish.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

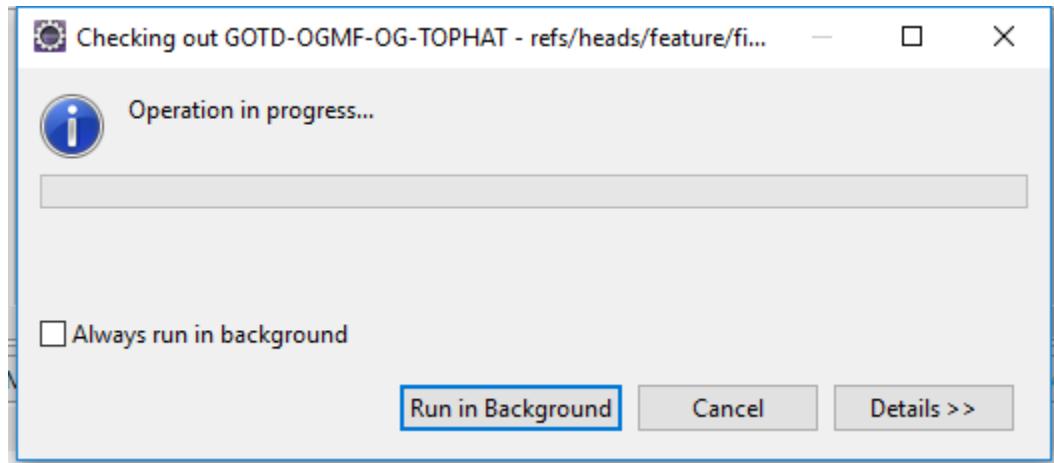


If you see this checkout conflict pop-up click on Reset button. Rest will discard your local changes so if you want your changes keep a back-up of these file and then click on rest button.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

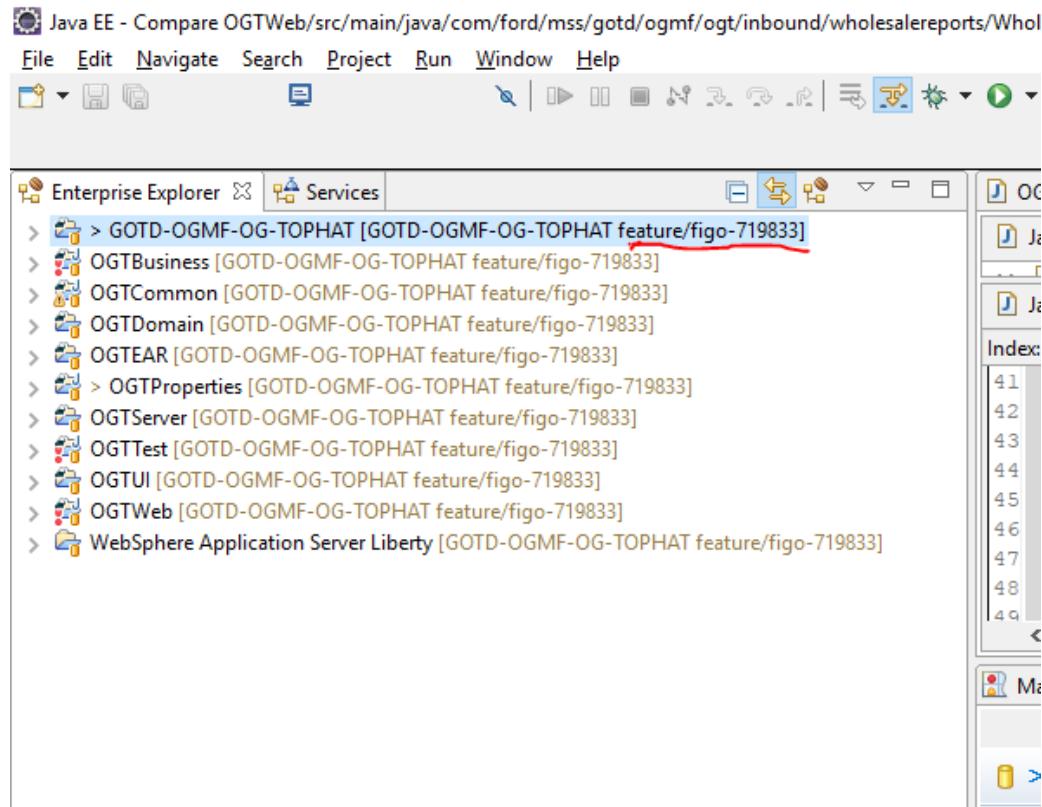


Checking out the branch.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Successfully switched to the selected branch.

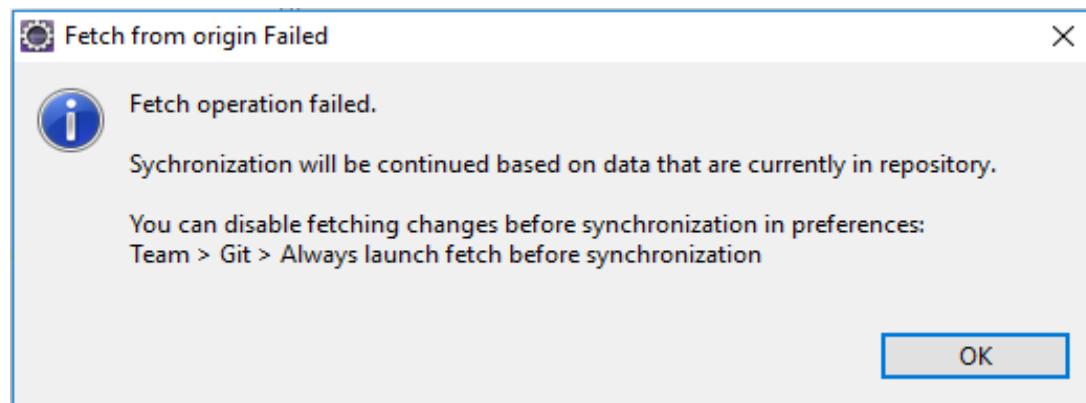
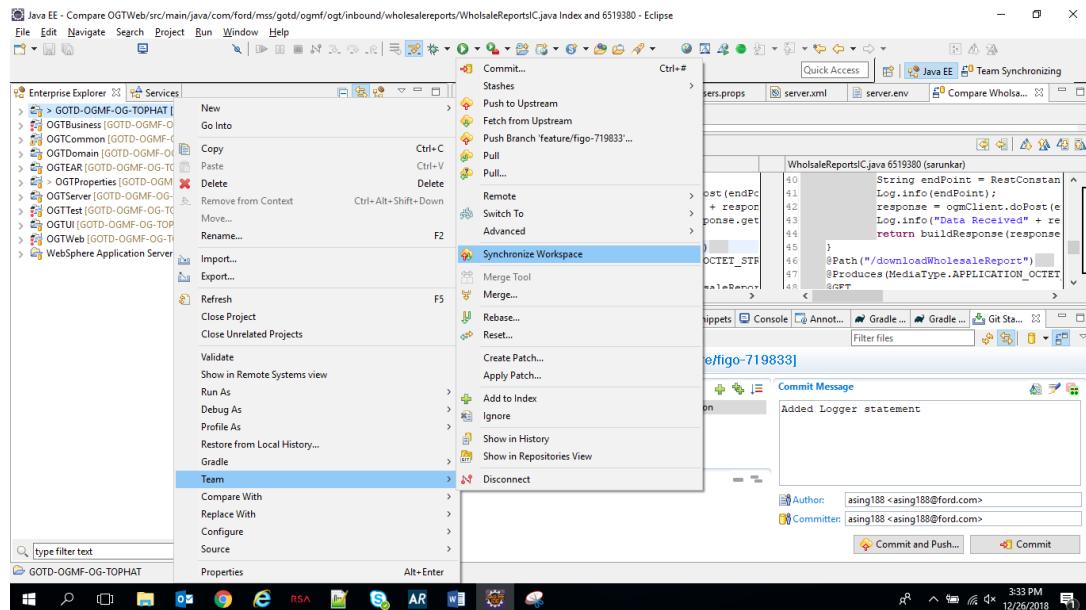
20. How to resolve conflicts in Eclipse

Right click on GOTD-OGMF-OG-TOPHAT project and click Team-> Synchronized workspace



Order Generation And Material Forecasting (OGMF)

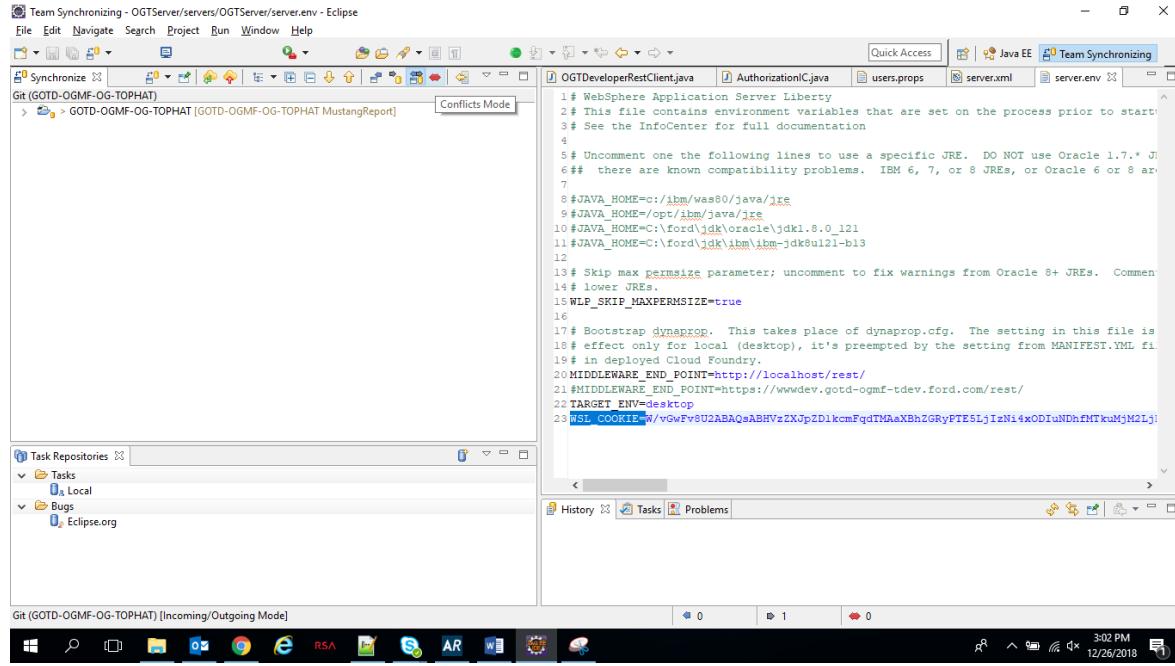
US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Click on **Conflicts Mode** icon. It will show all conflict.

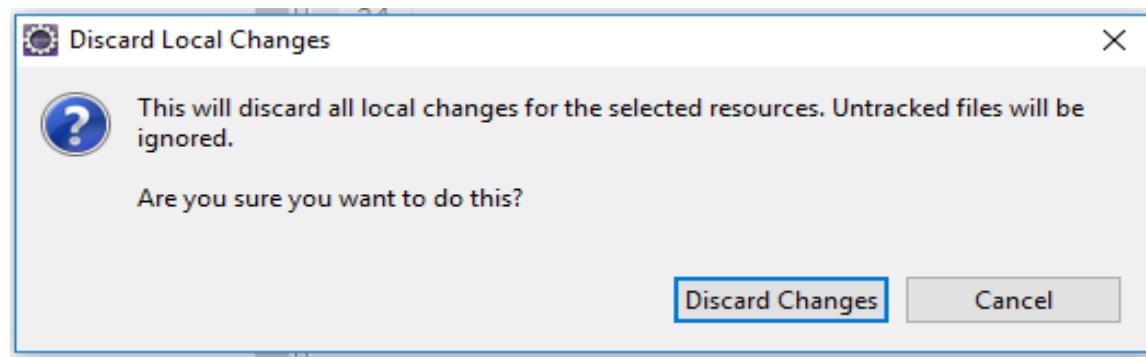
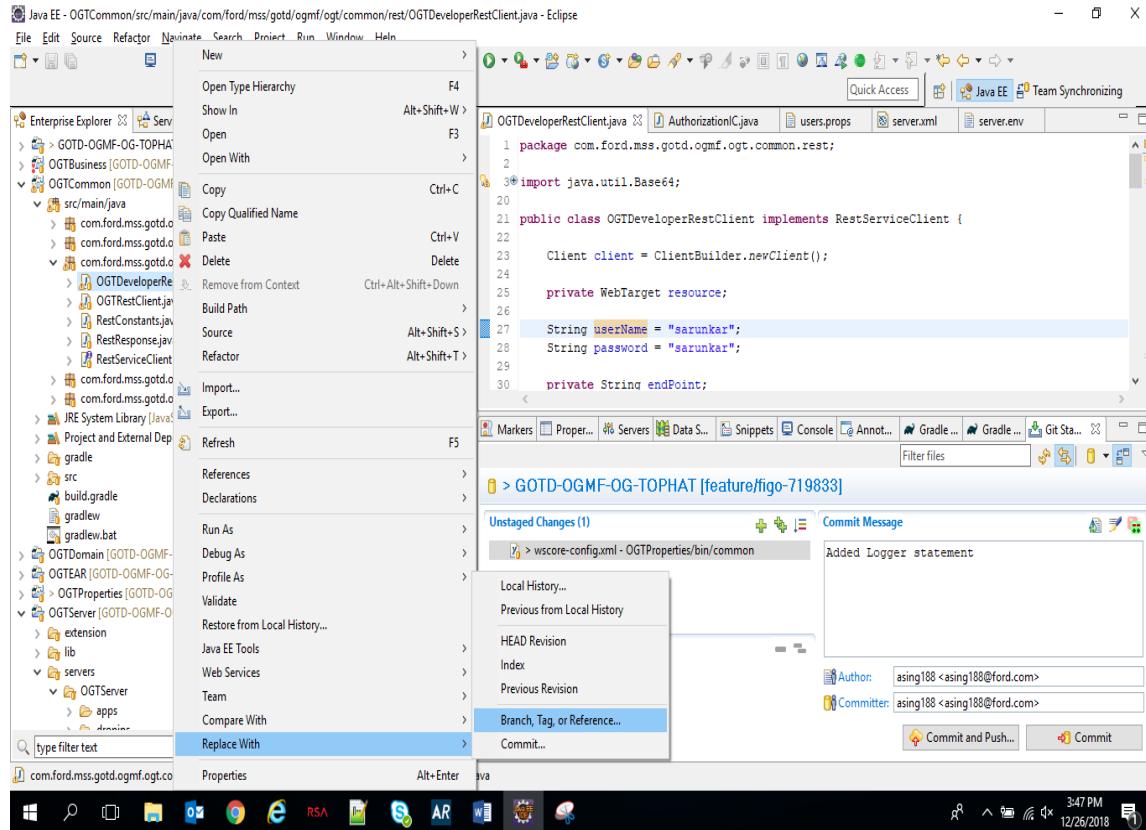
To resolve conflicts keep the backup of the list of files and go back to Enterprise explorer tab by clicking Java EE option (top right corner).

Right click on the file which shows as conflict and select “Replace with” -> Branch Tag OR Reference..”



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Click on Discard Changes.
Same way resolve all the conflicts.

Originator: ASING188
US746874: OGT setup

Page 67 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

21. How to create PULL request

Open GitHub (<https://github.ford.com/GOTD/GOTD-OGMF-OG-TOPHAT>). Select your branch.

The screenshot shows a GitHub repository page for 'GOTD / GOTD-OGMF-OG-TOPHAT'. The 'MustangReport' branch is currently selected in the dropdown menu. The main interface displays 1,096 commits, 23 branches, 4 releases, and 17 contributors. A list of recent commits is shown, including:

- 40550 | DRAJU3 | As an OG testing engineer, I need to start automating the OGTBuild files 7 days ago
- 36204 | NESTHER | As a Forecast Analyst, I need to download CSV files related to Dependency.gradle and build.gradle 16 days ago
- 36204 | NESTHER | As a Forecast Analyst, I need to download CSV files related to Dependency.gradle and build.gradle 5 days ago
- 36204 | NESTHER | As a Forecast Analyst, I need to download CSV files related to Dependency.gradle and build.gradle 2 months ago
- 36204 | NESTHER | As a Forecast Analyst, I need to download CSV files related to Dependency.gradle and build.gradle 19 days ago
- 36204 | NESTHER | As a Forecast Analyst, I need to download CSV files related to Dependency.gradle and build.gradle 7 days ago
- 40550 | DRAJU3 | As an OG testing engineer, I need to start automating the OGTBuild files 7 days ago
- 40550 | DRAJU3 | As an OG testing engineer, I need to start automating the OGTBuild files 7 days ago

Click on New Pull request button.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

No description, website, or topics provided.

Branch: MustangReport ▾ New pull request Create new file Upload files Find file Clone or download ▾

This branch is 8 commits ahead, 36 commits behind develop. Pull request Compare

ASING188 Update README.md Latest commit a3161cf 6 days ago

FunctionalTest	first commit	4 months ago
OGTBuild	added OGTBuild files	4 months ago
OGTBusiness	US736204 NESTHER As a Forecast Analyst, I need to download CSV fi...	16 days ago
OGTCommon	US736204 NESTHER As a Forecast Analyst, I need to download CSV fi...	15 days ago
OGTDomain	Revert "Ecosport manage scheduling plan"	2 months ago
OGTEAR	Changes related to Dependency.gradle and build.gradle	19 days ago
OGTProperties	Merge pull request #184 from GOTD/Navigator-6.11	9 days ago
OGTSetup	Revert "Ecosport manage scheduling plan"	12 days ago

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.

base: develop ▾ compare: MustangReport ▾ Able to merge. These branches can be automatically merged.

Mustang report

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported Create pull request

Reviewers: NESTHER Request
At least 1 approving review is required to merge this pull request.

Suggestions: None yet

Assignees: None yet

Labels: None yet

Projects: None yet

Milestone: None yet

8 commits 1 file changed 0 commit comments 1 contributor



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Click on create Pull request button. Your pull request will be created. Once it is done you need to add a Reviewer.

The screenshot shows a GitHub pull request review interface. At the top, there's a red circle with a white 'X' icon and the text "Review required". Below it, a green circle with a checkmark icon and the text "All checks have passed" followed by "3 successful checks". At the bottom, there's a red circle with a white 'X' icon and the text "Merging is blocked" followed by "Merging can be performed automatically with 1 approving review." A "Merge pull request" button is at the bottom left, and a note at the bottom right says "You can also open this in GitHub Desktop or view command line instructions."

Click on Review and add your squad Lead as a review.

22. How to use Source Tree

1. Install sourcetree

To install sourcetree refer the attachment



FW FRF Changes - Git work Flow - SourceTree.msg

2. Configure sourcetree

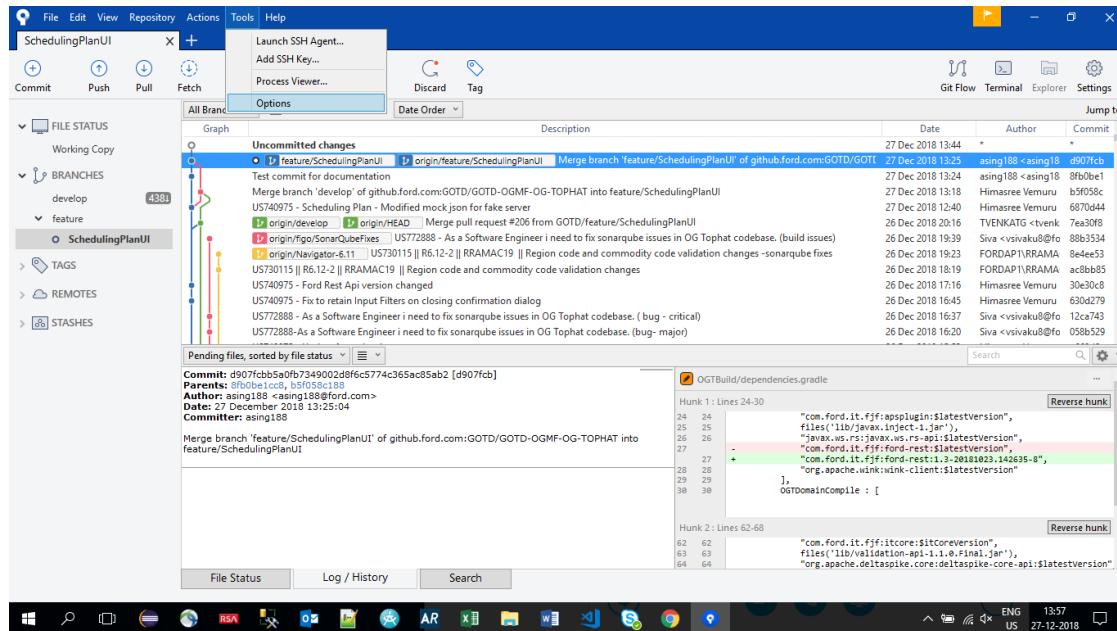
Once you install source tree, need to do GitHub authentication Navigate to Tools in menu bar.

Click on option.

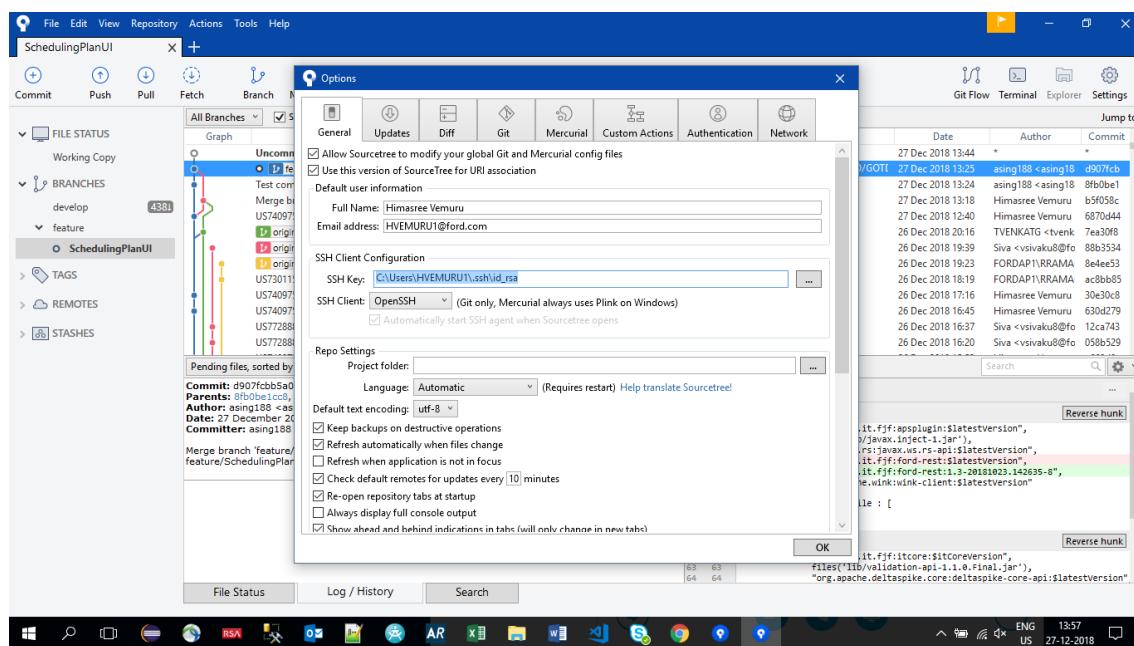


Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Browse the SSH key path which you generated using putty. (Refer point 3. Generate SSH key)



Originator: ASING188

US746874: OGT setup

Page 71 of 97

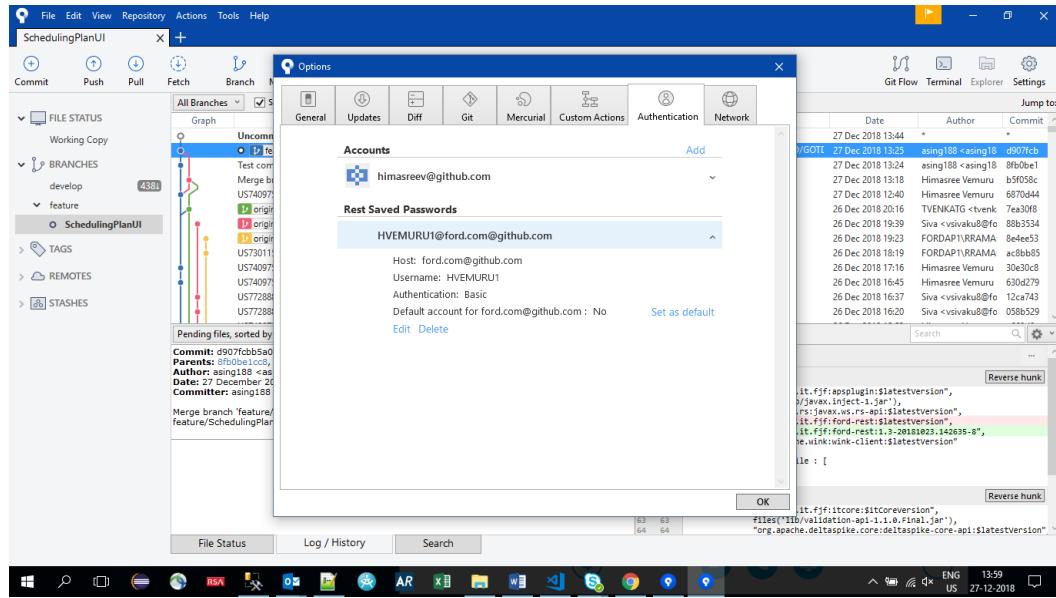
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Once you entered correct path it will automatically authenticate with GitHub.



3. Clone or checkout the code using sorcetree

Click on clone menu.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Clone

Cloning is even easier if you set up a [remote account](#)

Source Path / URL: [Browse](#)

Repository Type: [No path / URL supplied](#)

Destination Path: [Browse](#)

Name:

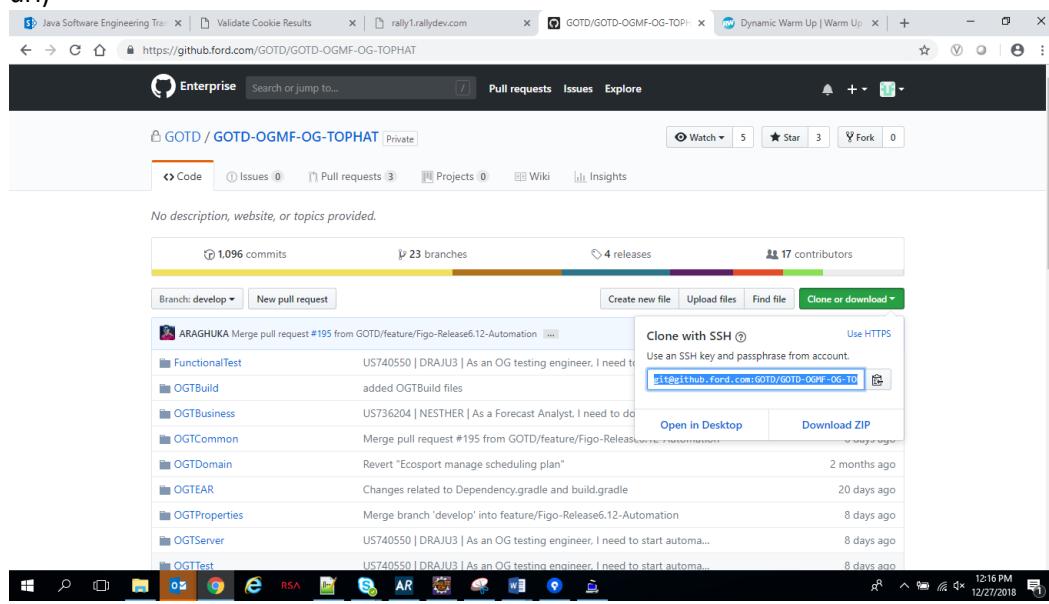
Local Folder:

Advanced Options

[Clone](#)



Open GitHub and copy the SSH url (Click on copy or download button and copy Clone with SSH url)





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Clone

Cloning is even easier if you set up a [remote account](#)

git@github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT.git

Repository Type: ❖ This is a Git repository

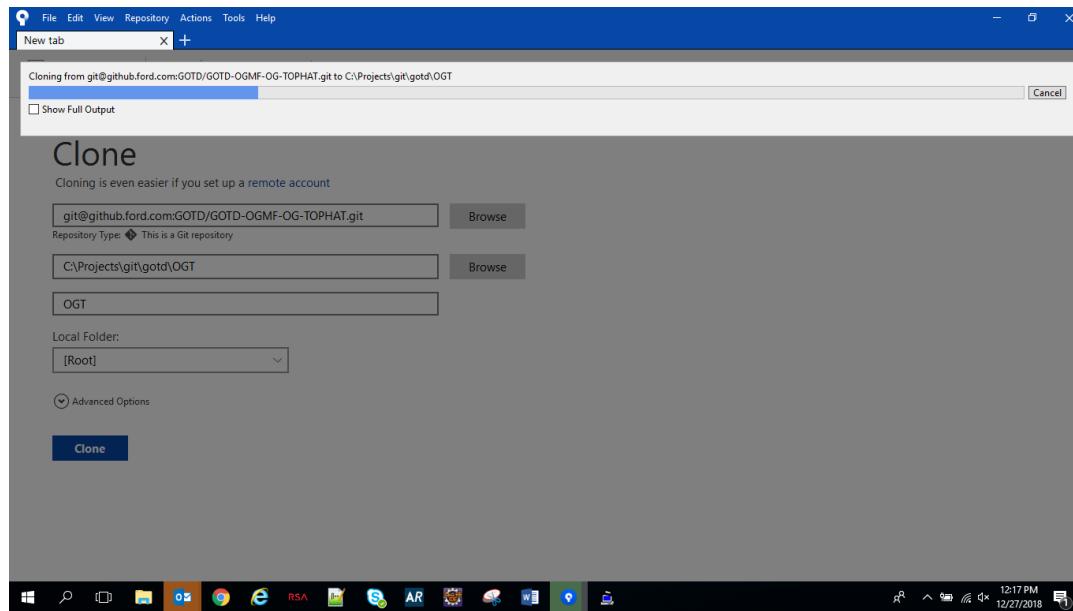
C:\Projects\git\gotd\OGT

OGT

Local Folder:

[Root]

Advanced Options





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Cloning from git@github.com:GOTD/GOTD-OGMF-OG-TOPHAT.git to C:\Projects\git\gotd\OGT

Show Full Output

```
Cloning out files: 83% (2845/3427)
Cloning out files: 83% (2872/3427)
Cloning out files: 84% (2879/3427)
Cloning out files: 85% (2907/3427)
Cloning out files: 85% (2912/3427)
Cloning out files: 86% (2948/3427)
Cloning out files: 86% (2952/3427)
Cloning out files: 86% (2958/3427)
Cloning out files: 86% (2967/3427)
Cloning out files: 86% (2972/3427)
Cloning out files: 87% (2982/3427)
Cloning out files: 88% (3016/3427)
Cloning out files: 89% (3051/3427)
Cloning out files: 90% (3085/3427)
Cloning out files: 90% (3099/3427)
Cloning out files: 91% (3133/3427)
Cloning out files: 91% (3139/3427)
Cloning out files: 92% (3152/3427)
Cloning out files: 93% (3188/3427)
Cloning out files: 93% (3209/3427)
Cloning out files: 94% (3222/3427)
Cloning out files: 95% (3256/3427)
Cloning out files: 95% (3261/3427)
Cloning out files: 96% (3280/3427)
Cloning out files: 97% (3325/3427)
Cloning out files: 98% (3359/3427)
Cloning out files: 98% (3386/3427)
Cloning out files: 99% (3393/3427)

Cloning out files: 99% (3405/3427)
Cloning out files: 99% (3415/3427)
Cloning out files: 100% (3427/3427)
Cloning out files: 100% (3427/3427), done.
Completed successfully.
```

Close

OGT

File Edit View Repository Actions Tools Help

Commit Push Pull Fetch Branch Merge Stash Discard Tag

All Branches Show Remote Branches Date Order

FILE STATUS

Working Copy

BRANCHES

- master
- tags
- remotes
- origin
 - develop
 - Ecosport-ManageSchedulingPlan
- HEAD
- master
- MustangReport
- Navigator-6.11
- OGTCoverage
- OGTestCases
- feature
- figo
- release
- revert-88-Ecosport-ManageSchedulingPlan
- STASHES

Pending files, sorted by file status

Commit: 7ea30f61b481a43726149533b52167a405c35fb [7ea30f8]
Parents: 302e5dd1d75, 30e30c8473
Author: TVENKATG <tvenkatg@ford.com>
Date: Wednesday, December 26, 2018 8:16:47 PM
Committer: GitHub Enterprise

Merge pull request #206 from GOTD/feature/SchedulingPlanUI

Feature/scheduling plan ui

OGBuild/dependencies.gradle

OGBusiness/settings/org.eclipse.buildship.core.prefs

OGTBuild/dependencies.gradle

Hunk 1: Lines 24-30

```
"com.ford.it.jff:apsplugin:$latestVersion",
files('lib/javax.inject-1.jar'),
"com.ford.it.jff:itcore:$latestVersion",
"com.ford.it.jff:itrest:$latestVersion",
"com.ford.it.jff:itrest1.3-20181023.142635-8",
"org.apache.wink:wink-client:$latestVersion"
},
```

Hunk 2: Lines 62-68

```
"com.ford.it.jff:itcore:$latestVersion",
files('lib/validation-api-1.1.0.Final.jar'),
"org.apache.deltaSPIKE.core:deltaSPIKE-core:$latestVersion",
```

Git Flow Terminal Explorer Settings

Jump to:

Cancel

File Status Log / History Search

12:18 PM 12/27/2018

12:20 PM 12/27/2018



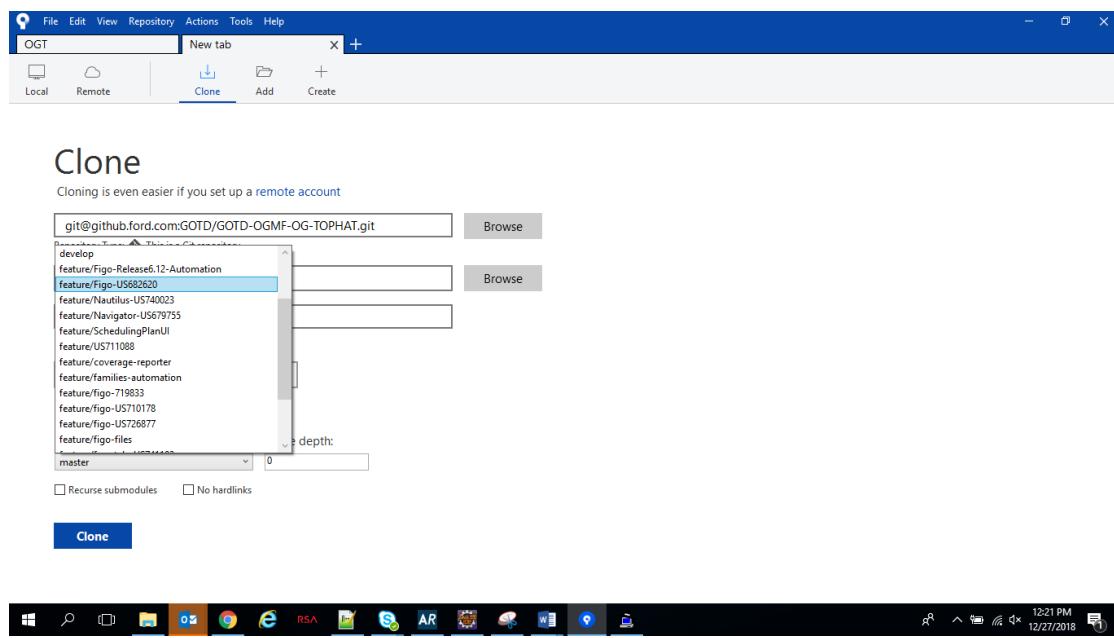
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Pulled the code successfully but while cloning the code no specific branch is selected so it cloned master branch.

4. Code checkout from specific branch

Click on Clone and enter the required details. Click on Advance tab. It will show the list of available branch.

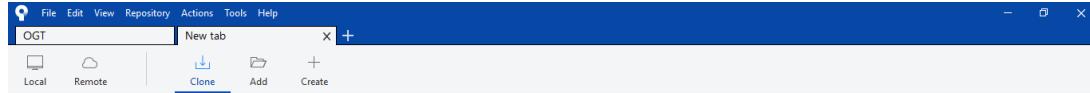


Which branch you want select that and click on **Clone** button.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Clone

Cloning is even easier if you set up a remote account

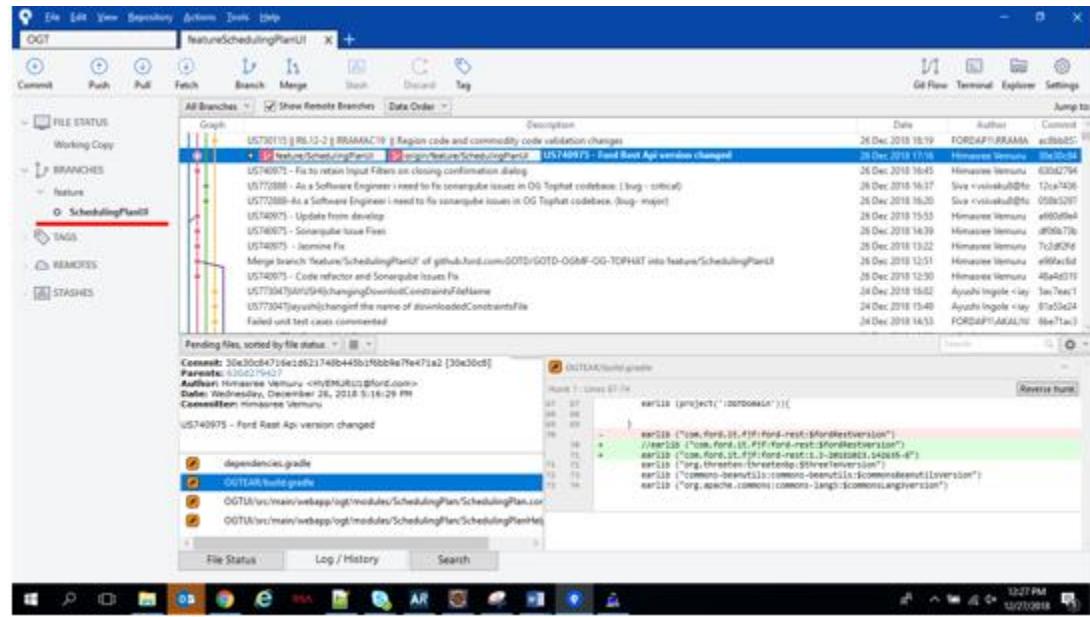
git@github.ford.com:GOTD/GOTD-OGMFG-OG-TOPHAT.git Repository Type: This is a Git repository

C:\Projects\git\gtd\featureSchedulingPlanUI Local Folder: [Root]

Advanced Options

Checkout branch: Clone depth:

Recurse submodules No hardlinks



Left side (highlighted in red), specified branch code pulled out successfully.

Originator: ASING188

US746874: OGT setup

Page 77 of 97

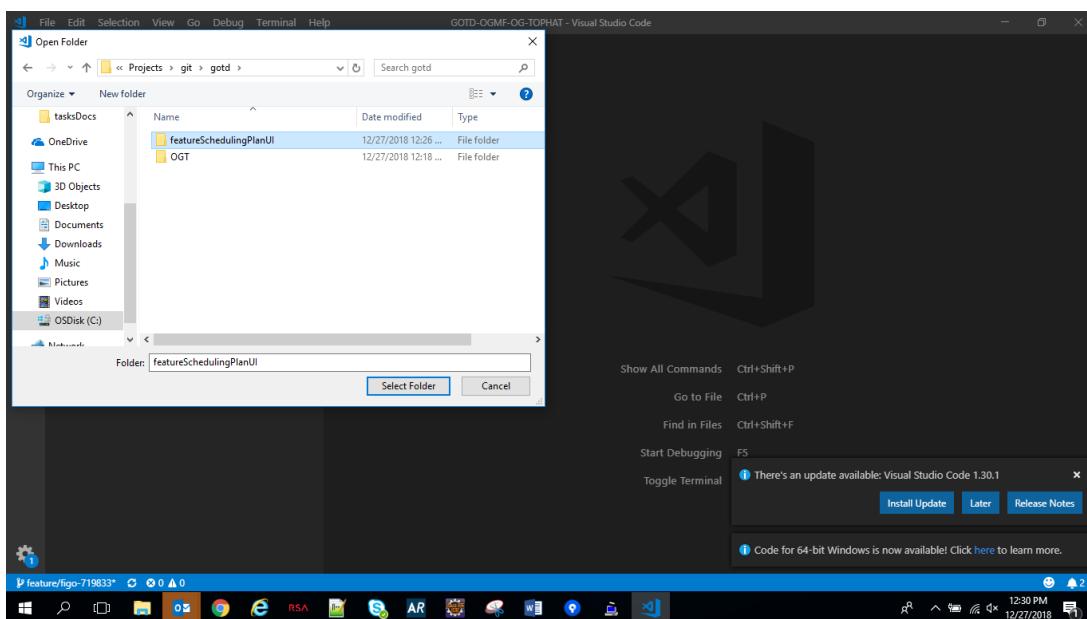
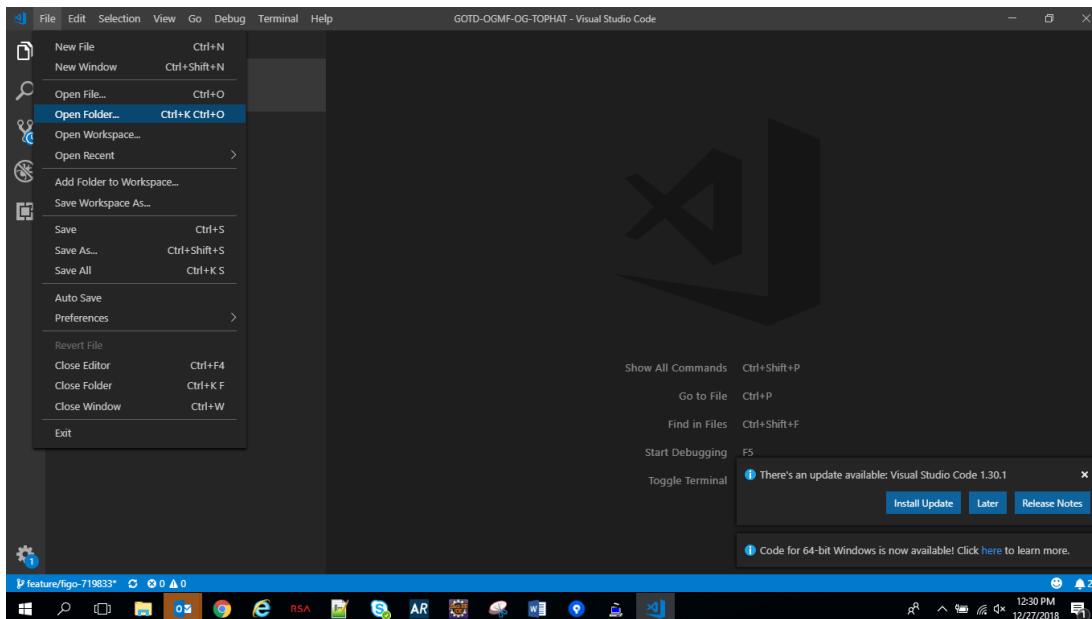
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

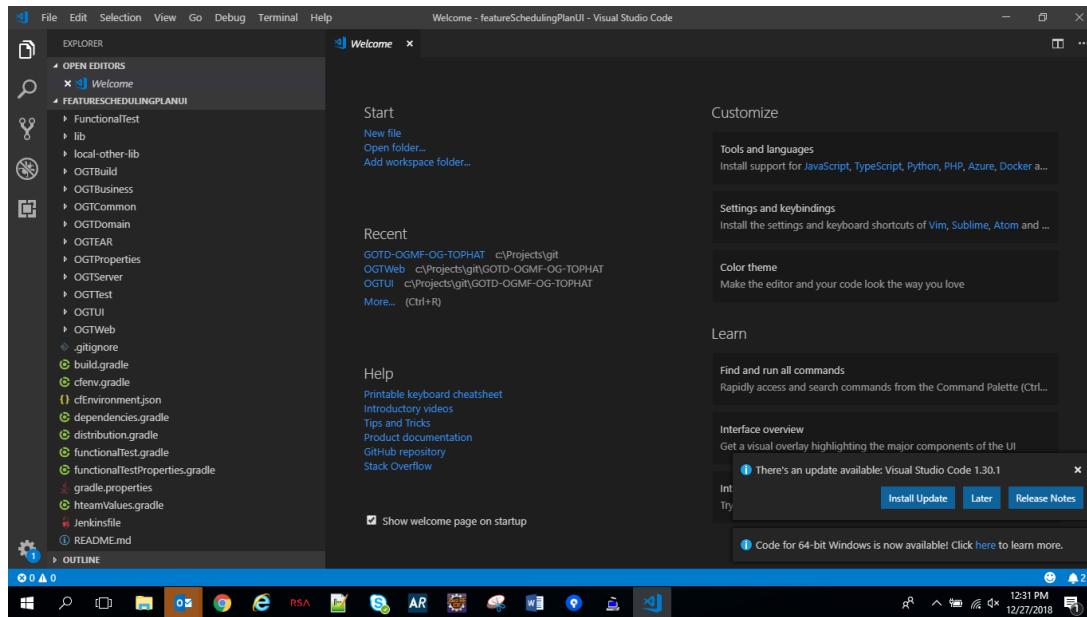
5. Import code in Visual Studio





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

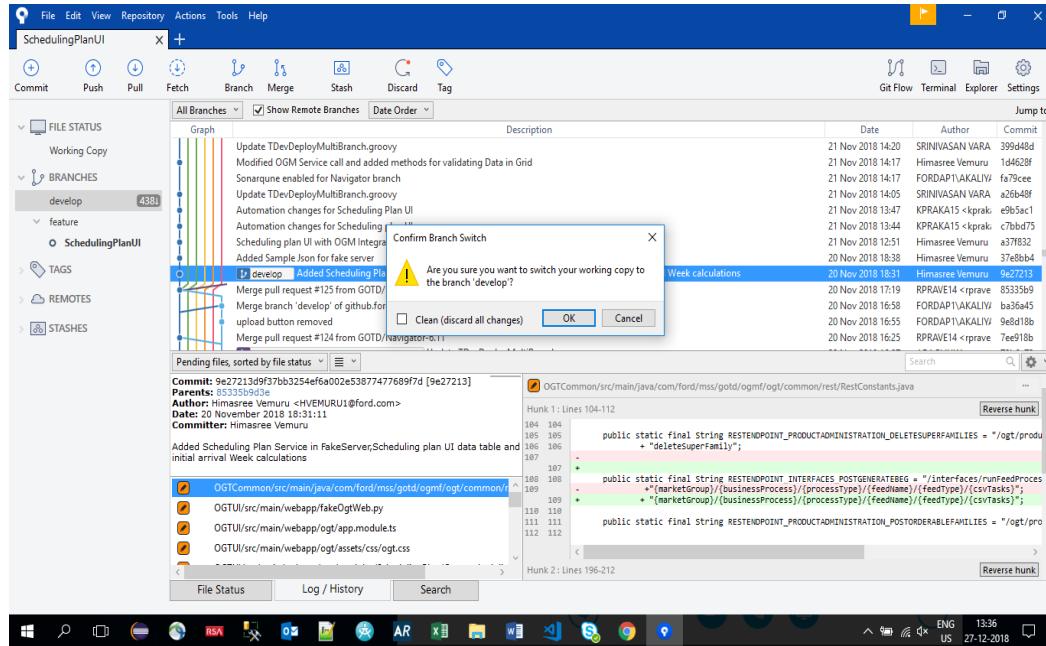


6. Switch branch



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



7. Promote changes

Before push your changes make sure you have pulled the updated code from that feature branch.

Click on File status.

List of modified files will be shown and select the file which you want to promote.
Click on stage selected.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the GitHub Desktop application interface. The left sidebar displays repository navigation with 'SchedulingPlanUI' selected. The main area shows a pull request titled 'OG-Tophat Setup' with 433 changes. The 'Pending files' section lists several files, and the 'Unstaged files' section shows a file named 'OGTUI/src/main/webapp/ogt/modules/SchedulingPlan/CreateSchedulingPlanHelper.ts'. A diff view for this file highlights a specific hunk of code related to date validation. The bottom right corner of the window shows the system tray with the date and time.

Now add your comment and click on commit button. Make sure you should add the user story number in your comment.



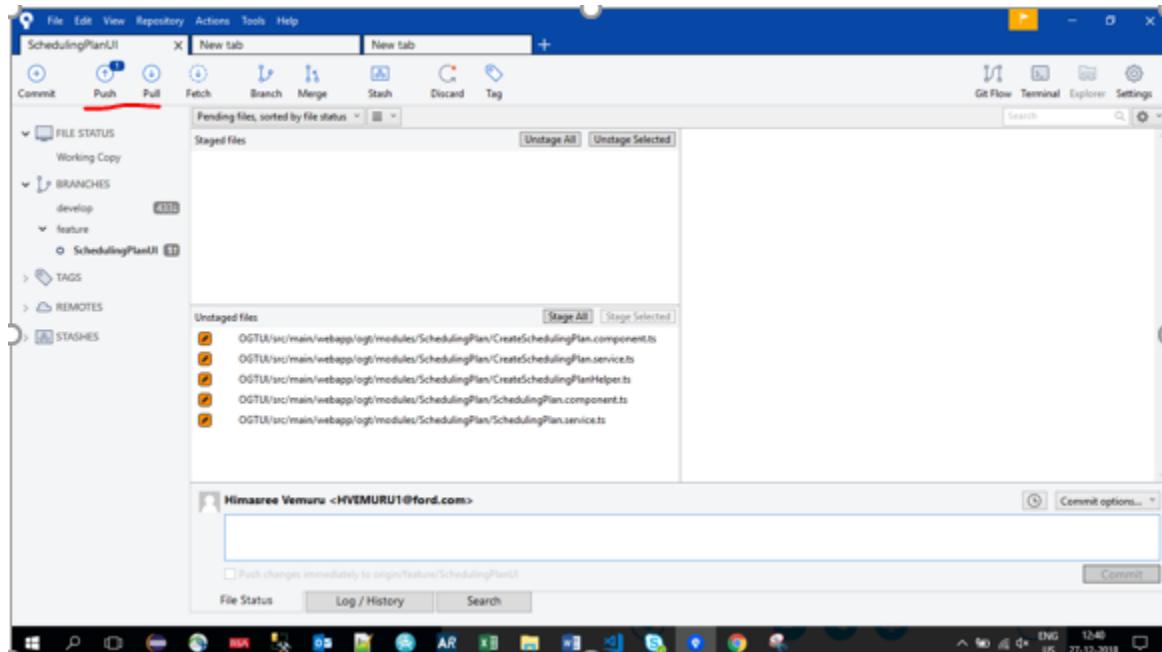
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows a Git interface with the following details:

- File Status:** Pending files, sorted by file status.
- Staged files:** OGUI/src/main/webapp/ogt/modules/SchedulingPlan/CreateSchedulingPlanHelper.ts
- Unstaged files:** OGUI/src/main/webapp/json/SchedulingPlanData.json, OGUI/src/main/webapp/ogt/modules/SchedulingPlan/CreateSchedulingPlan.component.ts, OGUI/src/main/webapp/ogt/modules/SchedulingPlan/CreateSchedulingPlan.service.ts, OGUI/src/main/webapp/ogt/modules/SchedulingPlan/SchedulingPlan.component.ts, OGUI/src/main/webapp/ogt/modules/SchedulingPlan/SchedulingPlan.service.ts
- Commit Message:** US740975 - Scheduling Plan - Added validation for Postcommitment date
- Commit Options:** Commit

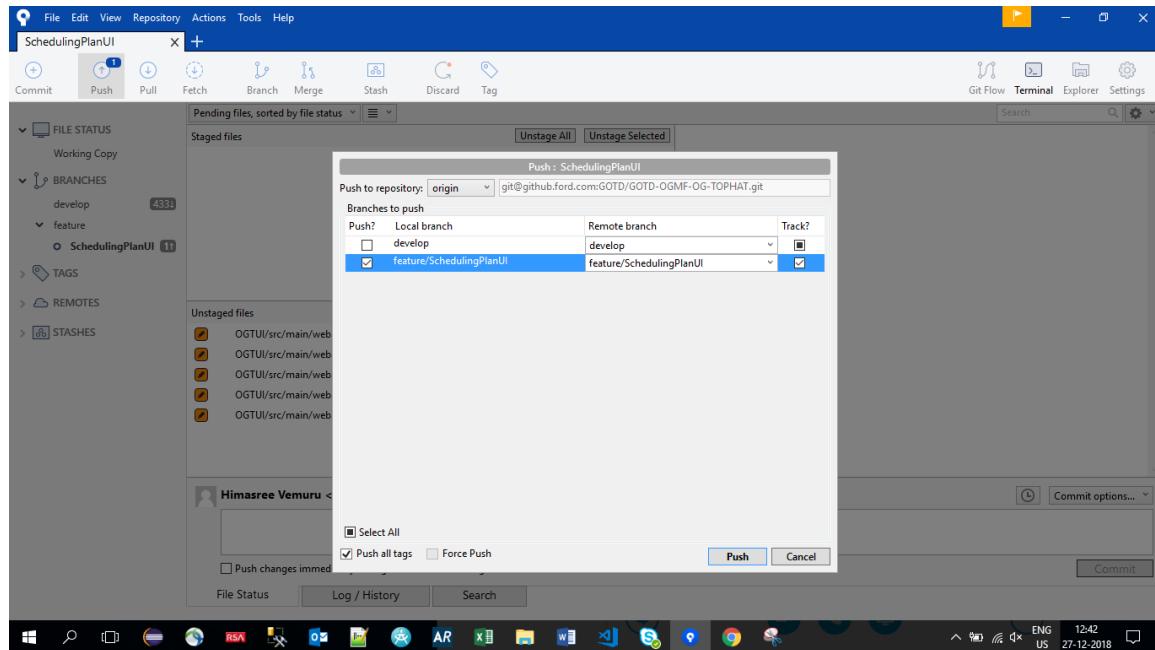
Click on PUSH menu.





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

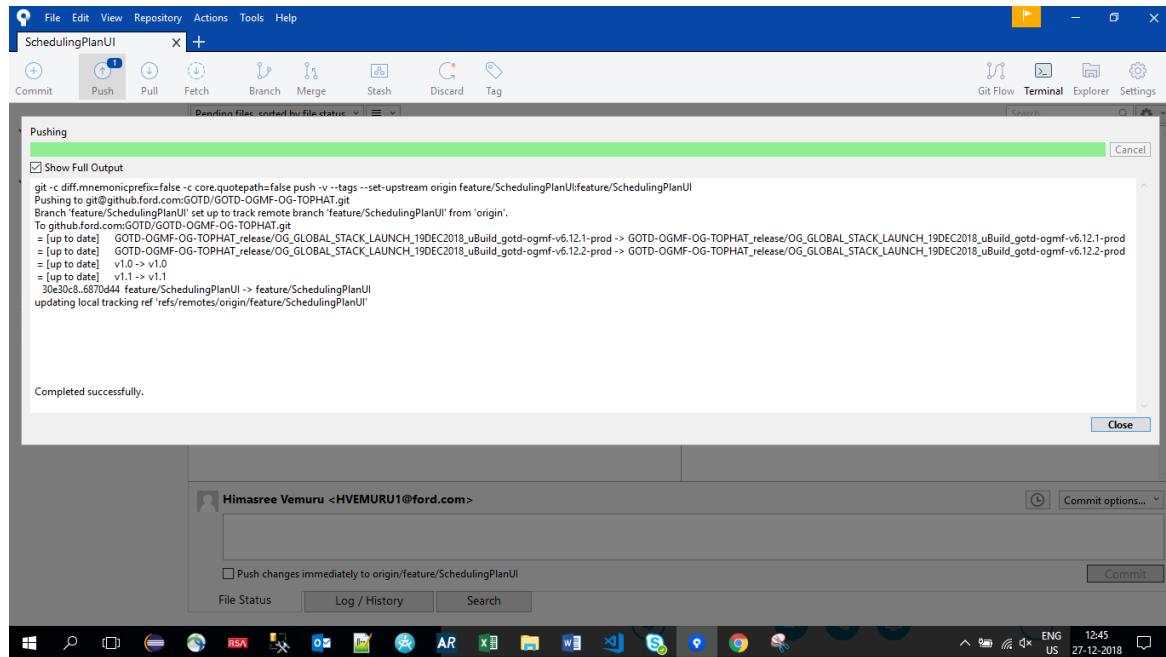


Select the branch where you want to promote your changes and select Track option also.
Click on Push.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



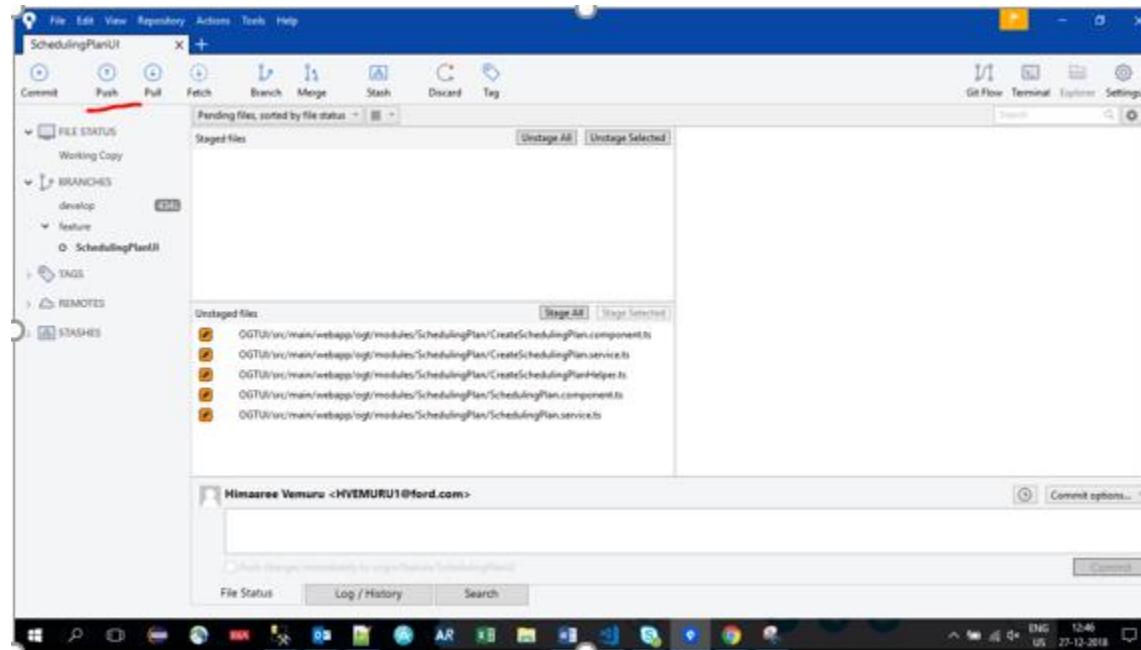
Once it is pushed successfully you can see the success message and also the Pushing status will be in Green color.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

After successful push the changes, the push menu will not show the indicator.



Open GitHub and you can verify that your changes are there or not.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

No description, website, or topics provided.

1.154 commits 23 branches 4 releases 17 contributors

Branch: feature/Sched... | New pull request | Create new file | Upload files | Find file | Clone or download

This branch is 1 commit ahead, 1 commit behind develop. | Pull request | Compare

HVMURU1 US740975 - Scheduling Plan - Modified mock json for fake server | Latest commit 6870d44 24 minutes ago

FunctionalTest US740550 | DRAJU3 | As an OG testing engineer, I need to start automa... | 8 days ago

OGTBuild US740975 - Changed Ford rest api version | 7 days ago

OGTBusiness Fixed issues related to save | 11 days ago

OGTCommon US740975 - Update from develop | 21 hours ago

OGTDomain Revert "Ecosport manage scheduling plan" | 2 months ago

OGTEAR US740975 - Ford Rest Api version changed | 20 hours ago

OGTProperties US740975 - Update from develop | 21 hours ago

OGTSource | Close issue related to main | 11 days ago

Changes are pushed to GitHub.

8. Commit history

Select your feature branch and click on Log/History tab

SchedulingPlanUI X | +

Commit Push Pull Fetch Branch Merge Stash Discard Tag

All Branches | Show Remote Branches | Date Order | Jump to:

FILE STATUS | BRANCHES | TAGS | REMOTES | STASHES

Uncommitted changes

o origin/feature/SchedulingPlanUI Merge branch 'feature/SchedulingPlanUI' of github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT into feature/SchedulingPlanUI

Test commit for documentation

Merge 'develop' of github.ford.com:GOTD/GOTD-OGMF-OG-TOPHAT into feature/SchedulingPlanUI

US740975 - Scheduling Plan - Modified mock json for fake server

o origin/develop | origin/HEAD | Merge pull request #206 from GOTD/feature/SchedulingPlanUI

o origin/fgp/SonarQubeFixes US772888 - As a Software Engineer i need to fix sonarqube issues in OG Tophat codebase. (build issues)

o origin/Navigator-6.11 US730115 || R6.12-2 || RRAMAC19 || Region code and commodity code validation changes -sonarqube fixes

US740975 - Ford Rest Api version changed

US740975 - Fix to retain Input Filters on closing confirmation dialog

US722888 - As a Software Engineer i need to fix sonarqube issues in OG Tophat codebase. (bug - critical)

US722888- As a Software Engineer i need to fix sonarqube issues in OG Tophat codebase. (bug - major)

Pending files, sorted by file status

Commit: 8fb0be1cc0d74818009c3cc083bf4dbaf68d390 [8fb0be1]

Parents: 6870d44c00

Author: asing188 <asing18@ford.com>

Date: 27 December 2018 13:24:09

Committer: asing188

Test commit for documentation

OGTUI/src/main/webapp/ogt/modules/SchedulingPlan/CreateaschedulingPlan.component.html

OGTUI/src/main/webapp/ogt/modules/SchedulingPlan/SchedulingPlan.component.html

File Status | Log / History | Search

Originator: ASING188
US746874: OGT setup

Page 86 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the GitHub desktop application interface. The top navigation bar includes File, Edit, View, Repository, Actions, Tools, Help, and a tab for 'featureSchedulingPlanUI'. Below the navigation is a toolbar with Commit, Push, Pull, Fetch, Branch, Merge, Stash, Discard, and Tag buttons. A 'Get Flow' button is also present.

The left sidebar displays the repository structure: FILE STATUS (Working Copy), BRANCHES (desktop, feature, SchedulingPlanUI), TAGS, REMOTES, and STASHES. The main area shows a list of commits under 'All Branches' for the 'feature' branch. The commit list includes:

- Uncommitted changes:
 - feature/SchedulingPlan - Merge branch Feature/SchedulingPlan of github.com/GOTD-GDMF-OG-TORHAF into feature/SchedulingPlan
 - Test comment for documentation
 - Merge branch 'desktop' of github.com/GOTD-GDMF-OG-TORHAF into feature/SchedulingPlan
- UST40975 - Scheduling Plan - Modified week icon for fail server
- UST30115 - Region code and commodity code validation changes - nonunicode files
- UST30115 - R6.12.2 || R6MAC19 - Region code and commodity code validation changes
- UST40975 - Ford Rest API version change
- UST40975 - Fix to return Input Filters on cloning confirmation dialog
- UST30886 - As a Software Engineer I need to fix someunicode issues in OG Tophat codebase. { bug - critical}
- UST30886 - As a Software Engineer I need to fix someunicode issues in OG Tophat codebase. { bug - major}

Below the commit list, there's a 'Pending files' section showing 'Staged files' and 'Unstaged files'. The unstaged files list contains a single item: 'UST40975 - Merge branch Feature/SchedulingPlan of github.com/GOTD-GDMF-OG-TORHAF into feature/SchedulingPlan'. The bottom of the screen features tabs for 'File Status', 'Log / History' (which is highlighted in red), and 'Search'.

Click on any commit, it will show the list of files committed.

Originator: ASING188
US746874: OGT setup

Page 87 of 97

Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

The screenshot shows the GitHub desktop application interface. The main window displays a list of commits for the repository 'OGT'. The commits are sorted by date, with the most recent at the top. The commit details include the author, date, and a brief description. A detailed view of a specific commit is shown in a modal window, highlighting the file 'OGTU/src/main/webapp/ogt/modules/ManageConstraints.component.ts' and its changes between lines 150-156 and 158-164. The code changes involve adding validation logic for commodity codes.

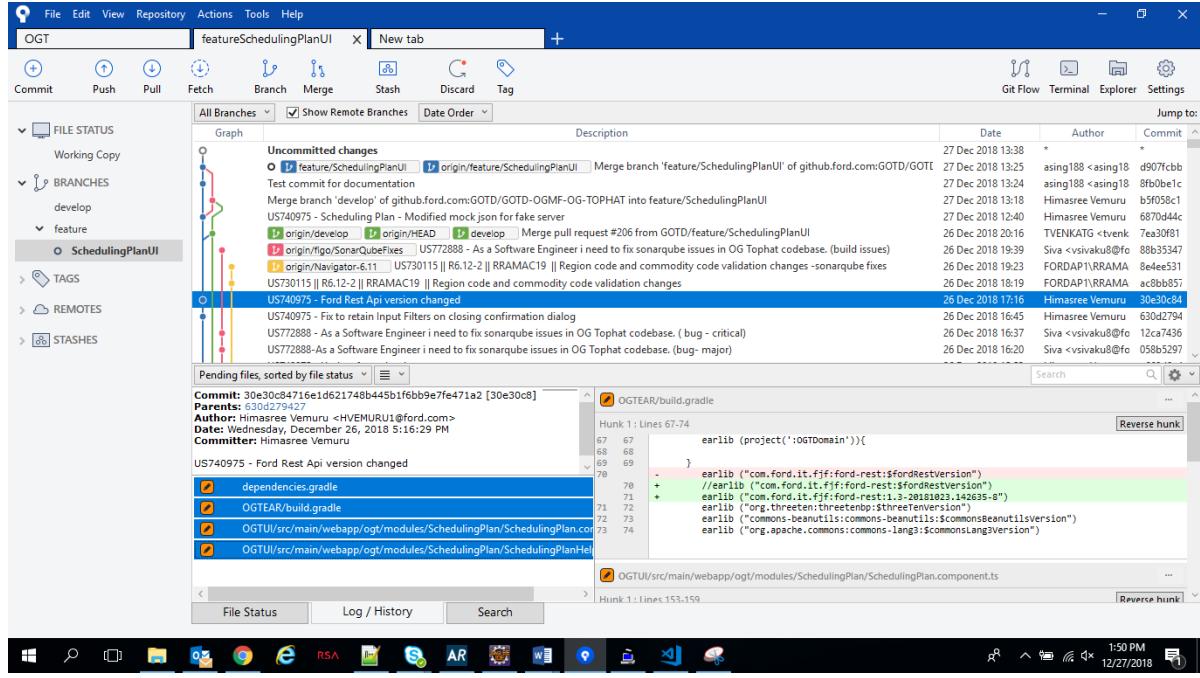
Date	Author	Commit
27 Dec 2018 13:38	*	asing188 <asing18 d907fcbb
27 Dec 2018 13:25	*	asing188 <asing18 8fb0be1c
27 Dec 2018 13:24	*	asing188 <asing18 b5f058c1
27 Dec 2018 13:18	Himastree Venmuru	6870d44c
27 Dec 2018 12:40	Himastree Venmuru	6870d44c
26 Dec 2018 20:16	TVENKATG <tvenk 7ea30981	
26 Dec 2018 19:39	Siva <sivaku@fo	88635347
26 Dec 2018 19:23	FORDAP1RRAMA	8elee5531
26 Dec 2018 18:19	FORDAP1RRAMA	ac8bb851
26 Dec 2018 17:16	Himastree Venmuru	30e30c84
26 Dec 2018 16:45	Himastree Venmuru	630d2794
26 Dec 2018 16:37	Siva <sivaku@fo	12ca7436
26 Dec 2018 16:20	Siva <sivaku@fo	058b5297

Select another commit.



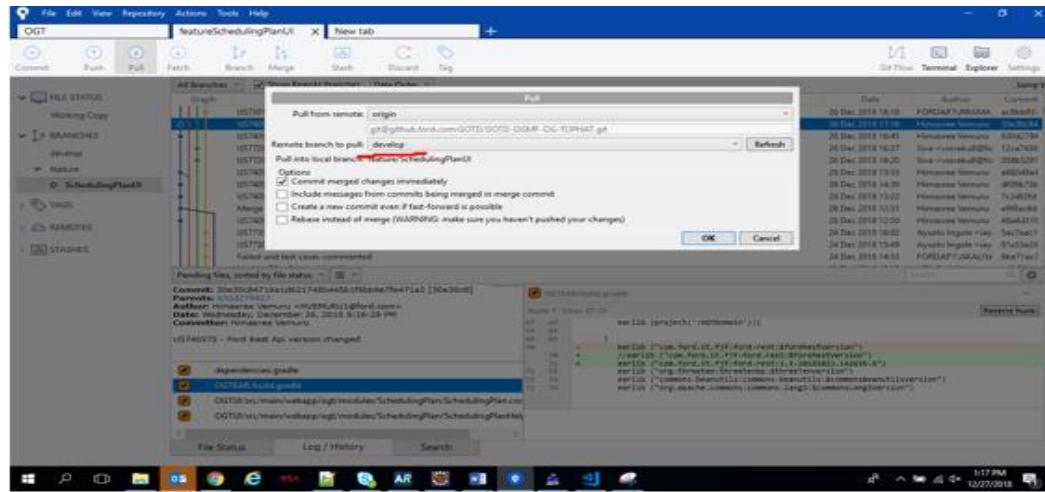
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



List of files you can see for that commit.

9. Pull code from develop branch to feature branch



Select Develop branch and choose checkbox "commit merge changes immediately".

Originator: ASING188

US746874: OGT setup

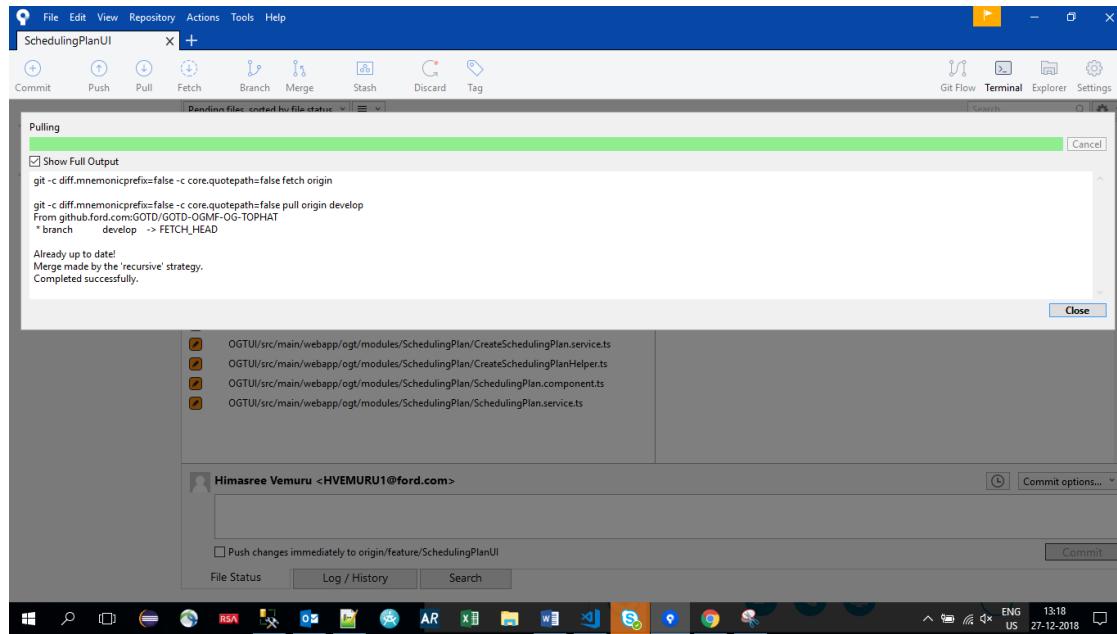
Page 89 of 97

Date Issued: 27/12/2018



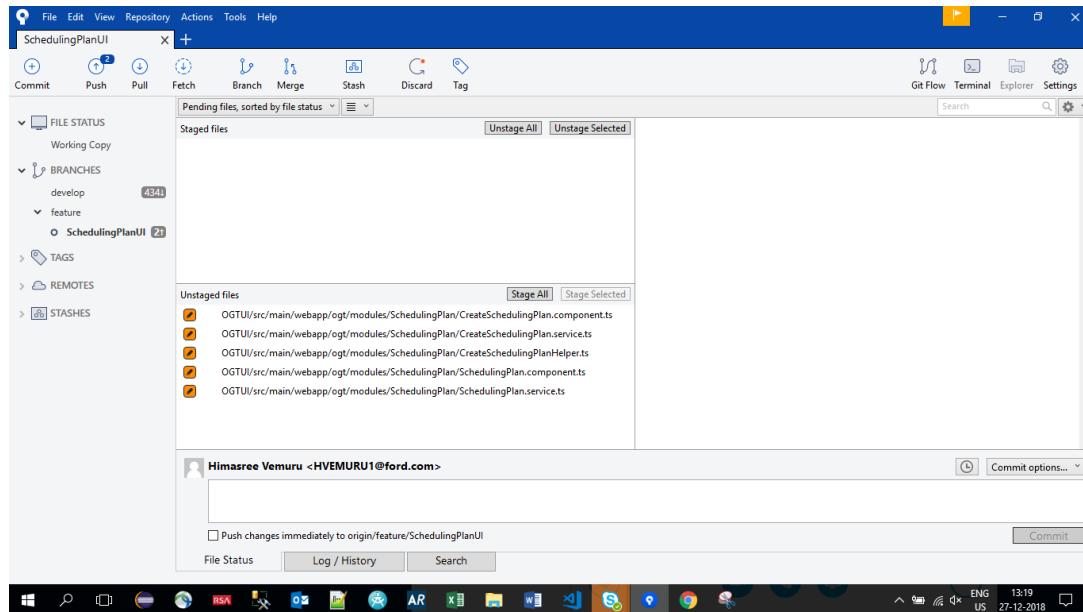
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Successfully pulled code from develop branch to feature branch without any conflicts.

Click on Push menu.



Originator: ASING188

US746874: OGT setup

Page 90 of 97

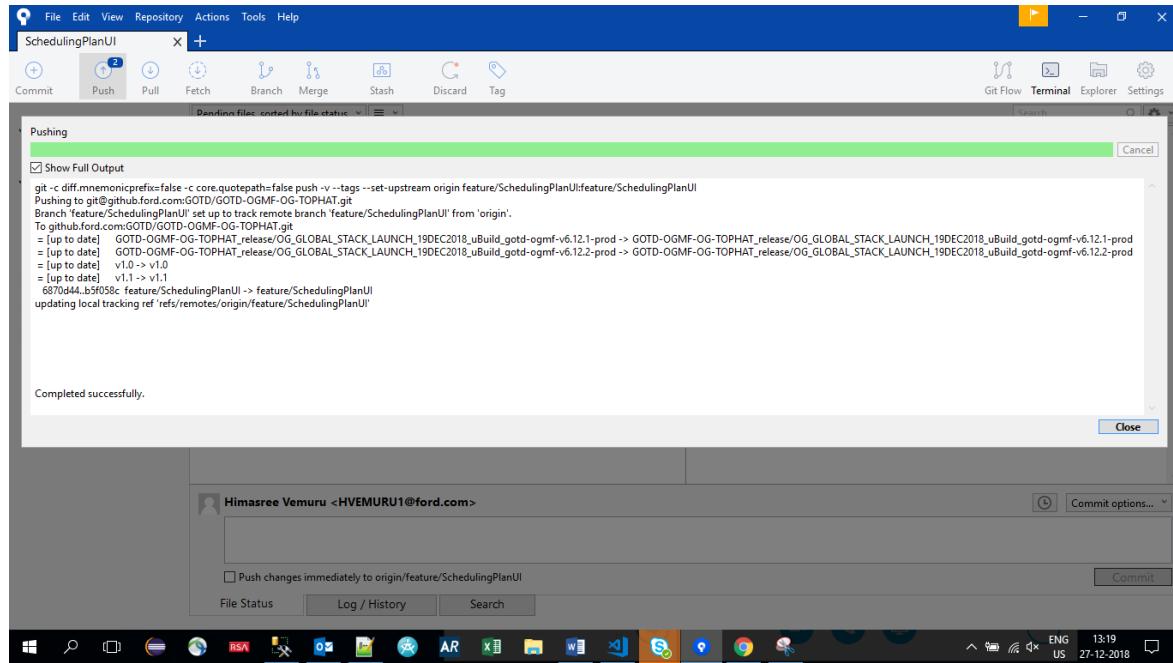
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Now you have to push the changes to feature branch after successful pull code from develop branch.



10. Pull/ code update from feature branch to local

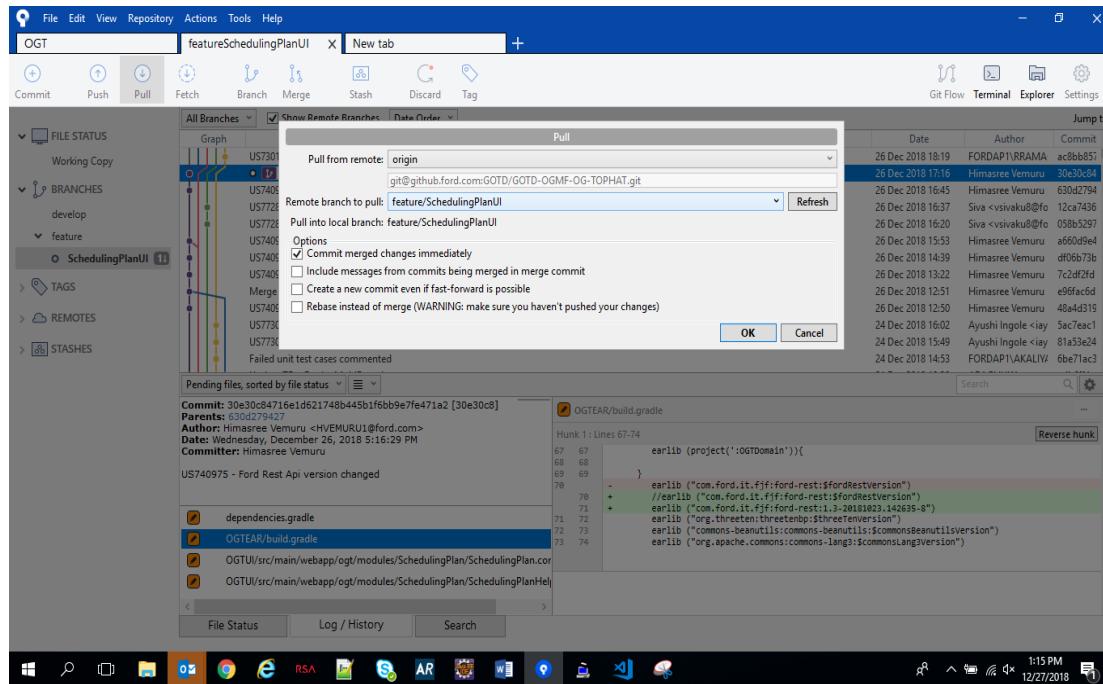
Click on Pull menu.

Select feature branch and first checkbox. Click on ok.



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup





Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Pulling

Show Full Output

```
git -c diff.mnemonicprefix=false -c core.quotepath=false fetch origin
git -c diff.mnemonicprefix=false -c core.quotepath=false pull origin feature/SchedulingPlanUI
From github.ford.com:OGT/OGT-OGMF-OG-TOPHAT
 * branch      feature:SchedulingPlanUI -> FETCH_HEAD

Updating 30e30c84..6870d44c
Fast-forward

OGTU/src/main/webapp/json/SchedulingPlanData.json | 18 ++++++-----...
1 file changed, 14 insertions(+), 4 deletions(-)

Completed successfully.
```

Parents: 630d279427
Author: Himasree Venmuru <HVEMURU1@ford.com>
Date: Wednesday, December 26, 2018 5:16:29 PM
Committer: Himasree Venmuru

US740975 - Ford Rest Api version changed

File Status Log / History Search

Hunk 1 : Lines 67-74

```
earlib (project(':OGTDomain')){  
    ...  
    earlib ("com.ford.lt.fif:fif:fond-rest:$fordRestVersion")  
    ...  
    earlib ("com.ford.lt.fif:fif:fond-rest:1.3-20181023.142635-8")  
    earlib ("org.threeten:threetenbp:$threeTenVersion")  
    earlib ("com.google.guava:guava:$guavaVersion")  
    earlib ("org.apache.commons:commons-lang3:$commonsLang3Version")  
}
```

Reverse hunk

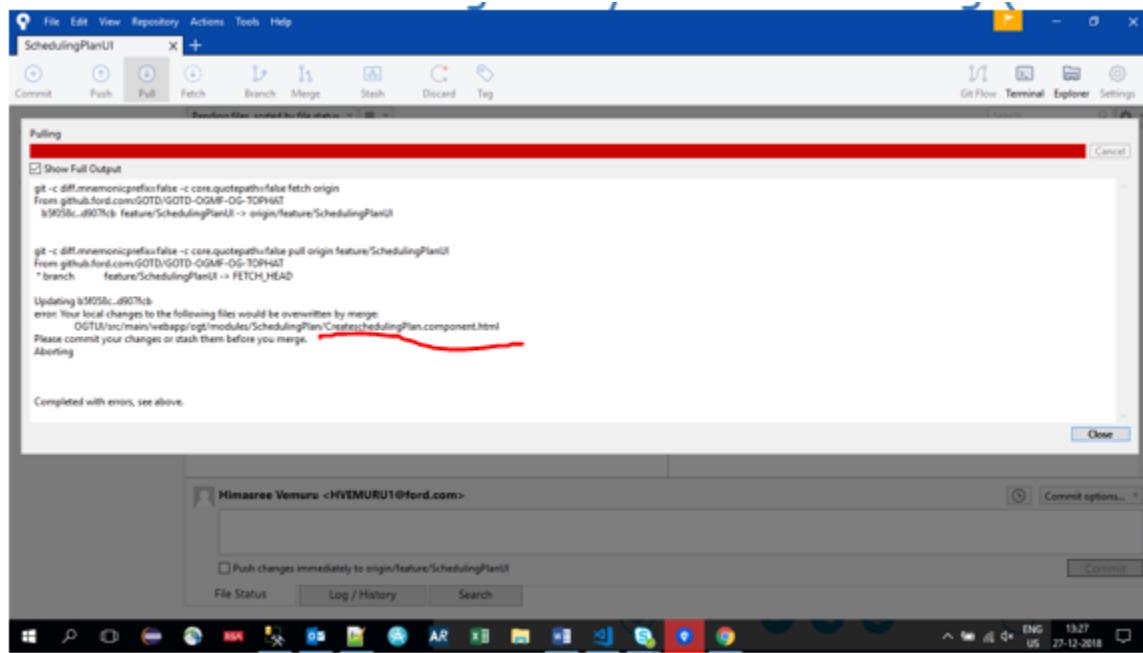
11. Resolve conflicts

When I tried to pull code from feature branch it shows conflict. Which file is conflicting that you can see in log (in red color)



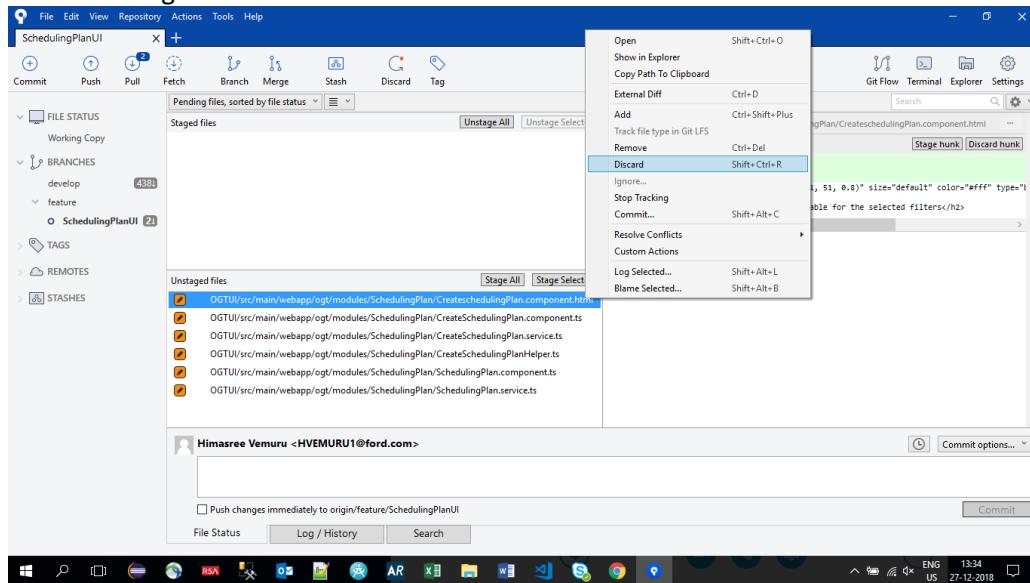
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Two way you can resolve the conflicts

First: select the conflict file and right click on it. Select Discard. It will discard all your local changes.



Originator: ASING188

US746874: OGT setup

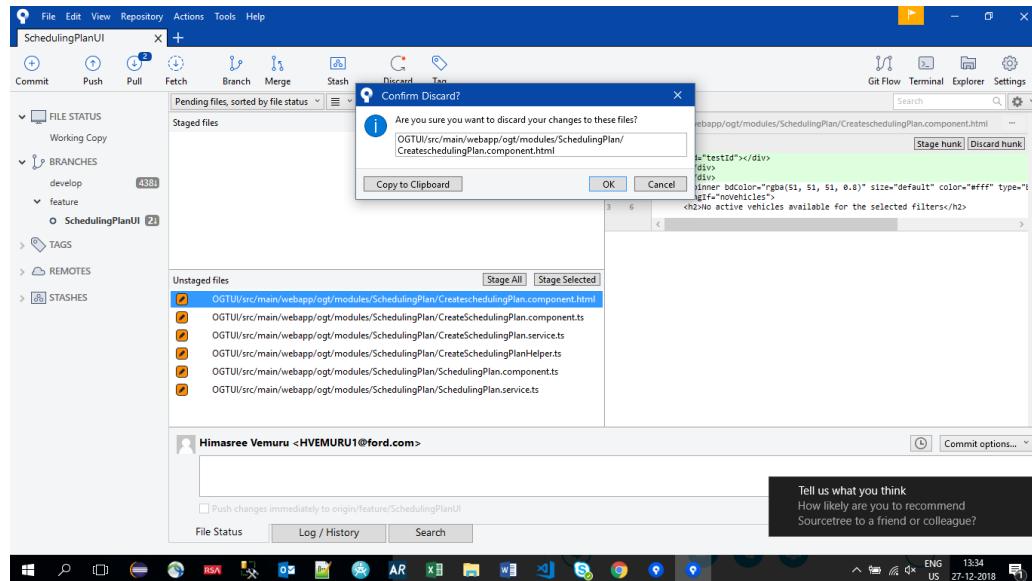
Page 94 of 97

Date Issued: 27/12/2018



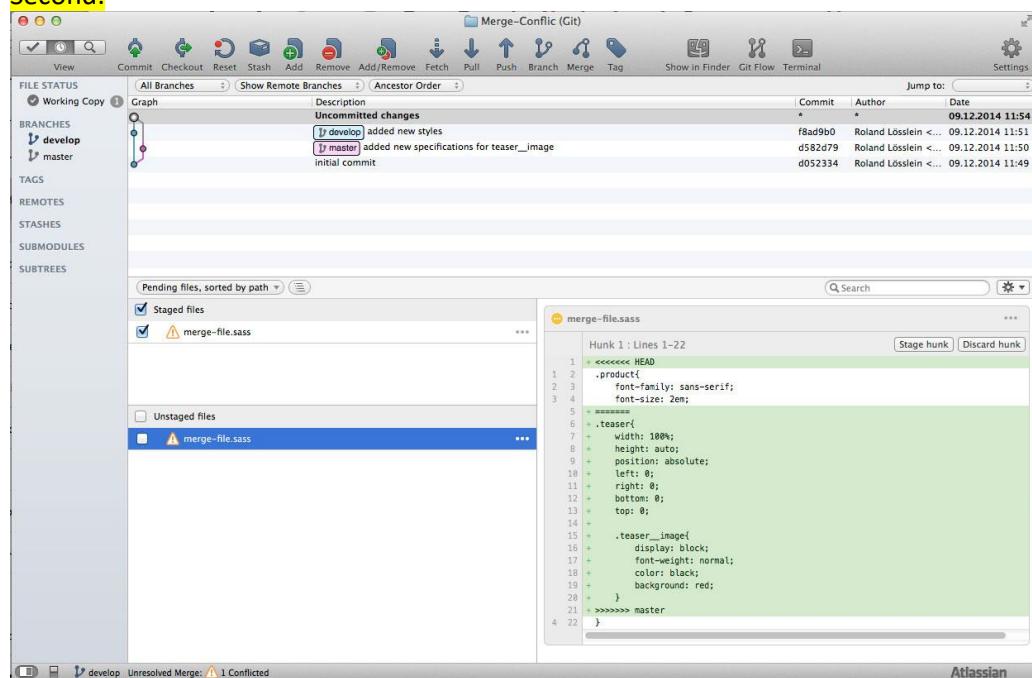
Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup



Once you click on Ok, it will discard your changes

Second:



Originator: ASING188

US746874: OGT setup

Page 95 of 97

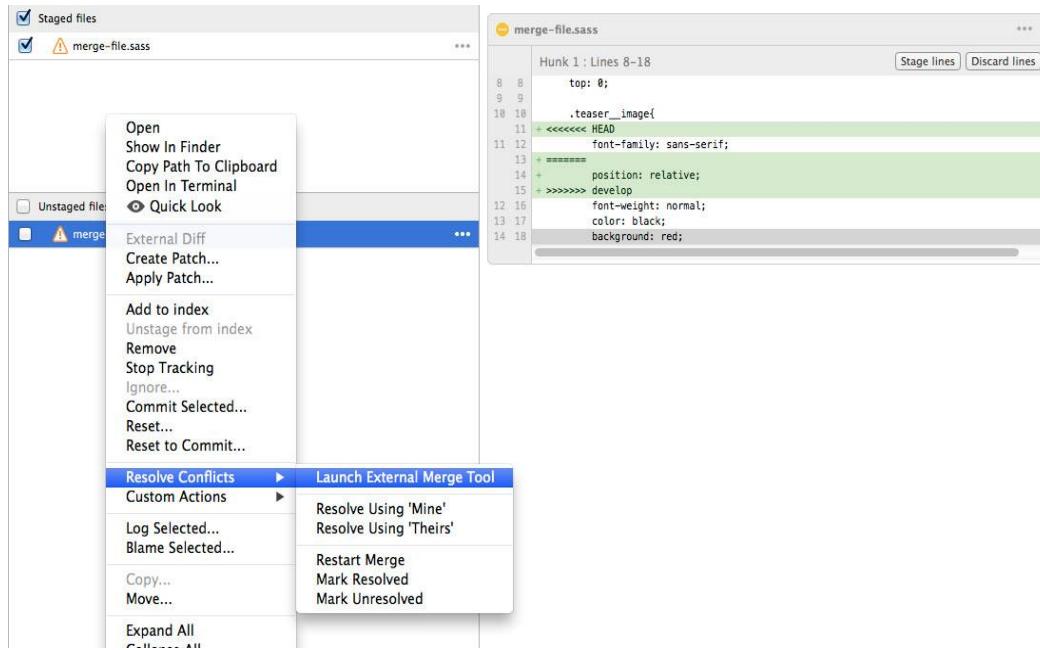
Date Issued: 27/12/2018



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

Right click on conflict file and select Resolve conflict option.



If you want only your changes, select “Resolve Using Mine option”.

If you want only incoming changes not your changes, select “Resolve Using Theirs” option.

If you want both the select “Launch external Merge tool”



Order Generation And Material Forecasting (OGMF)

US746874: OG-Tophat Setup

```
merge-file.sass

1 diff (Ignore line ending differences) | Tab spacing: 4 | File format: System | Encoding: Mac OS X
Base: merge-file.sass.BASE.17511.sass
Left: merge-file.sass.LOCAL.17511.sass
Right: merge-file.sass.REMOTE.17511.sass
Merge: merge-file.sass

./merge-file.sass.LOCAL.17511.sass ./merge-file.sass.BASE.17511.sass ./merge-file.sass.REMOTE.17511.sass

.teaser{
  width: 100%;
  height: auto;
  position: absolute;
  left: 0;
  right: 0;
  bottom: 0;
  top: 0;
}

.teaser image{
  font-family: sans-serif;
  font-weight: normal;
  color: black;
  background: red;
}

.teaser{
  width: 100%;
  height: auto;
  position: absolute;
  left: 0;
  right: 0;
  bottom: 0;
  top: 0;
}

.teaser image{
  display: block;
  font-family: sans-serif;
  position: relative;
  font-weight: normal;
  color: black;
  background: red;
}

.teaser{
  width: 100%;
  height: auto;
  position: absolute;
  left: 0;
  right: 0;
  bottom: 0;
  top: 0;
}

.teaser image{
  position: relative;
  font-weight: normal;
  color: black;
  background: red;
}
```