CI6300 – INDIVIDUAL PROJECT

Uni-Hood Report

Appendix B: Screenshots

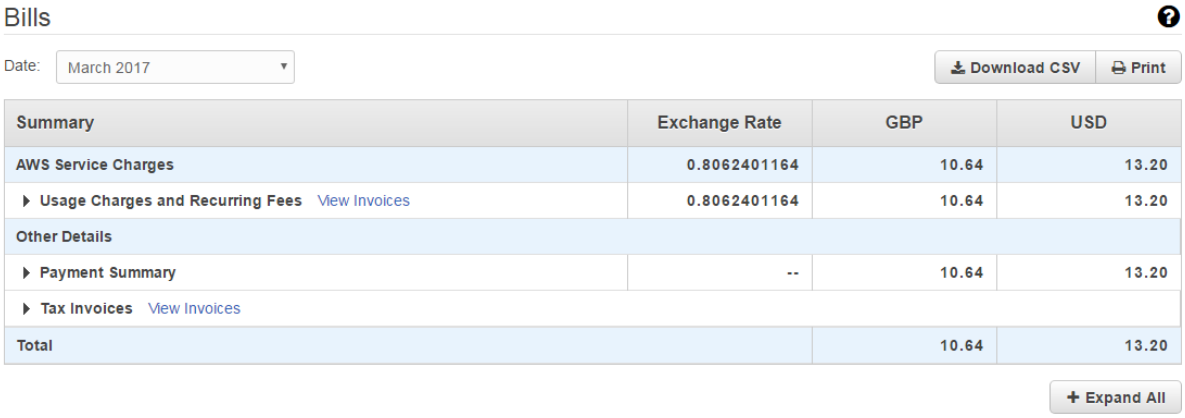
Daniel Carnovale

23/04/2017

Contents

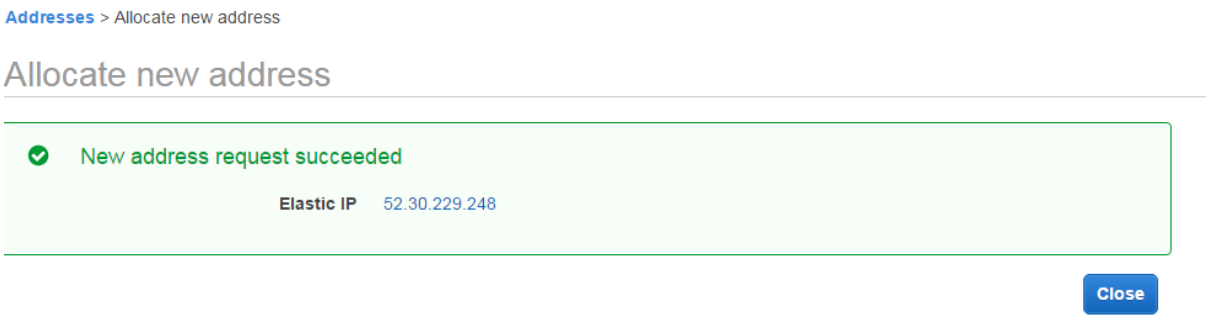
Amazon Billing

bil-1

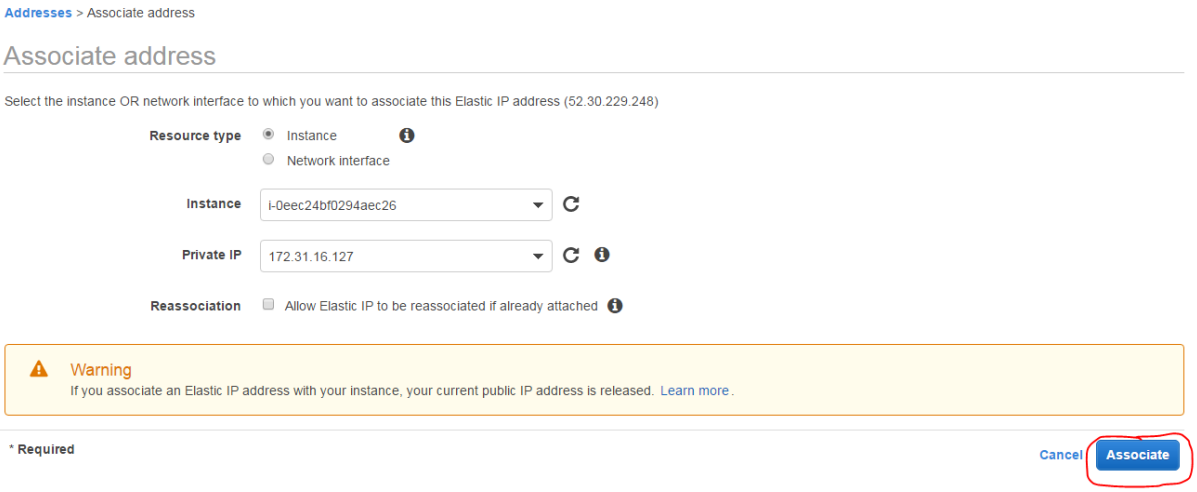


Creating and Associating Elastic IP to Instance

ela-1

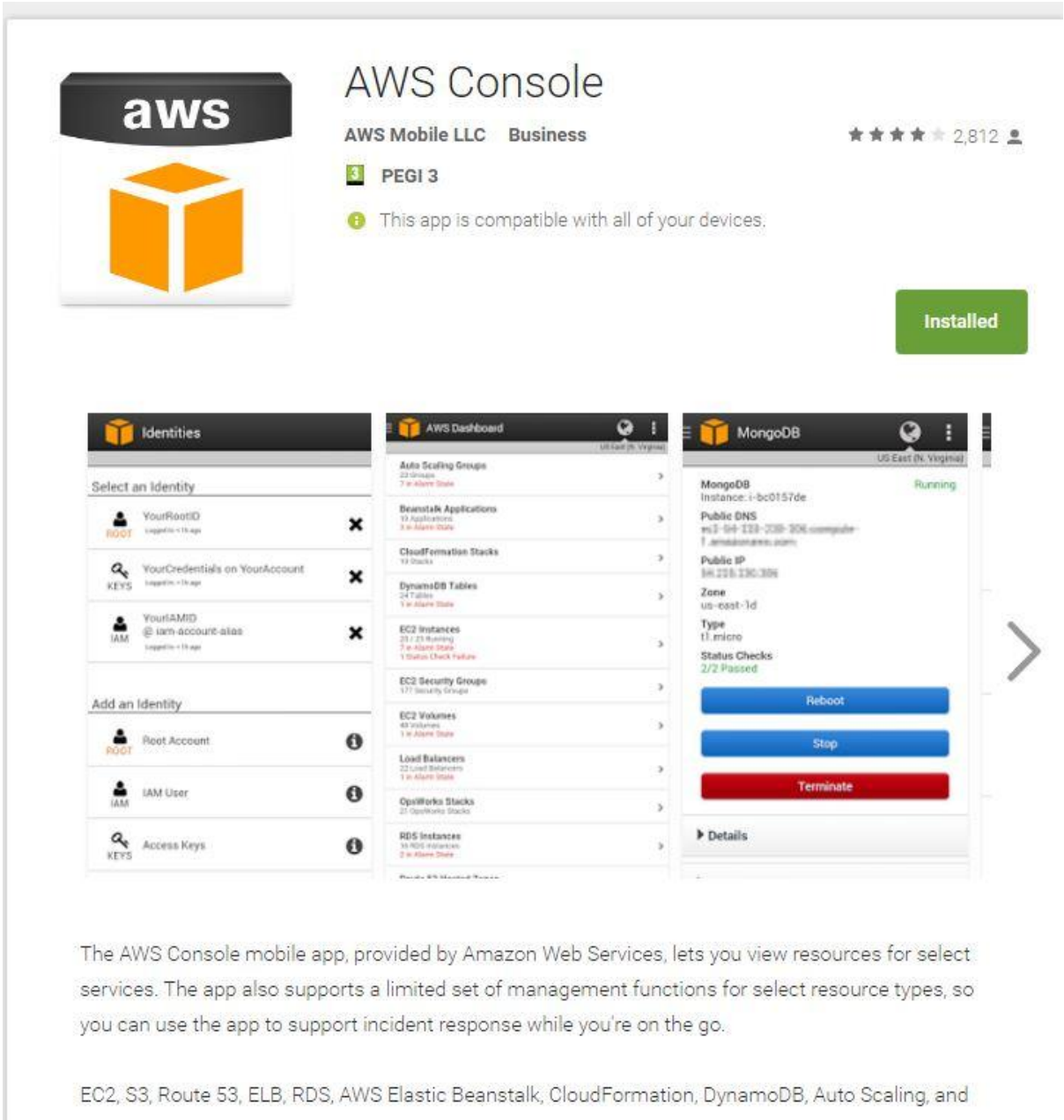


ela-2

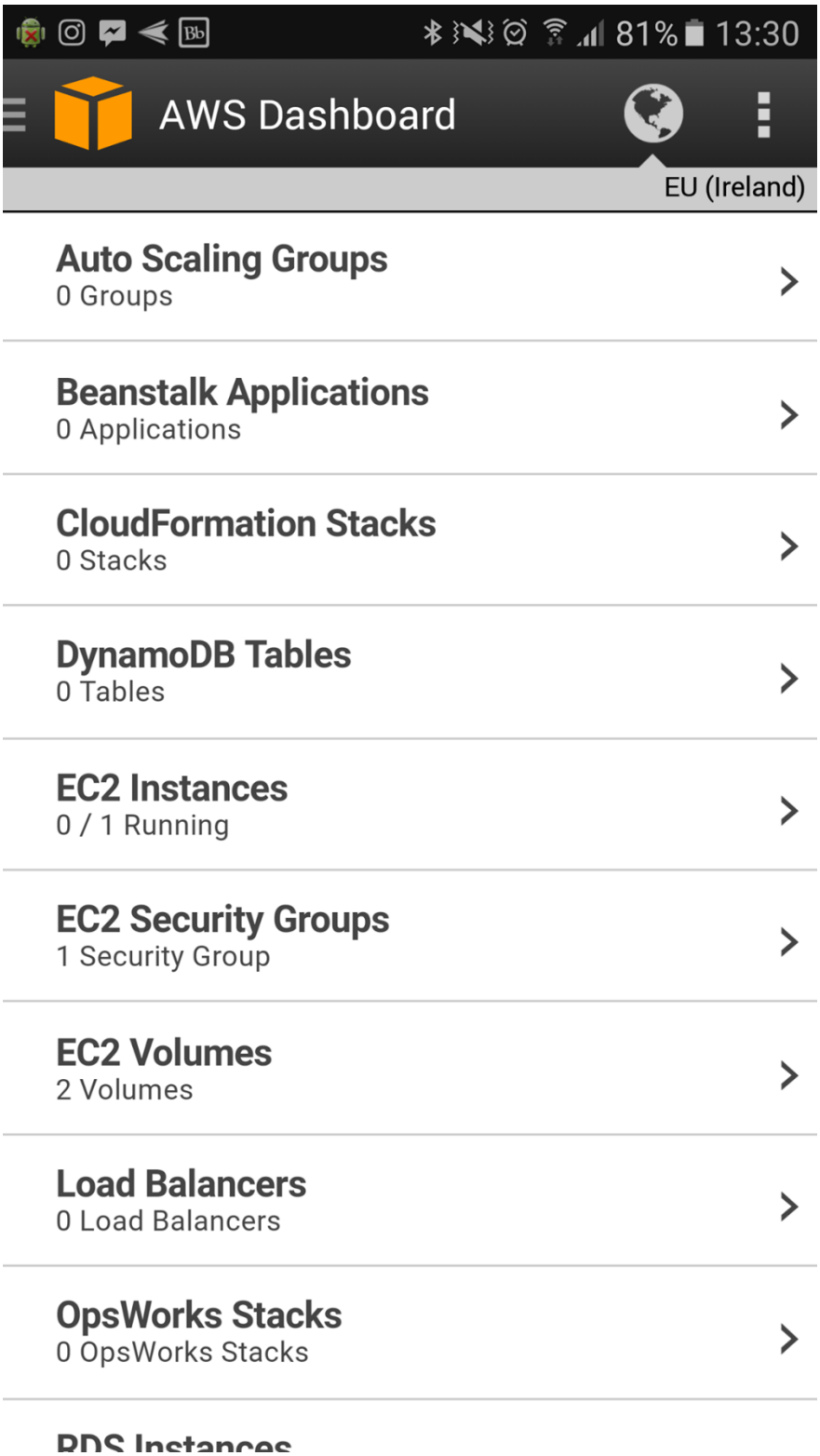


AWS Console for Mobile

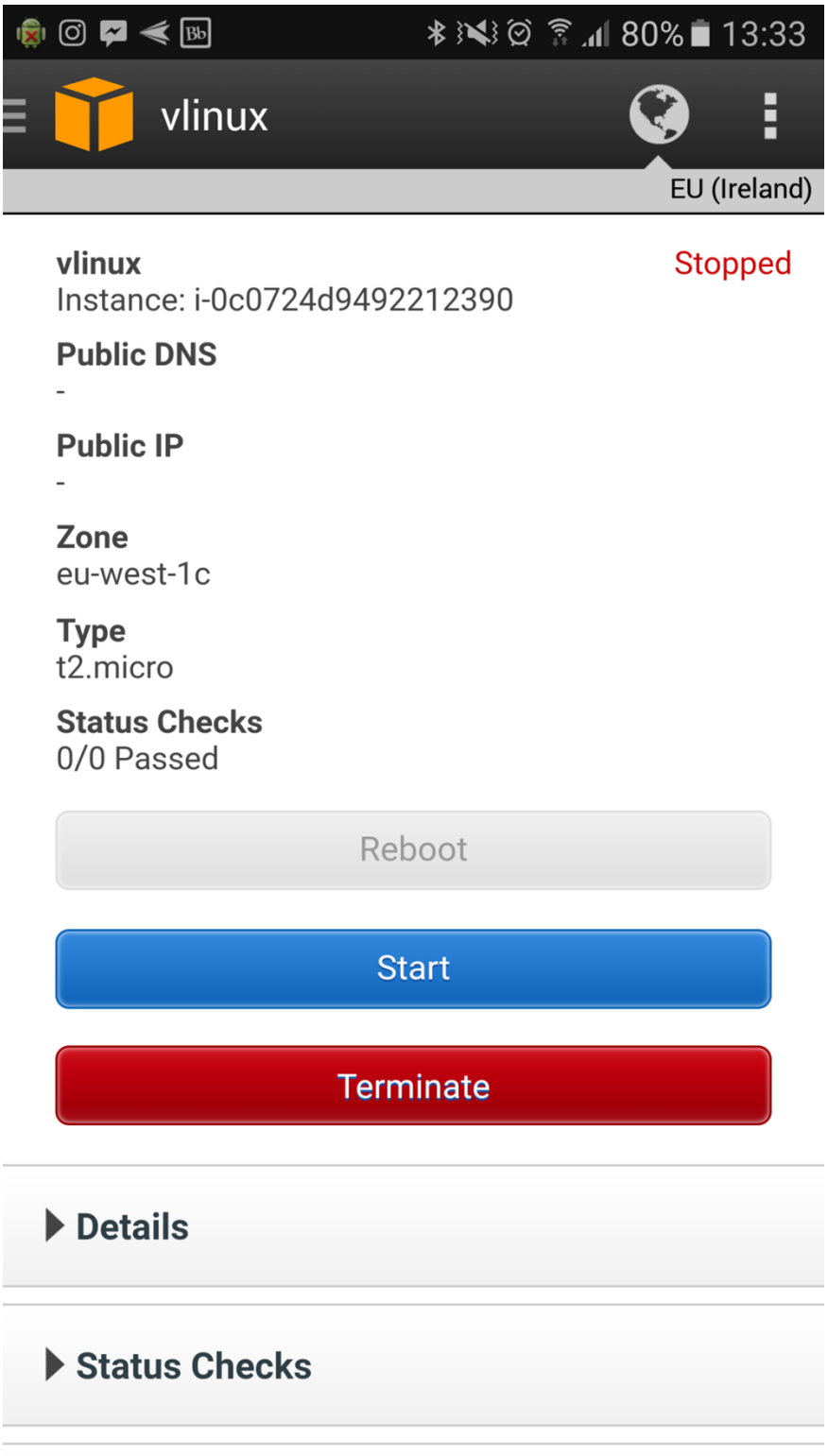
aws-1



aws-2

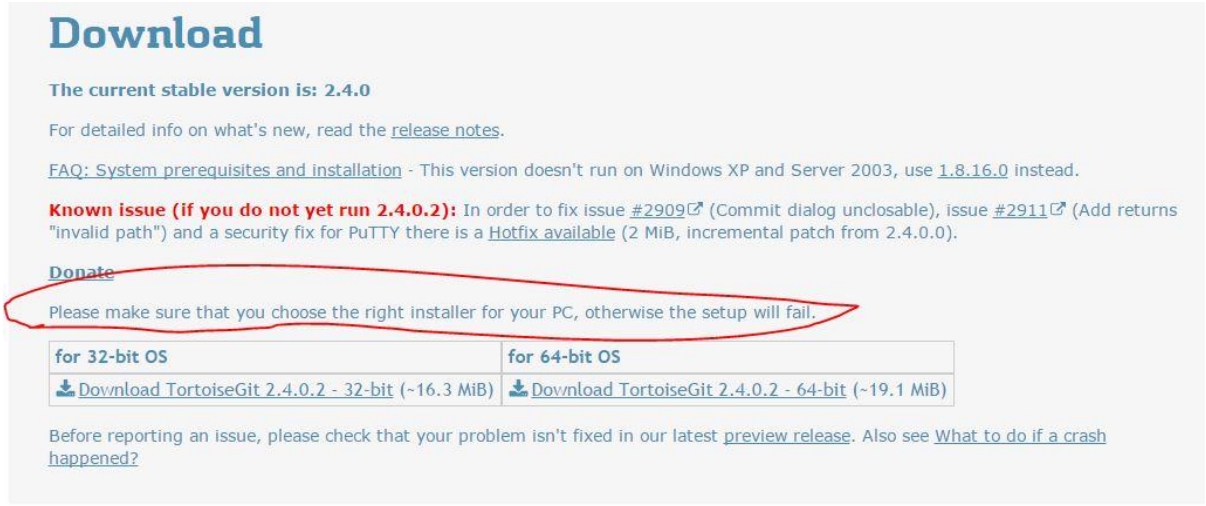

81% 13:30
AWS Dashboard
EU (Ireland)
Auto Scaling Groups
0 Groups
Beanstalk Applications
0 Applications
CloudFormation Stacks
0 Stacks
DynamoDB Tables
0 Tables
EC2 Instances
0 / 1 Running
EC2 Security Groups
1 Security Group
EC2 Volumes
2 Volumes
Load Balancers
0 Load Balancers
OpsWorks Stacks
0 OpsWorks Stacks
RDS Instances

aws-3


80% 13:33
vlinux
EU (Ireland)
vlinux
Stopped
Instance: i-0c0724d9492212390
Public DNS
-
Public IP
-
Zone
eu-west-1c
Type
t2.micro
Status Checks
0/0 Passed
Reboot
Start
Terminate
Details
Status Checks

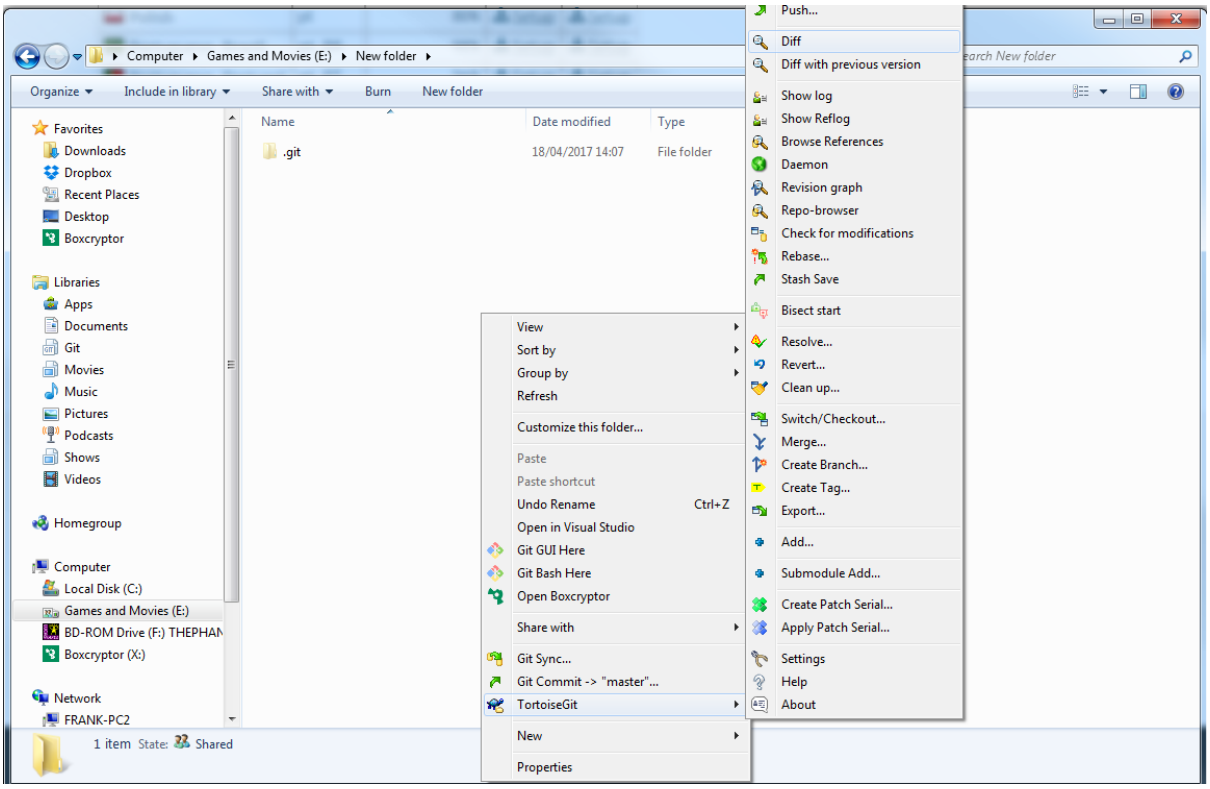
TortoiseGit for Windows

tor-1

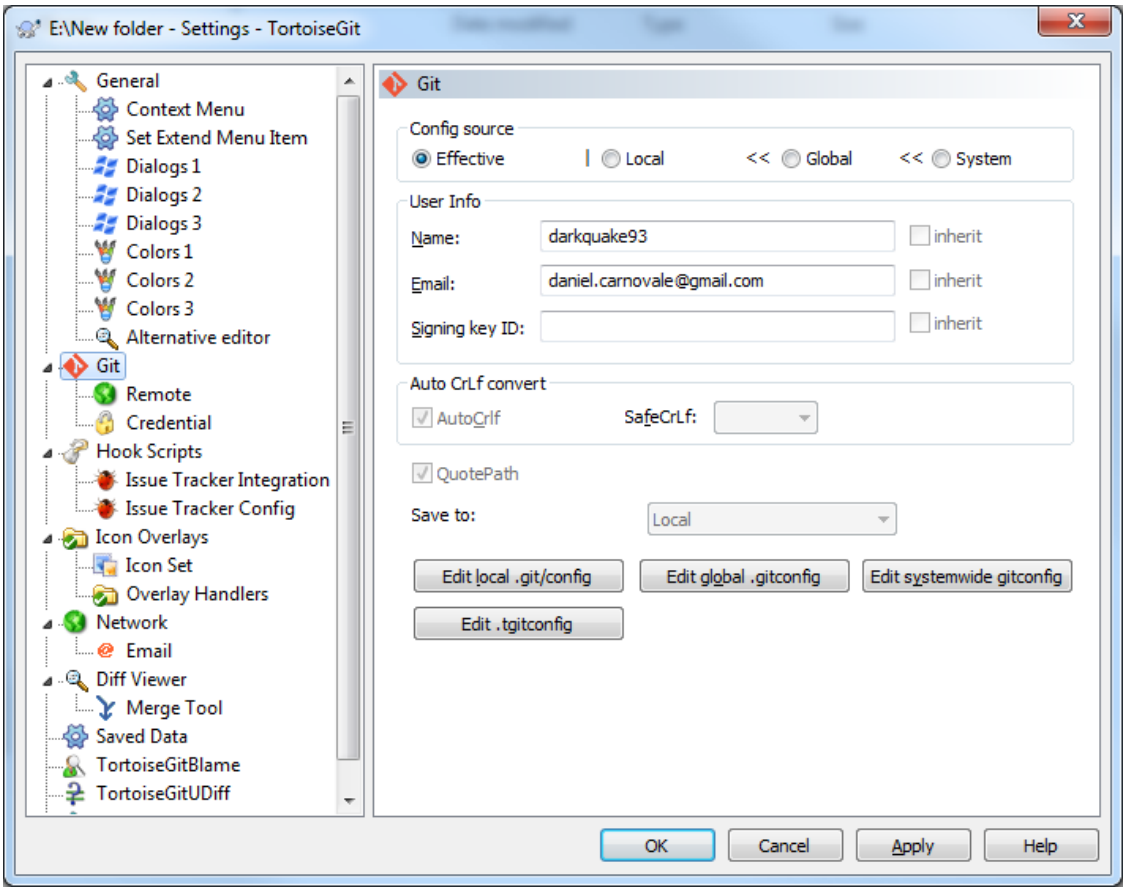


tor-2

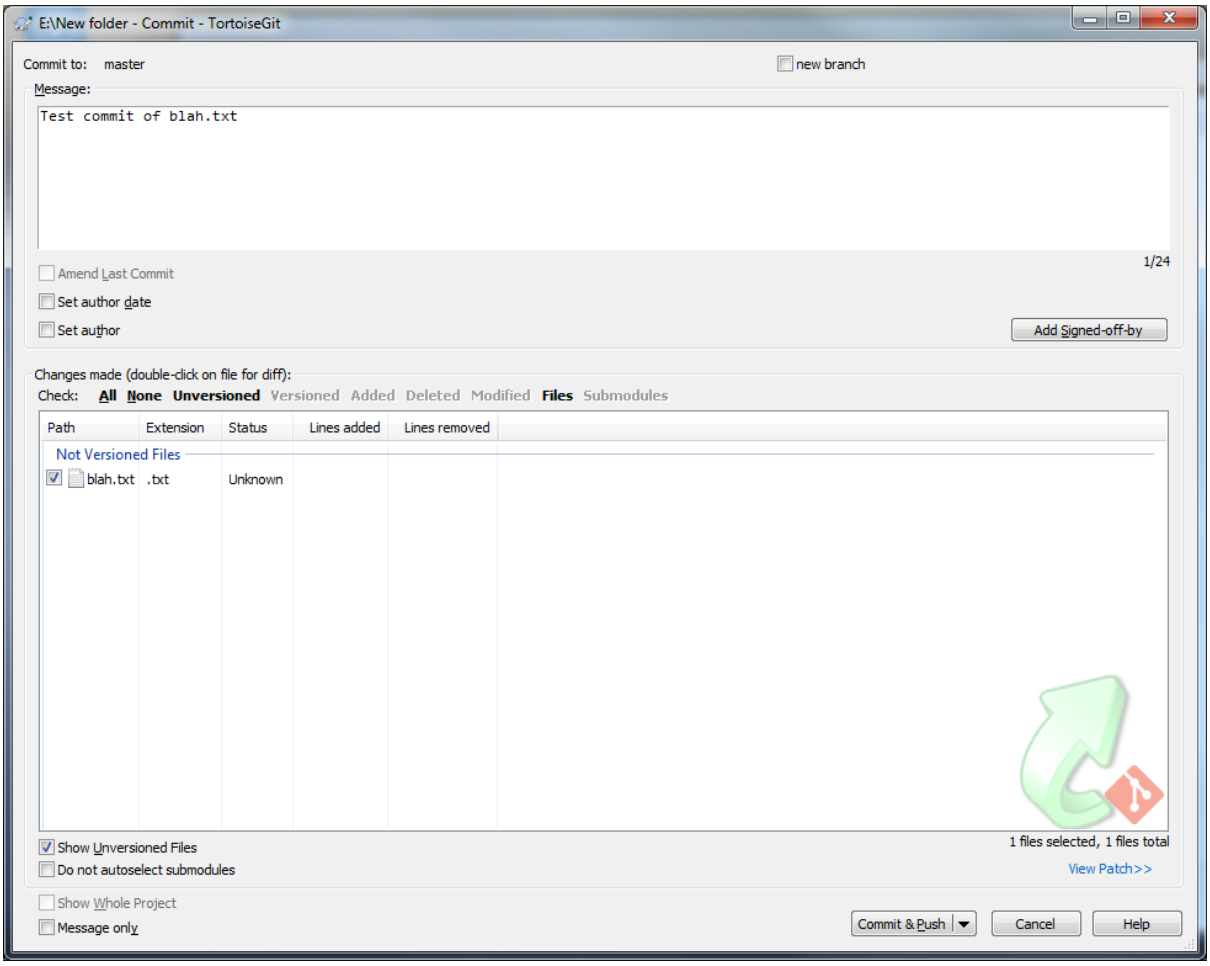
tor-3


Computer ▸ Games and Movies (E:) ▸ New folder ▸
Organize
Include in library
Share with
Burn
New folder
Favorites
Downloads
Dropbox
Recent Places
Desktop
Boxcryptor
Libraries
Apps
Documents
Git
Movies
Music
Pictures
Podcasts
Shows
Videos
Homegroup
Computer
Local Disk (C:)
Games and Movies (E:)
BD-ROM Drive (F:) THEPHAN
Boxcryptor (X:)
Network
FRANK-PC2
Name
Date modified
Type
.git
18/04/2017 14:07
File folder
1 item State: Shared
View
Sort by
Group by
Refresh
Customize this folder...
Paste
Paste shortcut
Undo Rename Ctrl+Z
Open in Visual Studio
Git GUI Here
Git Bash Here
Open Boxcryptor
Share with
Git Sync...
Git Commit -> "master"...
TortoiseGit
New
Properties
Push...
Diff
Diff with previous version
Show log
Show Reflog
Browse References
Daemon
Revision graph
Repo-browser
Check for modifications
Rebase...
Stash Save
Bisect start
Resolve...
Revert...
Clean up...
Switch/Checkout...
Merge...
Create Branch...
Create Tag...
Export...
Add...
Submodule Add...
Create Patch Serial...
Apply Patch Serial...
Settings
Help
About

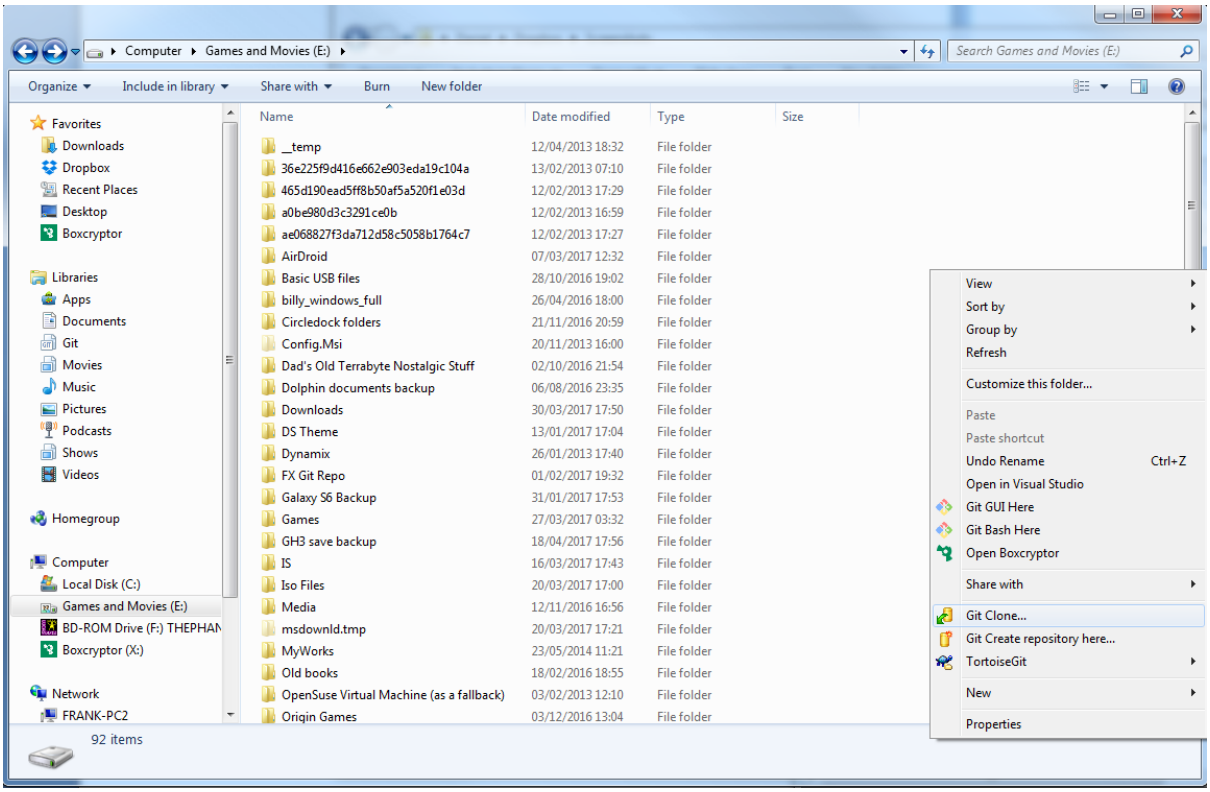
tor-4


E:\New folder - Settings - TortoiseGit
General
Context Menu
Set Extend Menu Item
Dialogs 1
Dialogs 2
Dialogs 3
Colors 1
Colors 2
Colors 3
Alternative editor
Git
Remote
Credential
Hook Scripts
Issue Tracker Integration
Issue Tracker Config
Icon Overlays
Icon Set
Overlay Handlers
Network
Email
Diff Viewer
Merge Tool
Saved Data
TortoiseGitBlame
TortoiseGitUDiff
Git
Config source
Effective
Local
<< Global
<< System
User Info
Name:
darkquake93
inherit
Email:
daniel.carnovale@gmail.com
inherit
Signing key ID:
inherit
Auto CrLf convert
AutoCrlf
SafeCrLf:
QuotePath
Save to:
Local
Edit local .git/config
Edit global .gitconfig
Edit systemwide gitconfig
Edit .tgitconfig
OK
Cancel
Apply
Help

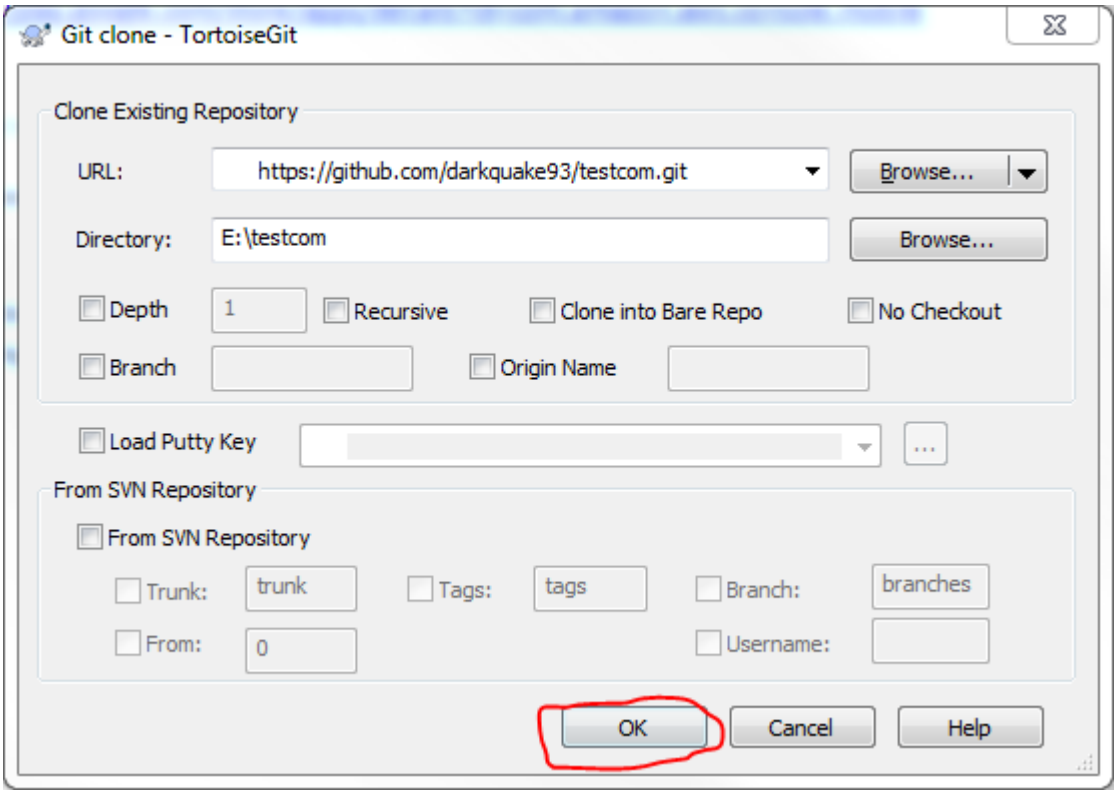
tor-5


E:\New folder - Commit - TortoiseGit
Commit to: master
new branch
Message:
Test commit of blah.txt
1/24
Amend Last Commit
Set author date
Set author
Add Signed-off-by
Changes made (double-click on file for diff):
Check: All None Unversioned Versioned Added Deleted Modified Files Submodules
Path
Extension
Status
Lines added
Lines removed
Not Versioned Files
blah.txt
.txt
Unknown
1 files selected, 1 files total
Show Unversioned Files
Do not autoselect submodules
View Patch>>
Show Whole Project
Message only
Commit & Push
Cancel
Help

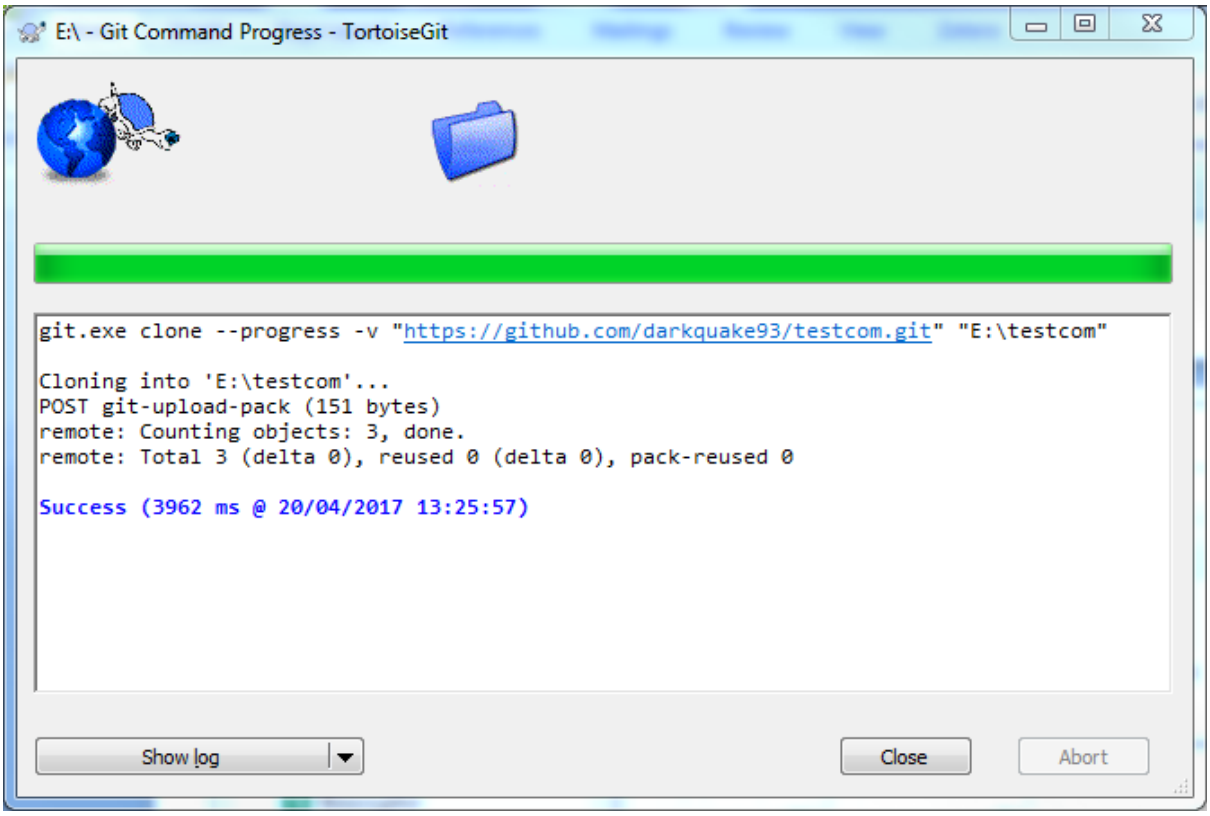
tor-6


Computer ▸ Games and Movies (E:) ▸
Search Games and Movies (E:)
Organize
Include in library
Share with
Burn
New folder
Favorites
Downloads
Dropbox
Recent Places
Desktop
Boxcryptor
Libraries
Apps
Documents
Git
Movies
Music
Pictures
Podcasts
Shows
Videos
Homegroup
Computer
Local Disk (C:)
Games and Movies (E:)
BD-ROM Drive (F:) THEPHAN
Boxcryptor (X:)
Network
FRANK-PC2
Name
Date modified
Type
Size
__temp 12/04/2013 18:32 File folder
36e225f9d416e662e903eda19c104a 13/02/2013 07:10 File folder
465d190ead5ff8b50af5a520f1e03d 12/02/2013 17:29 File folder
a0be980d3c3291ce0b 12/02/2013 16:59 File folder
ae068827f3da712d58c5058b1764c7 12/02/2013 17:27 File folder
AirDroid 07/03/2017 12:32 File folder
Basic USB files 28/10/2016 19:02 File folder
billy_windows_full 26/04/2016 18:00 File folder
Circledock folders 21/11/2016 20:59 File folder
Config.Msi 20/11/2013 16:00 File folder
Dad's Old Terrabyte Nostalgic Stuff 02/10/2016 21:54 File folder
Dolphin documents backup 06/08/2016 23:35 File folder
Downloads 30/03/2017 17:50 File folder
DS Theme 13/01/2017 17:04 File folder
Dynamix 26/01/2013 17:40 File folder
FX Git Repo 01/02/2017 19:32 File folder
Galaxy S6 Backup 31/01/2017 17:53 File folder
Games 27/03/2017 03:32 File folder
GH3 save backup 18/04/2017 17:56 File folder
IS 16/03/2017 17:43 File folder
Iso Files 20/03/2017 17:00 File folder
Media 12/11/2016 16:56 File folder
msdownld.tmp 20/03/2017 17:21 File folder
MyWorks 23/05/2014 11:21 File folder
Old books 18/02/2016 18:55 File folder
OpenSuse Virtual Machine (as a fallback) 03/02/2013 12:10 File folder
Origin Games 03/12/2016 13:04 File folder
92 items
View
Sort by
Group by
Refresh
Customize this folder...
Paste
Paste shortcut
Undo Rename Ctrl+Z
Open in Visual Studio
Git GUI Here
Git Bash Here
Open Boxcryptor
Share with
Git Clone...
Git Create repository here...
TortoiseGit
New
Properties

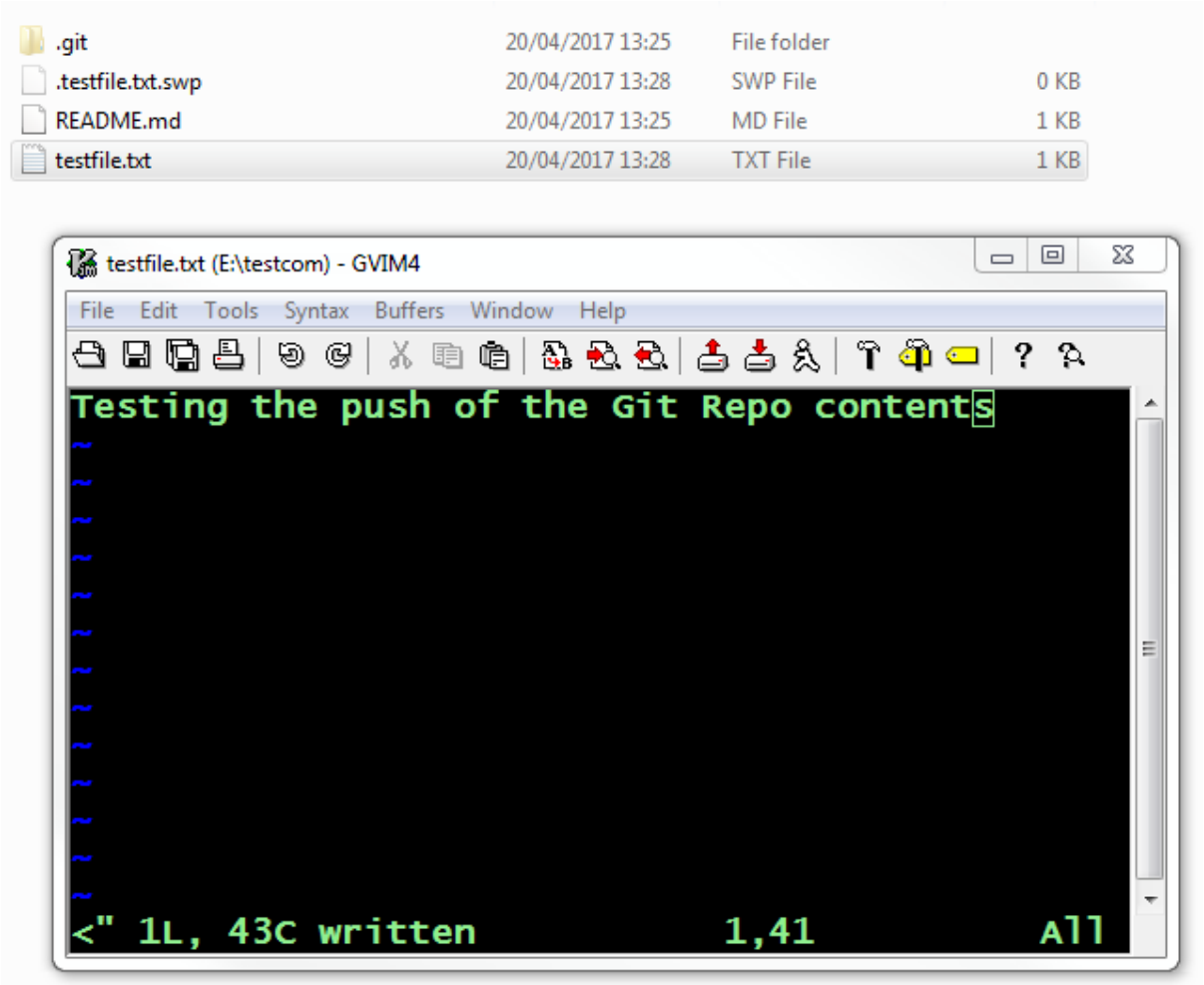
tor-7


Git clone - TortoiseGit
Clone Existing Repository
URL:
https://github.com/darkquake93/testcom.git
Browse...
Directory:
E:\testcom
Browse...
Depth
1
Recursive
Clone into Bare Repo
No Checkout
Branch
Origin Name
Load Putty Key
From SVN Repository
From SVN Repository
Trunk:
trunk
Tags:
tags
Branch:
branches
From:
0
Username:
OK
Cancel
Help

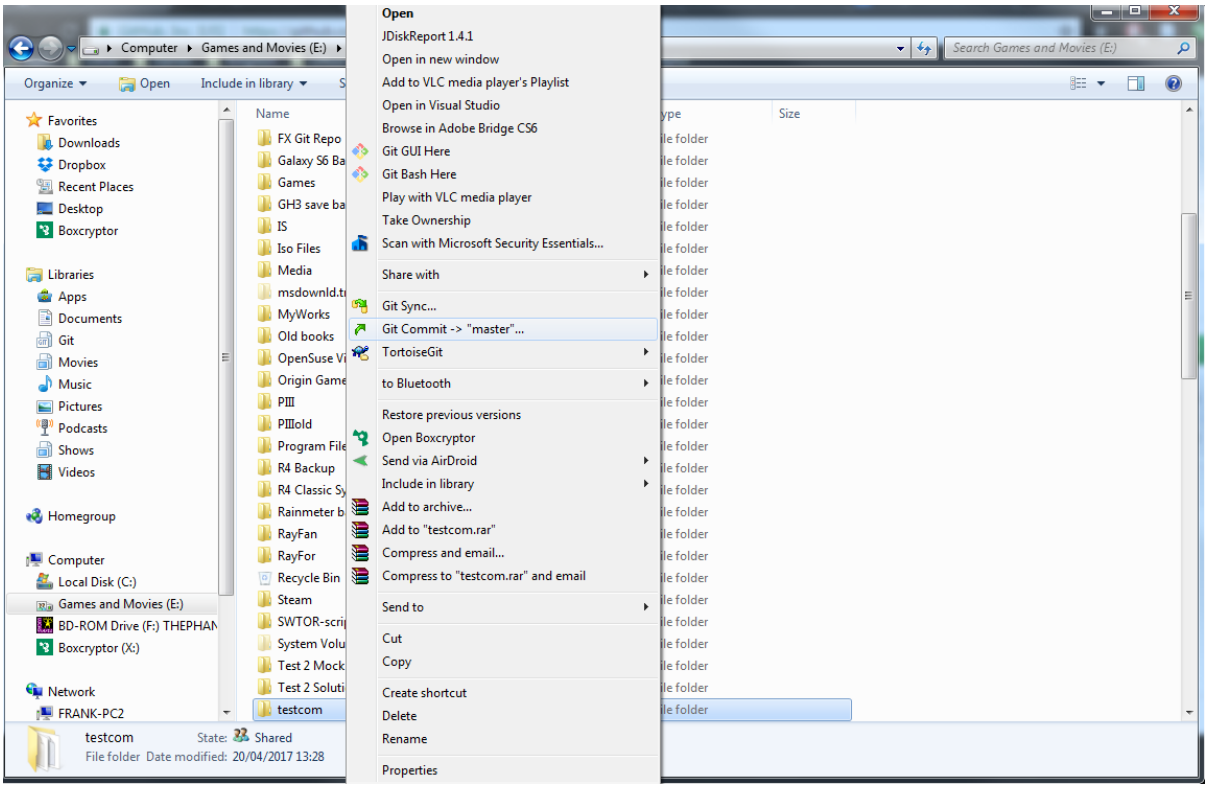
tor-8


E:\ - Git Command Progress - TortoiseGit
git.exe clone --progress -v "https://github.com/darkquake93/testcom.git" "E:\testcom"
Cloning into 'E:\testcom'...
POST git-upload-pack (151 bytes)
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Success (3962 ms @ 20/04/2017 13:25:57)
Show log
Close
Abort

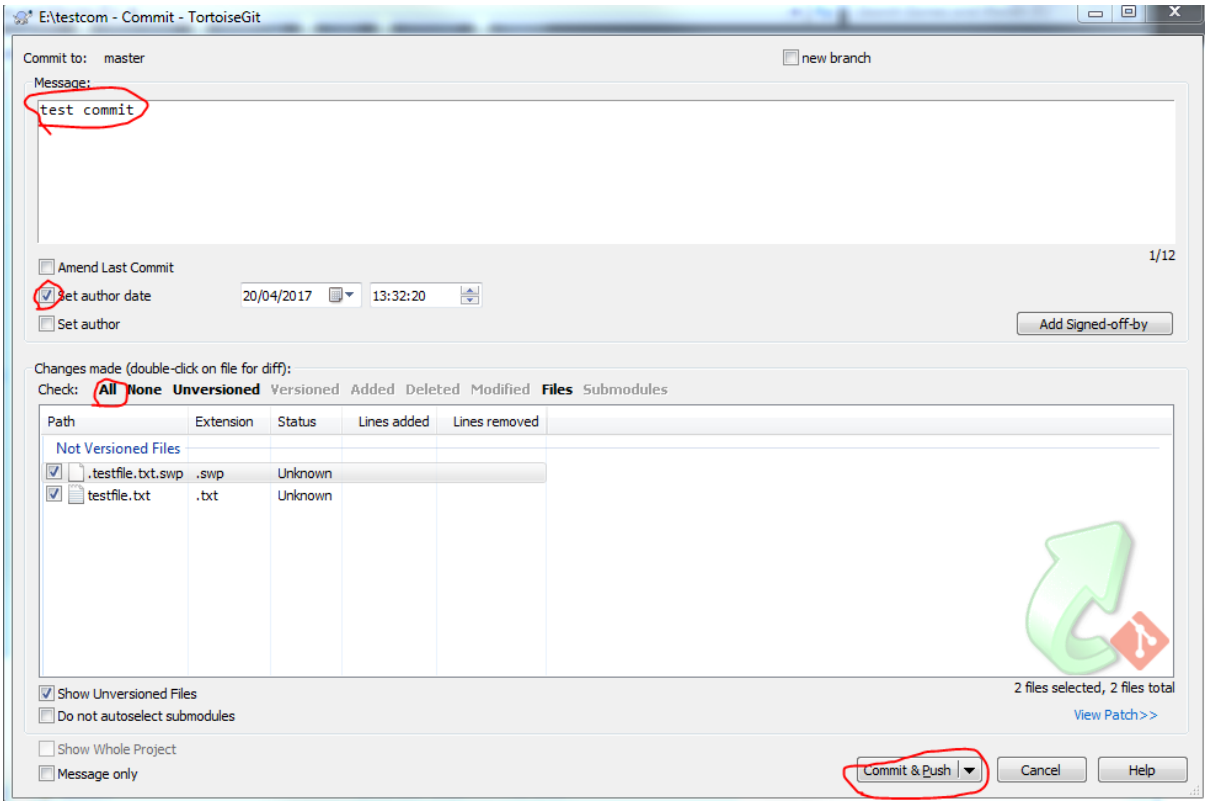
tor-9


.git 20/04/2017 13:25 File folder
.testfile.txt.swp 20/04/2017 13:28 SWP File 0 KB
README.md 20/04/2017 13:25 MD File 1 KB
testfile.txt 20/04/2017 13:28 TXT File 1 KB
testfile.txt (E:\testcom) - GVIM4
File Edit Tools Syntax Buffers Window Help
Testing the push of the Git Repo contents
<" 1L, 43C written 1,41 All

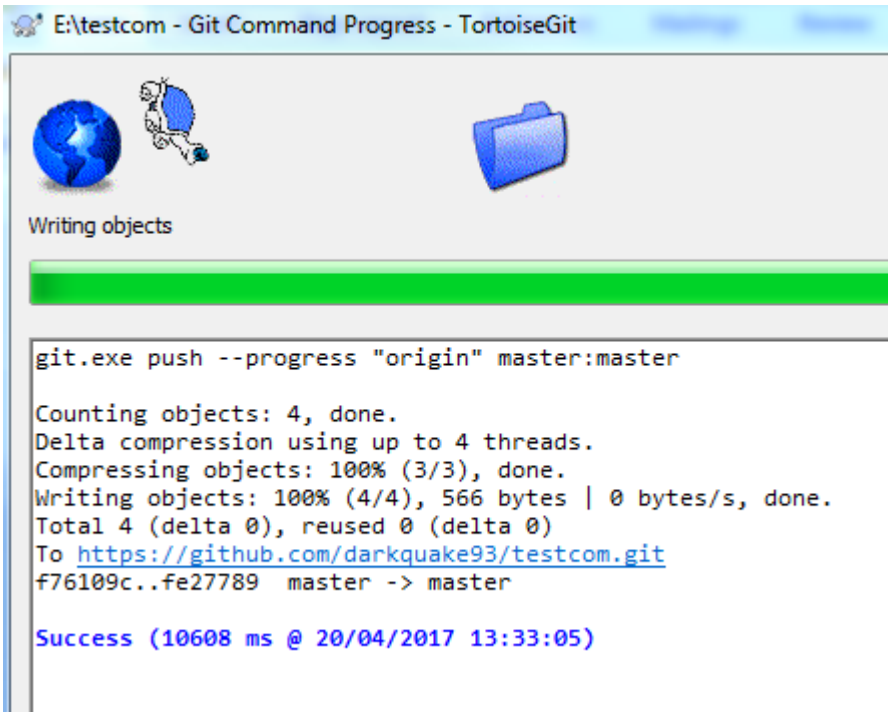
tor-10


Computer ▸ Games and Movies (E:) ▸
Organize
Open
Include in library
Favorites
Downloads
Dropbox
Recent Places
Desktop
Boxcryptor
Libraries
Apps
Documents
Git
Movies
Music
Pictures
Podcasts
Shows
Videos
Homegroup
Computer
Local Disk (C:)
Games and Movies (E:)
BD-ROM Drive (F:) THEPHAN
Boxcryptor (X:)
Network
FRANK-PC2
Name
FX Git Repo
Galaxy S6 Ba
Games
GH3 save ba
IS
Iso Files
Media
MyWorks
Old books
Origin Game
PIII
PIIIold
R4 Backup
RayFan
RayFor
Recycle Bin
Steam
System Volu
Test 2 Mock
Test 2 Soluti
testcom
testcom State: Shared
File folder Date modified: 20/04/2017 13:28
Open
JDiskReport 1.4.1
Open in new window
Add to VLC media player's Playlist
Open in Visual Studio
Browse in Adobe Bridge CS6
Git GUI Here
Git Bash Here
Play with VLC media player
Take Ownership
Scan with Microsoft Security Essentials...
Share with
Git Sync...
Git Commit -> "master"...
TortoiseGit
to Bluetooth
Restore previous versions
Open Boxcryptor
Send via AirDroid
Include in library
Add to archive...
Add to "testcom.rar"
Compress and email...
Compress to "testcom.rar" and email
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties
Search Games and Movies (E:)
Size
le folder

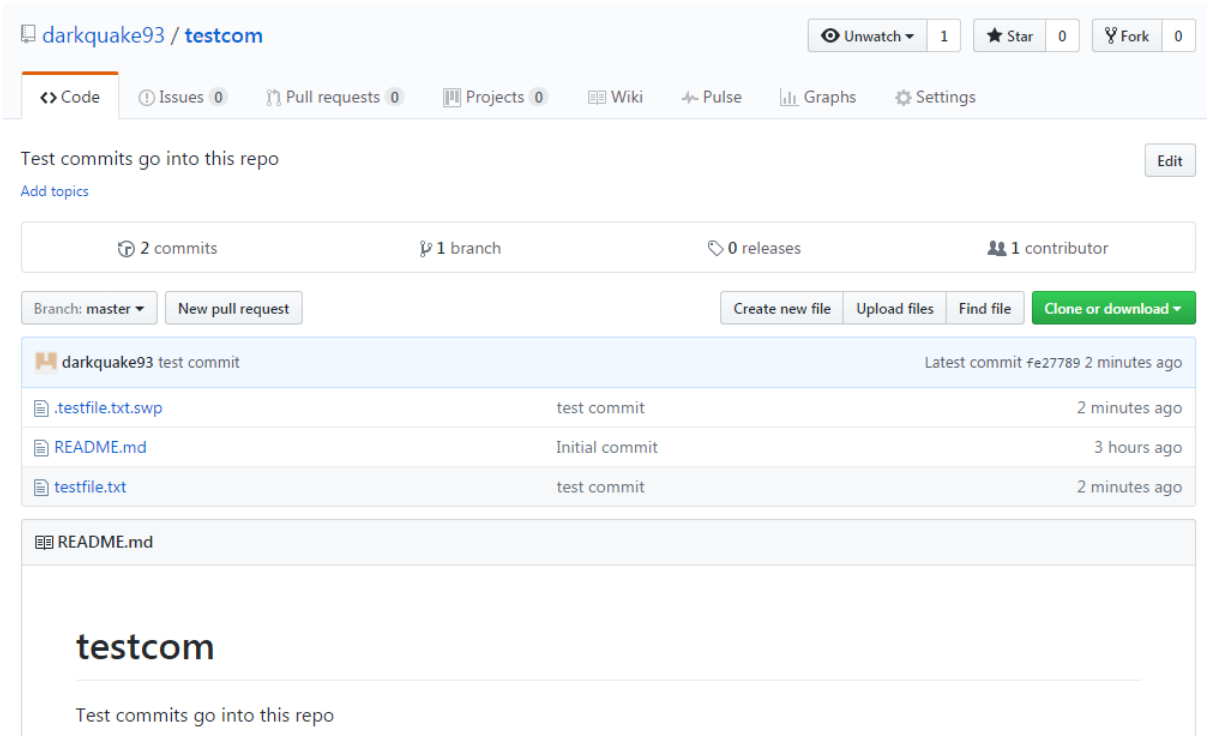
tor-11


E:\testcom - Commit - TortoiseGit
Commit to: master
new branch
Message:
test commit
1/12
Amend Last Commit
Set author date
20/04/2017
13:32:20
Set author
Add Signed-off-by
Changes made (double-click on file for diff):
Check: All None Unversioned Versioned Added Deleted Modified Files Submodules
Path
Extension
Status
Lines added
Lines removed
Not Versioned Files
.testfile.txt.swp
.swp
Unknown
testfile.txt
.txt
Unknown
2 files selected, 2 files total
Show Unversioned Files
Do not autoselect submodules
View Patch>>
Show Whole Project
Message only
Commit & Push
Cancel
Help

tor-12

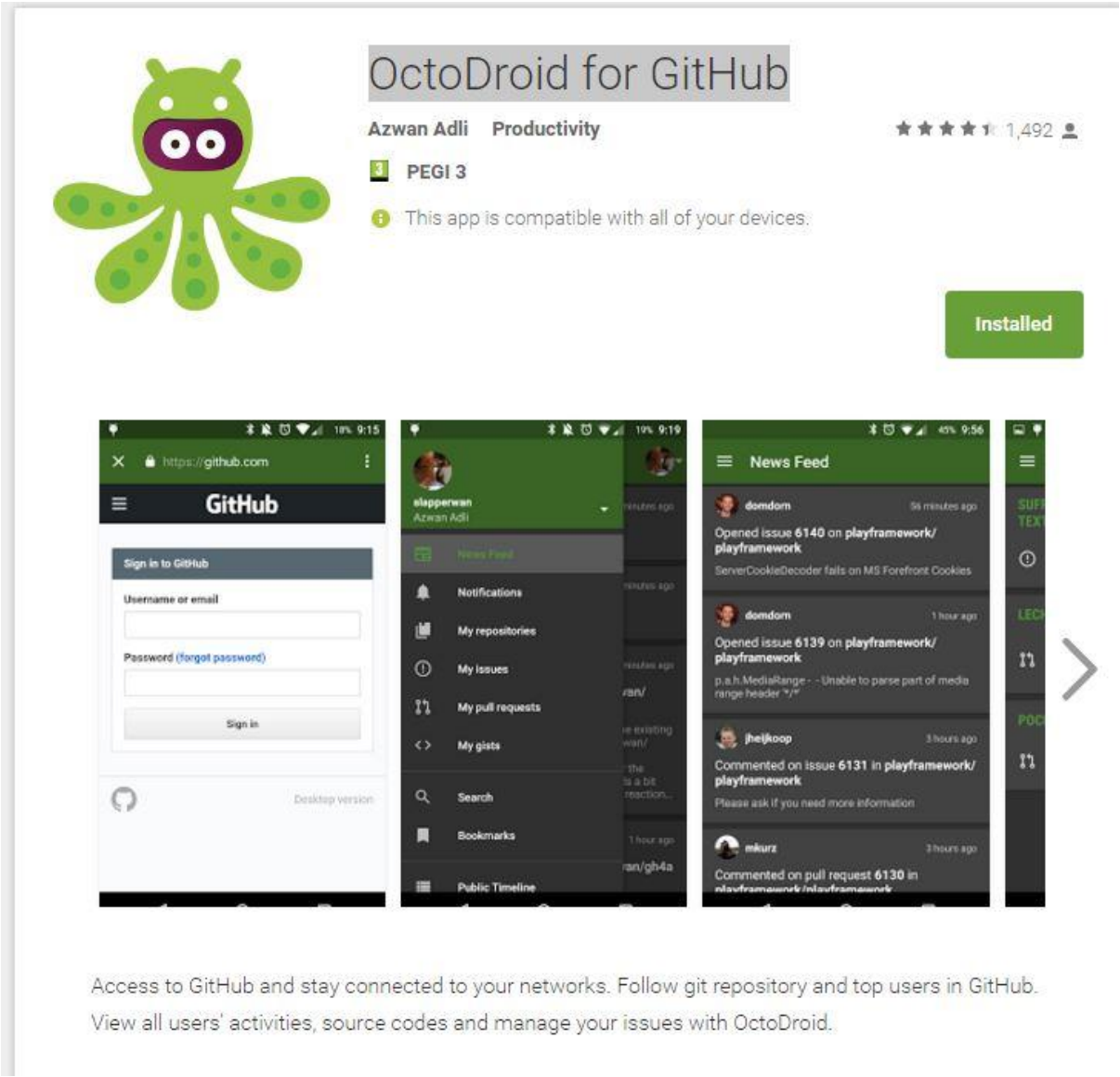

E:\testcom - Git Command Progress - TortoiseGit
Writing objects
git.exe push --progress "origin" master:master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 566 bytes | 0 bytes/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/darkquake93/testcom.git
f76109c..fe27789 master -> master
Success (10608 ms @ 20/04/2017 13:33:05)

tor-13

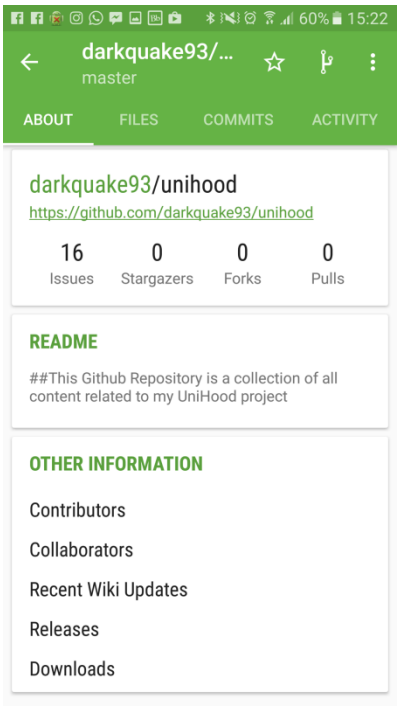

darkquake93 / testcom
Unwatch 1
Star 0
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Pulse
Graphs
Settings
Test commits go into this repo
Edit
Add topics
2 commits
1 branch
0 releases
1 contributor
Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download
darkquake93 test commit
Latest commit fe27789 2 minutes ago
.testfile.txt.swp test commit 2 minutes ago
README.md Initial commit 3 hours ago
testfile.txt test commit 2 minutes ago
README.md
testcom
Test commits go into this repo

OctoDroid

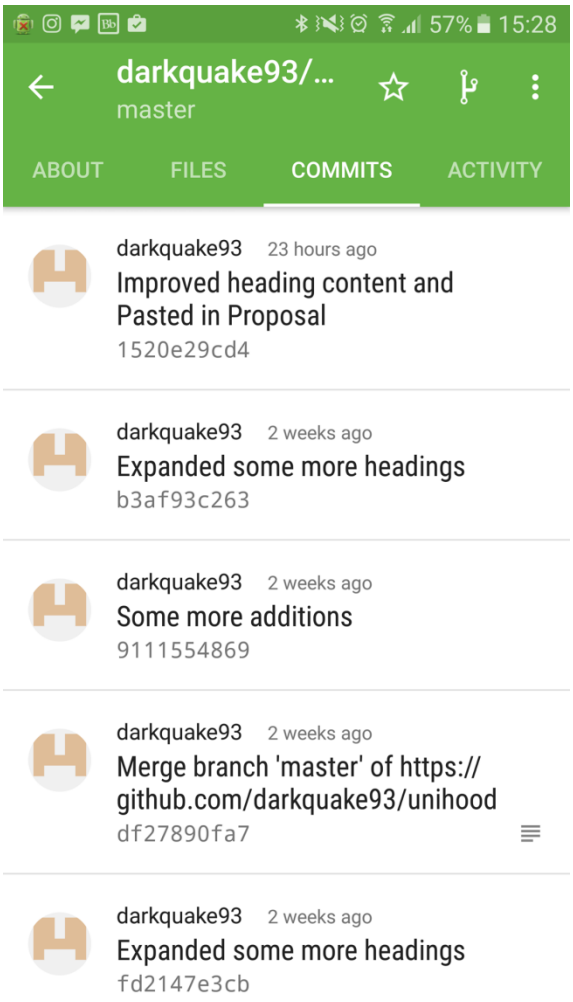
oct-1



oct-2

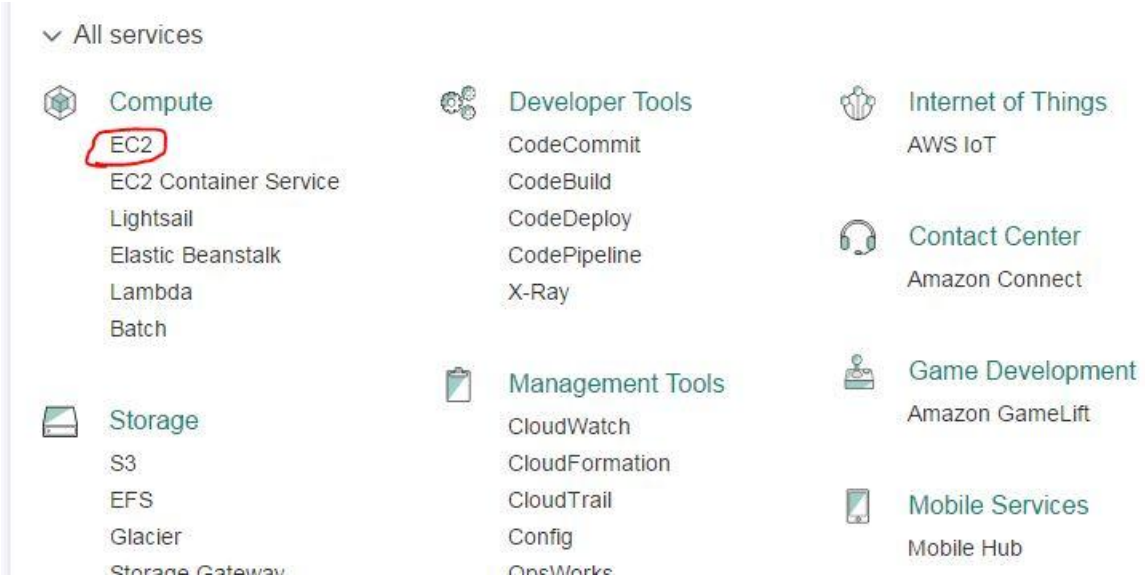

60% 15:22
darkquake93/...
master
ABOUT
FILES
COMMITS
ACTIVITY
darkquake93/unihood
https://github.com/darkquake93/unihood
16
Issues
0
Stargazers
0
Forks
0
Pulls
README
##This Github Repository is a collection of all content related to my UniHood project
OTHER INFORMATION
Contributors
Collaborators
Recent Wiki Updates
Releases
Downloads

oct-3


57% 15:28
darkquake93/...
master
ABOUT
FILES
COMMITS
ACTIVITY
darkquake93 23 hours ago
Improved heading content and Pasted in Proposal
1520e29cd4
darkquake93 2 weeks ago
Expanded some more headings
b3af93c263
darkquake93 2 weeks ago
Some more additions
9111554869
darkquake93 2 weeks ago
Merge branch 'master' of https://github.com/darkquake93/unihood
df27890fa7
darkquake93 2 weeks ago
Expanded some more headings
fd2147e3cb

SSH KeyPair Generation

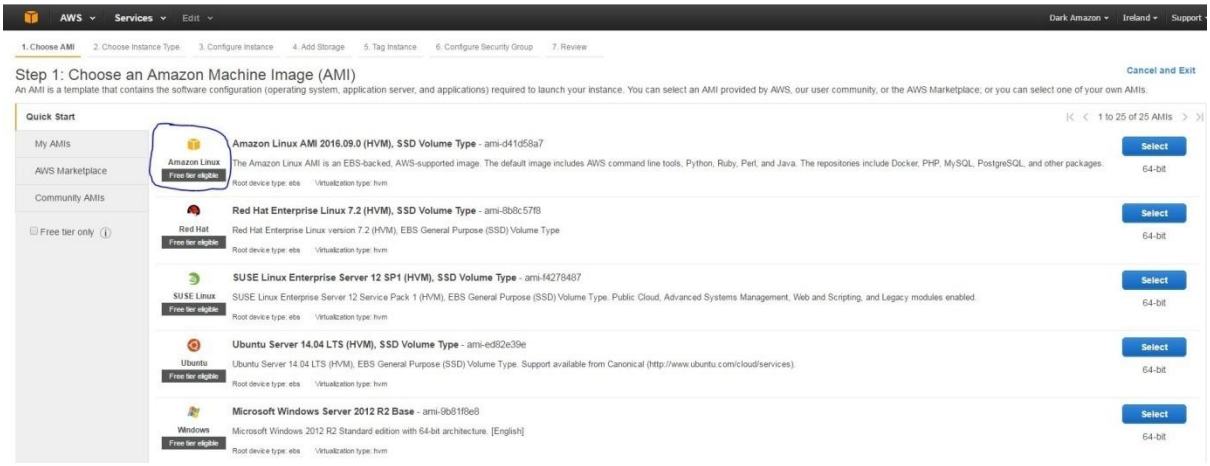
key-1



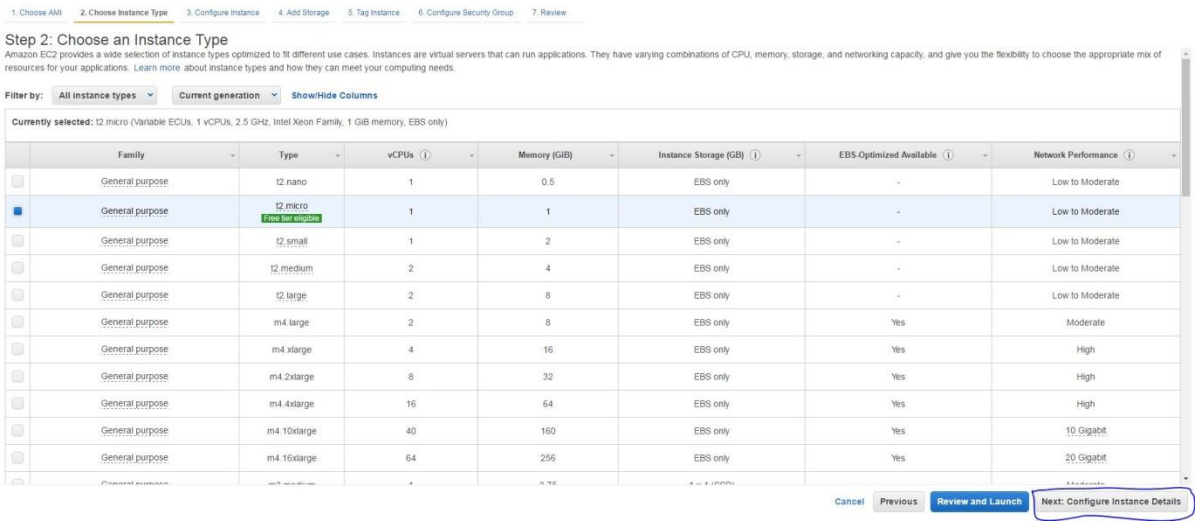
key-2

Amazon EC2 Instance Creation

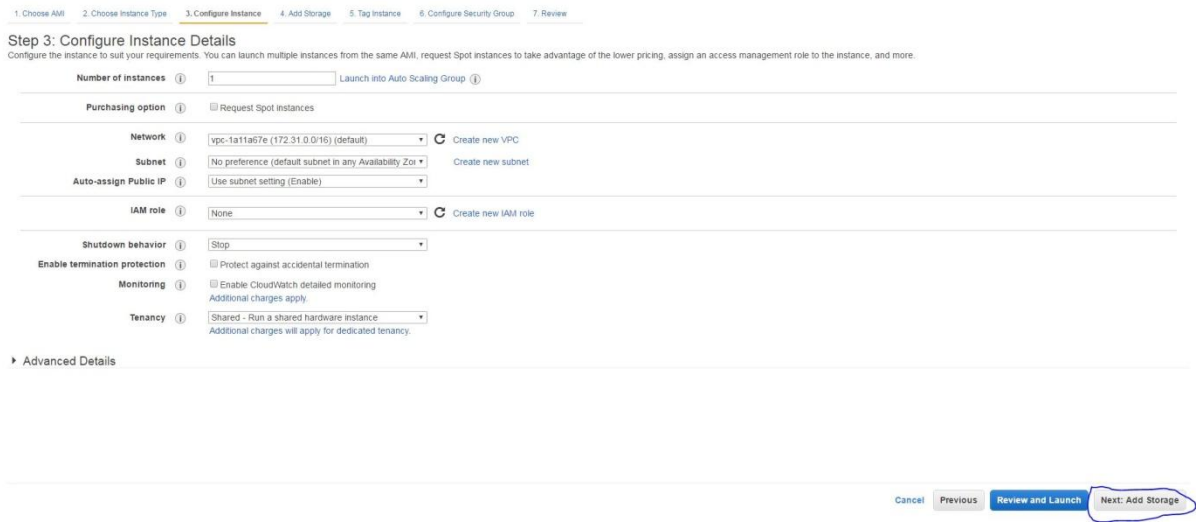
ec2-1



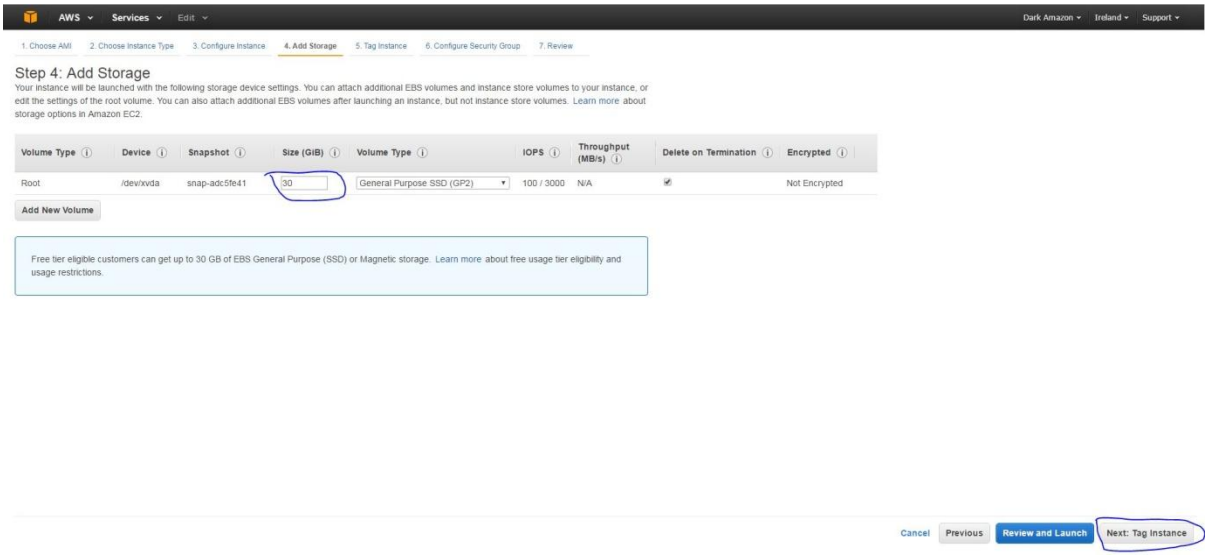
ec2-2



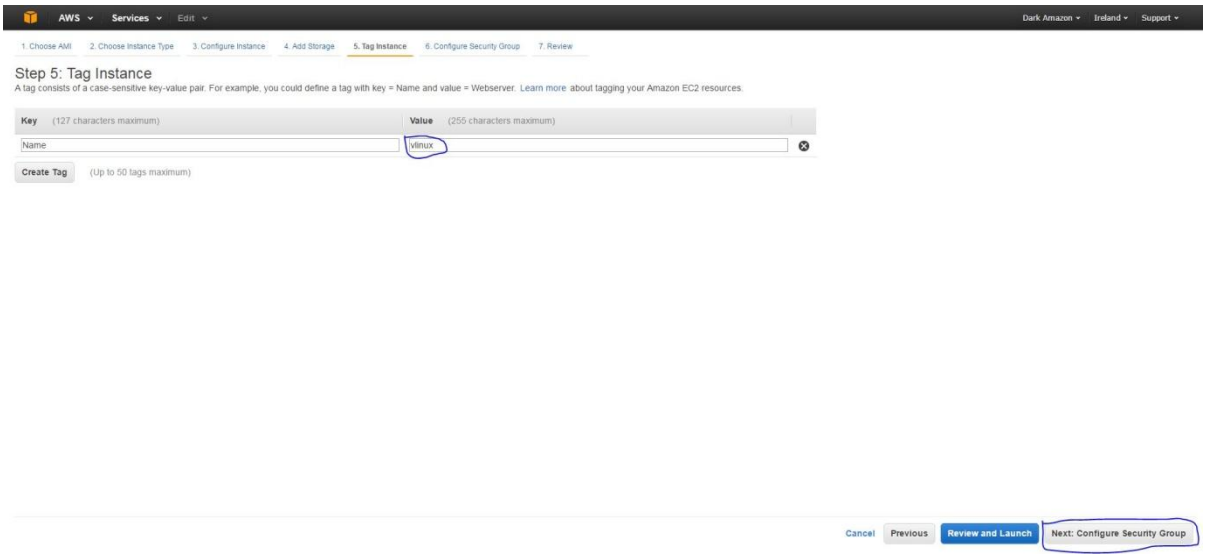
ec2-3


1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-1a11a67e (172.31.0.0/16) (default)
Create new VPC
Subnet
No preference (default subnet in any Availability Zo
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
IAM role
None
Create new IAM role
Shutdown behavior
Stop
Enable termination protection
Protect against accidental termination
Monitoring
Enable CloudWatch detailed monitoring
Additional charges apply.
Tenancy
Shared - Run a shared hardware instance
Additional charges will apply for dedicated tenancy.
Advanced Details
Cancel
Previous
Review and Launch
Next: Add Storage

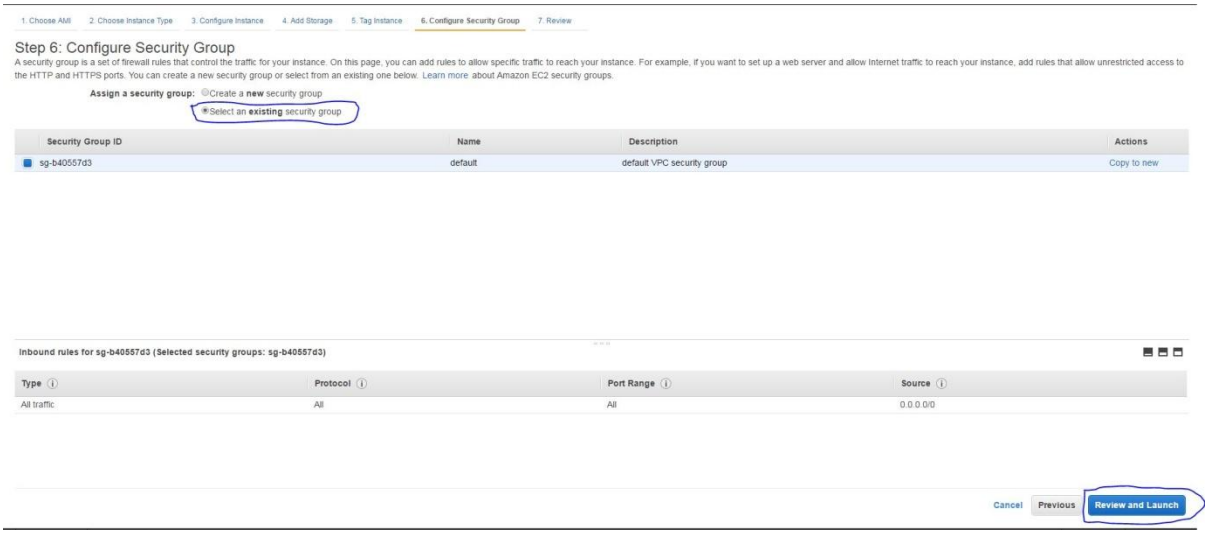
ec2-4


AWS
Services
Edit
Dark Amazon
Ireland
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encrypted
Root
/dev/xvda
snap-adc5fe41
30
General Purpose SSD (GP2)
100 / 3000
N/A
Not Encrypted
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Review and Launch
Next: Tag Instance

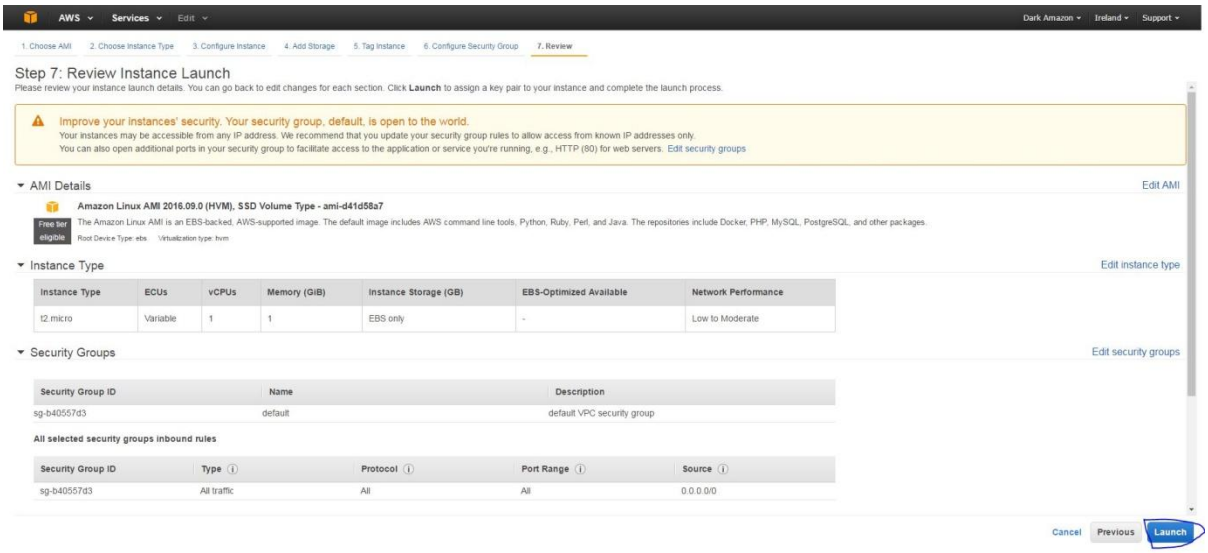
ec2-5


AWS
Services
Edit
Dark Amazon
Ireland
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 5: Tag Instance
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. Learn more about tagging your Amazon EC2 resources.
Key (127 characters maximum)
Value (255 characters maximum)
Name
vlinux
Create Tag
(Up to 50 tags maximum)
Cancel
Previous
Review and Launch
Next: Configure Security Group

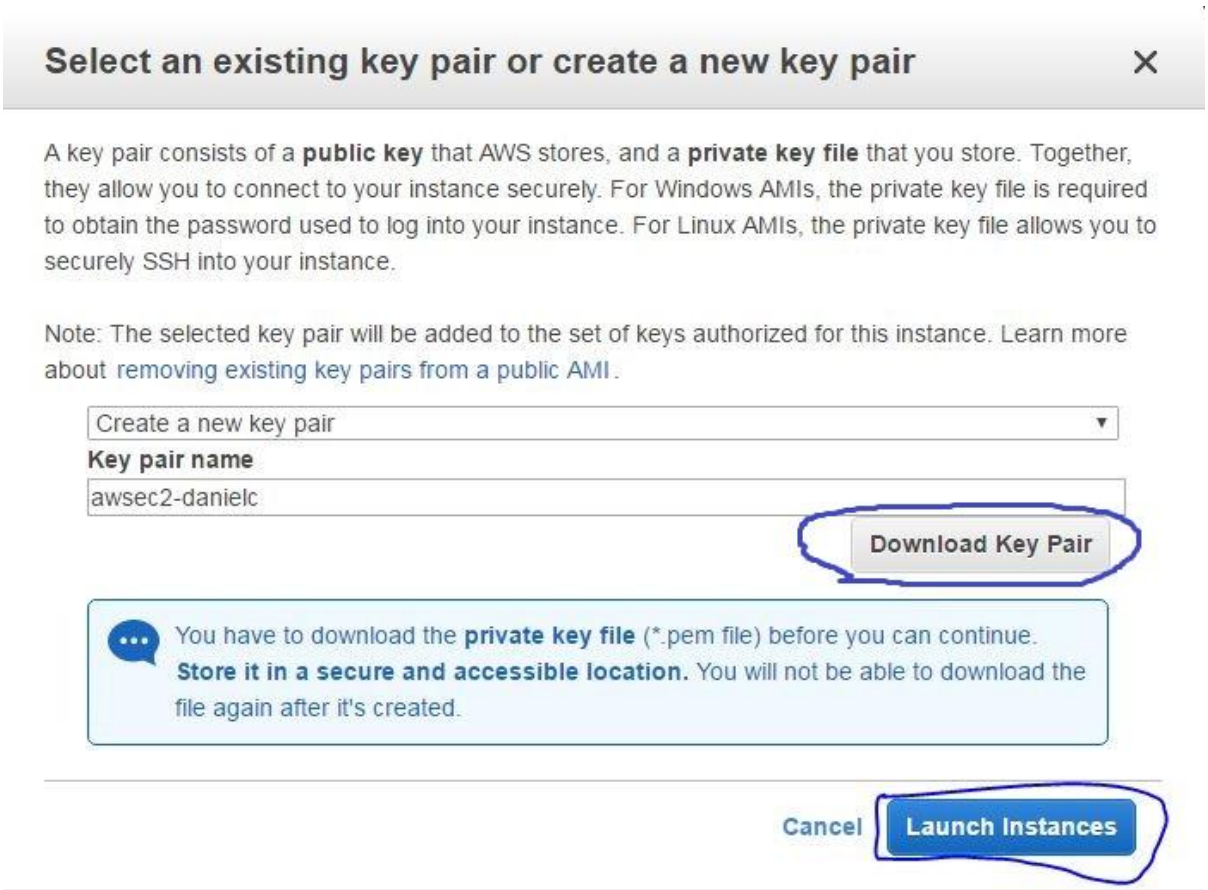
ec2-6


1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group:
Create a new security group
Select an existing security group
Security Group ID
Name
Description
Actions
sg-b40557d3
default
default VPC security group
Copy to new
Inbound rules for sg-b40557d3 (Selected security groups: sg-b40557d3)
Type
Protocol
Port Range
Source
All traffic
All
All
0.0.0.0/0
Cancel
Previous
Review and Launch

ec2-7

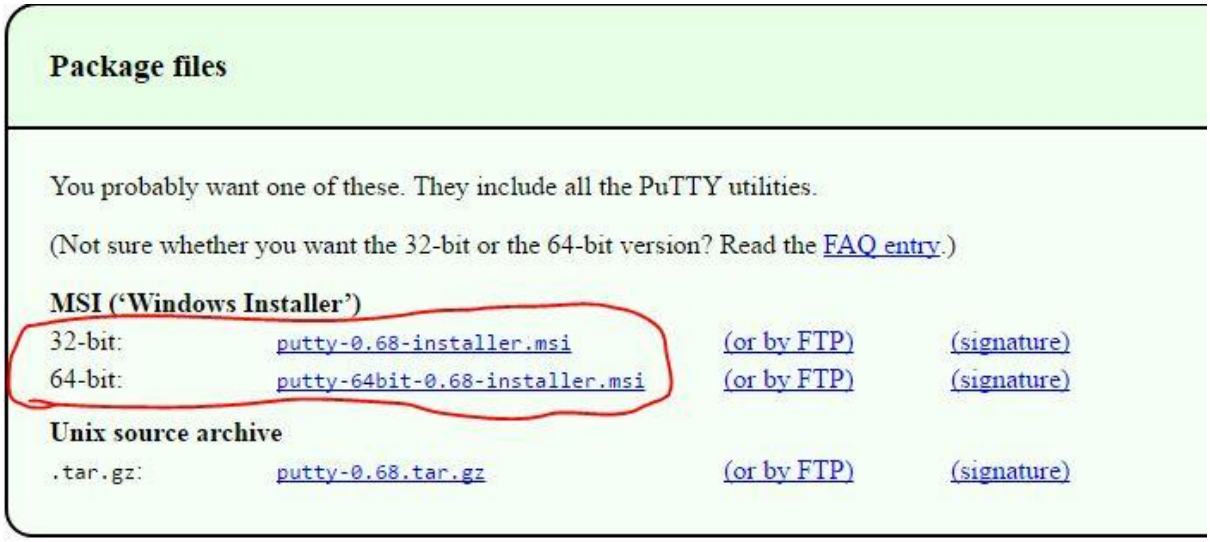

AWS
Services
Edit
Dark Amazon
Ireland
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, default, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
AMI Details
Edit AMI
Amazon Linux AMI 2016.09.0 (HVM), SSD Volume Type - ami-d41d58a7
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root Device Type: ebs Virtualization type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
t2.micro
Variable
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Security Group ID
Name
Description
sg-b40557d3
default
default VPC security group
All selected security groups inbound rules
Security Group ID
Type
Protocol
Port Range
Source
sg-b40557d3
All traffic
All
All
0.0.0.0/0
Cancel
Previous
Launch

ec2-8

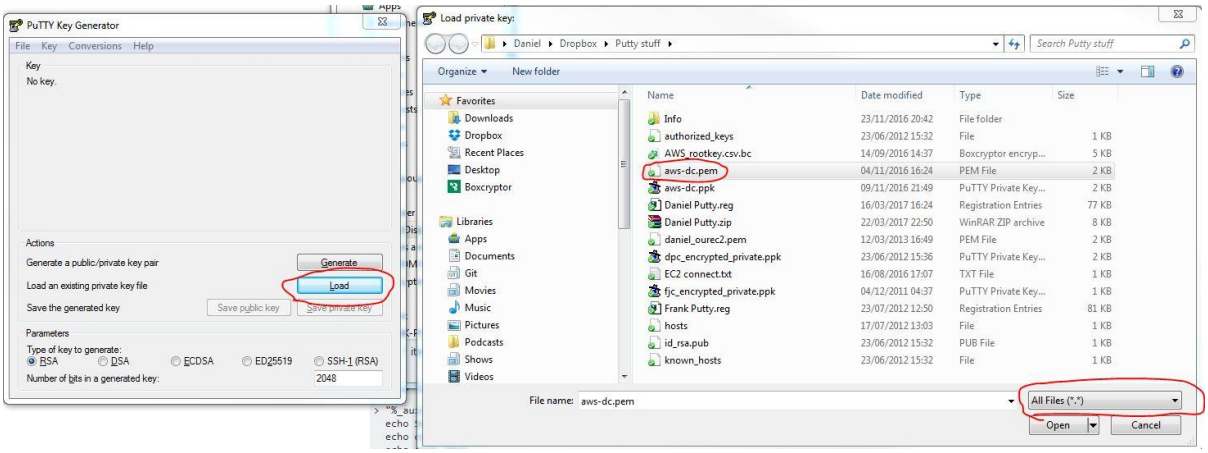

Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair name
awsec2-danielc
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances

Setting up Putty and Encrypted PPK File

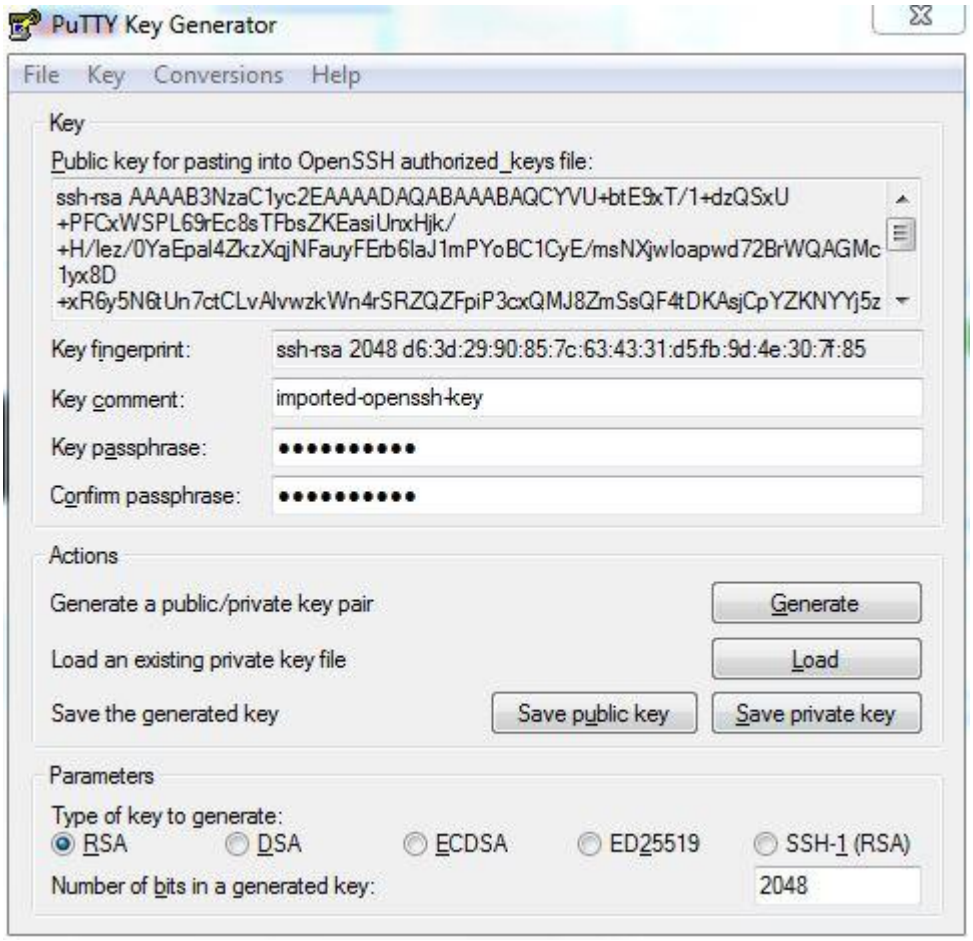
put-1



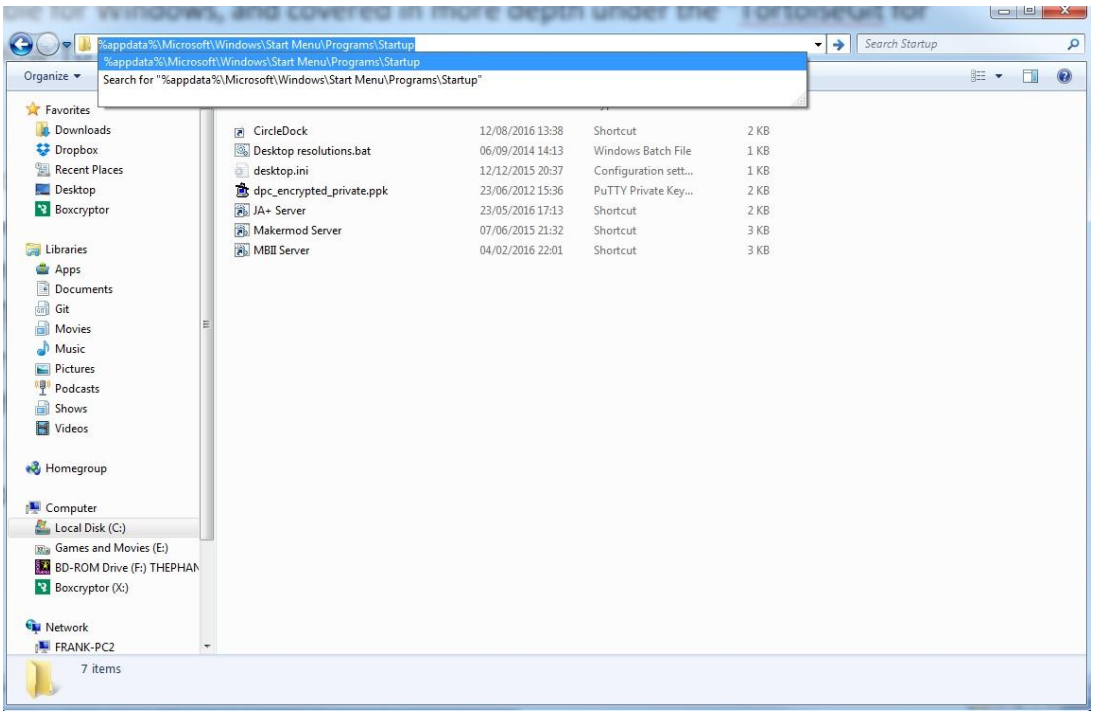
put-2



put-3


PuTTY Key Generator
File Key Conversions Help
Key
Public key for pasting into OpenSSH authorized_keys file:
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCYVU+btE9xT/1+dzQSxU
+PFCxWSPL69rEc8sTFbsZKEasiUnxHjk/
+H/lez/0YaEpal4ZkzXqjNFauyFErb6laJ1mPYoBC1CyE/msNXjwloapwd72BrWQAGMc
1yx8D
+xR6y5N6tUn7ctCLvAlvwzkWn4rSRZQZFpiP3cxQMJ8ZmSsQF4tDKAsjCpYZKNYYj5z
Key fingerprint:
ssh-rsa 2048 d6:3d:29:90:85:7c:63:43:31:d5:fb:9d:4e:30:7f:85
Key comment:
imported-openssh-key
Key passphrase:
Confirm passphrase:
Actions
Generate a public/private key pair
Generate
Load an existing private key file
Load
Save the generated key
Save public key
Save private key
Parameters
Type of key to generate:
RSA
DSA
ECDSA
ED25519
SSH-1 (RSA)
Number of bits in a generated key:
2048

put-4

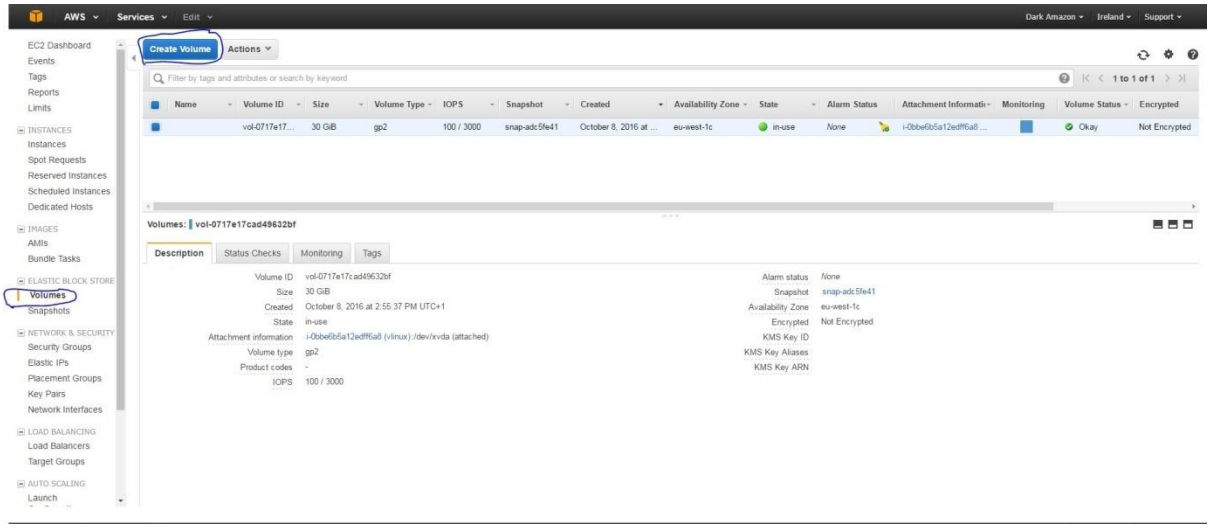

%appdata%\Microsoft\Windows\Start Menu\Programs\Startup
Search for "%appdata%\Microsoft\Windows\Start Menu\Programs\Startup"
Search Startup
Organize
Favorites
Downloads
Dropbox
Recent Places
Desktop
Boxcryptor
Libraries
Apps
Documents
Git
Movies
Music
Pictures
Podcasts
Shows
Videos
Homegroup
Computer
Local Disk (C:)
Games and Movies (E:)
BD-ROM Drive (F:) THEPHAN
Boxcryptor (X:)
Network
FRANK-PC2
CircleDock 12/08/2016 13:38 Shortcut 2 KB
Desktop resolutions.bat 06/09/2014 14:13 Windows Batch File 1 KB
desktop.ini 12/12/2015 20:37 Configuration sett... 1 KB
dpc_encrypted_private.ppk 23/06/2012 15:36 PuTTY Private Key... 2 KB
JA+ Server 23/05/2016 17:13 Shortcut 2 KB
Makermod Server 07/06/2015 21:32 Shortcut 3 KB
MBII Server 04/02/2016 22:01 Shortcut 3 KB
7 items

Connecting to the Instance

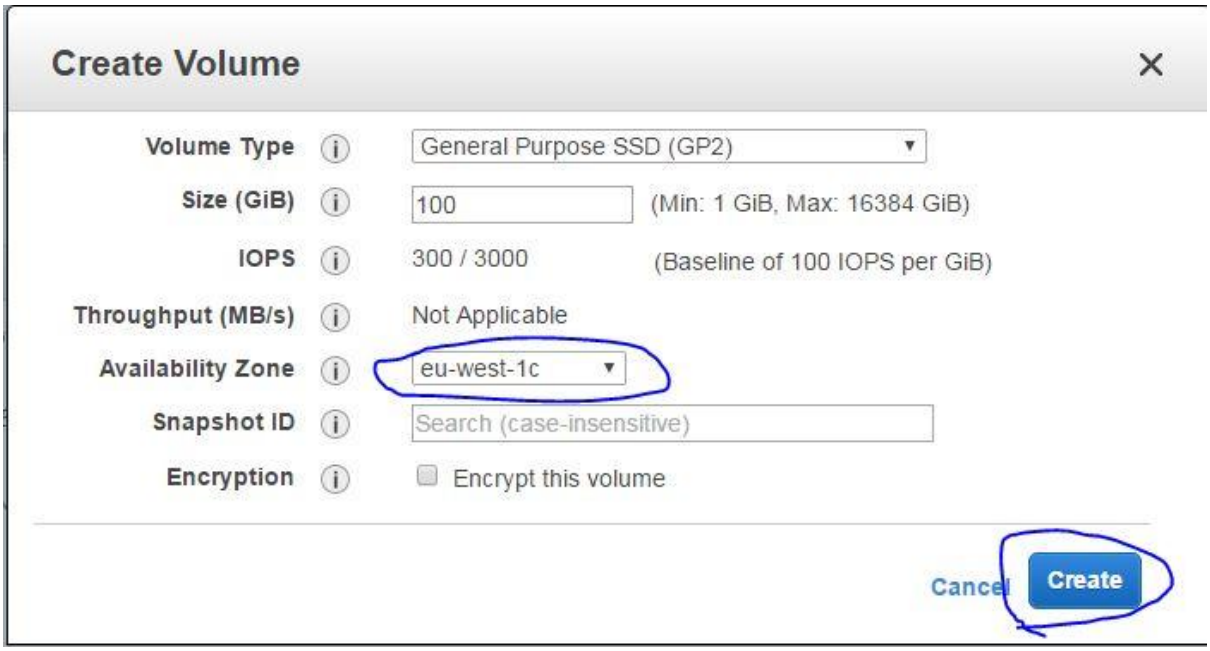
con-1

Creating / Removing EBS Volumes

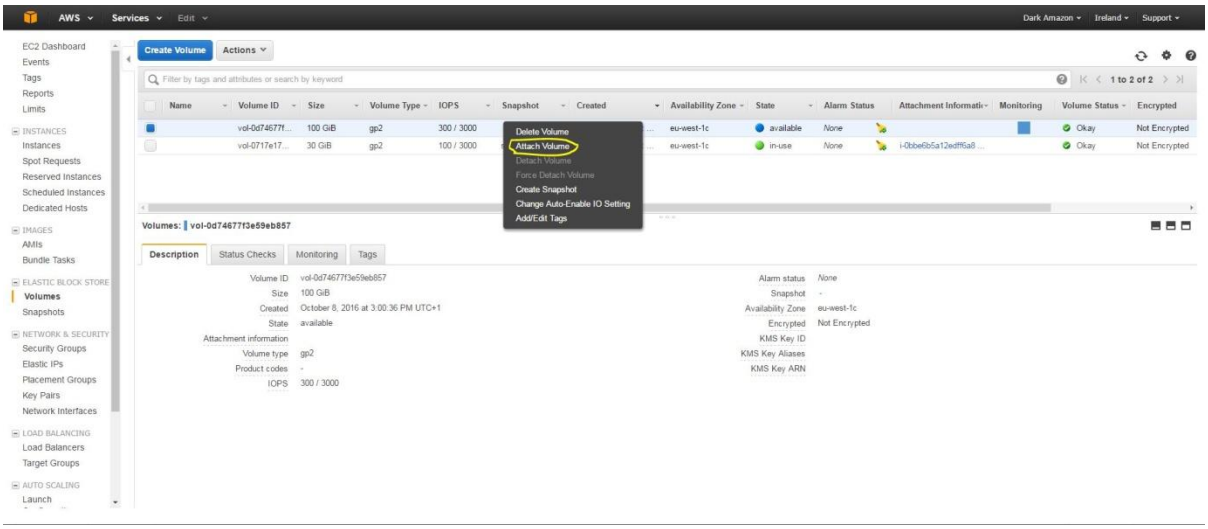
ec2-9



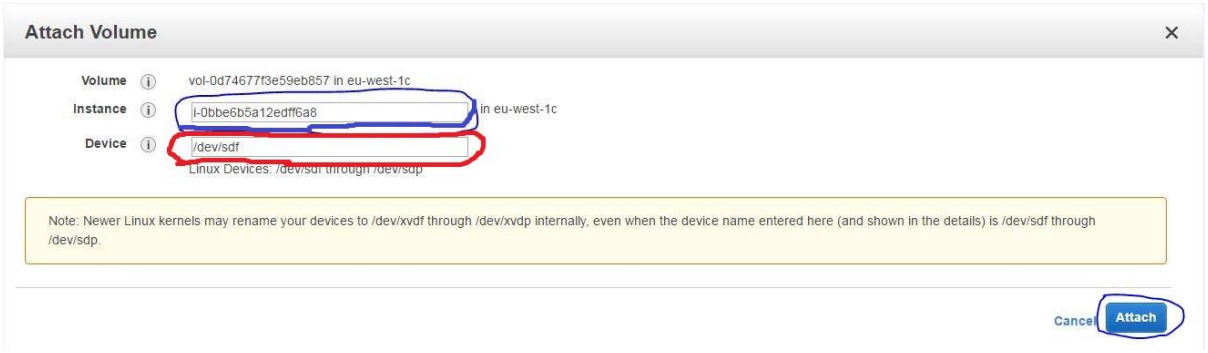
ec2-10



ec2-11

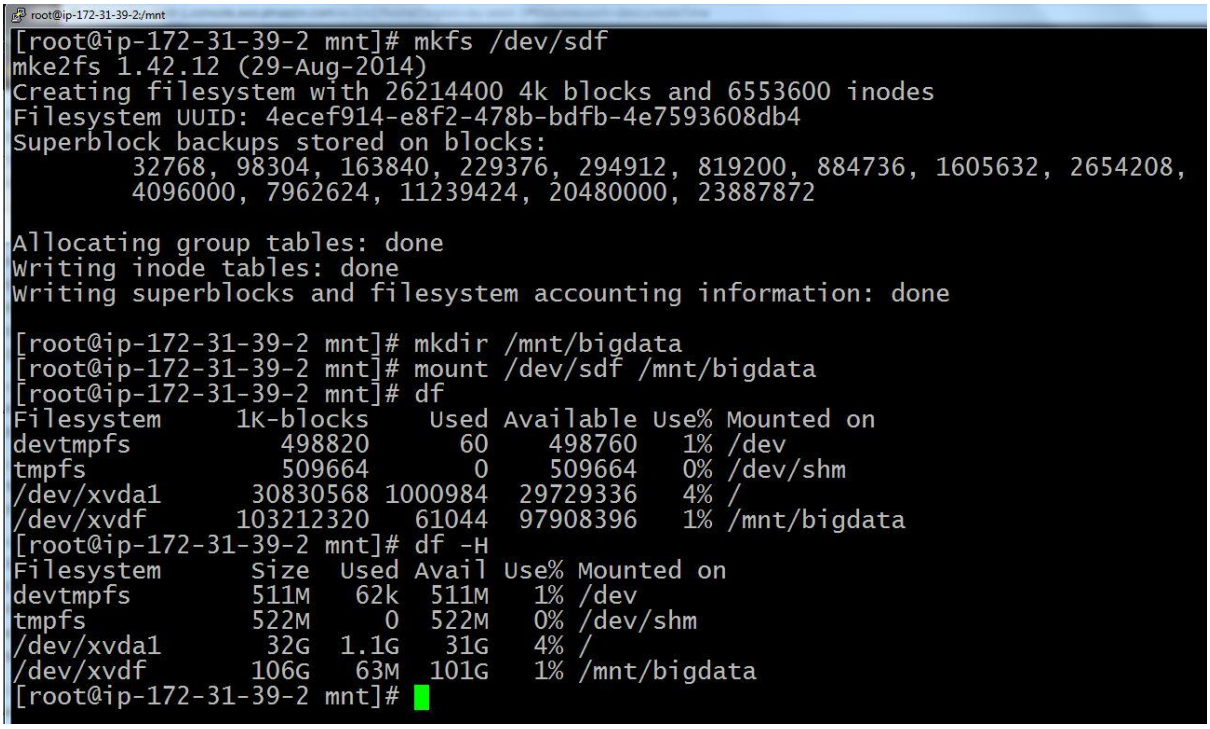

AWS
Services
Edit
Dark Amazon
Ireland
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch
Create Volume
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Volume ID
Size
Volume Type
IOPS
Snapshot
Created
Availability Zone
State
Alarm Status
Attachment Informati
Monitoring
Volume Status
Encrypted
vol-0d74677f...
100 GiB
gp2
300 / 3000
vol-0717e17...
30 GiB
gp2
100 / 3000
eu-west-1c
available
None
eu-west-1c
in-use
None
i-0bbe6b5a12edff6a8 ...
Okay
Not Encrypted
Okay
Not Encrypted
Delete Volume
Attach Volume
Detach Volume
Force Detach Volume
Create Snapshot
Change Auto-Enable IO Setting
Add/Edit Tags
Volumes: vol-0d74677f3e59eb857
Description
Status Checks
Monitoring
Tags
Volume ID vol-0d74677f3e59eb857
Size 100 GiB
Created October 8, 2016 at 3:00:36 PM UTC+1
State available
Attachment information
Volume type gp2
Product codes
IOPS 300 / 3000
Alarm status None
Snapshot
Availability Zone eu-west-1c
Encrypted Not Encrypted
KMS Key ID
KMS Key Aliases
KMS Key ARN

ec2-12

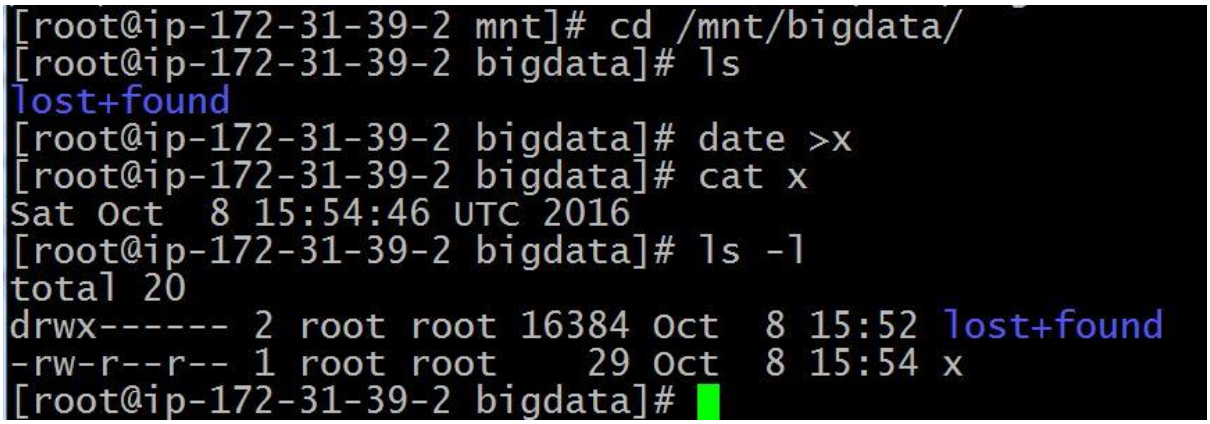

Attach Volume
Volume
vol-0d74677f3e59eb857 in eu-west-1c
Instance
i-0bbe6b5a12edff6a8
in eu-west-1c
Device
/dev/sdf
Linux Devices: /dev/sdf through /dev/sdp
Note: Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.
Cancel
Attach

Managing EBS Volumes

ec2-16

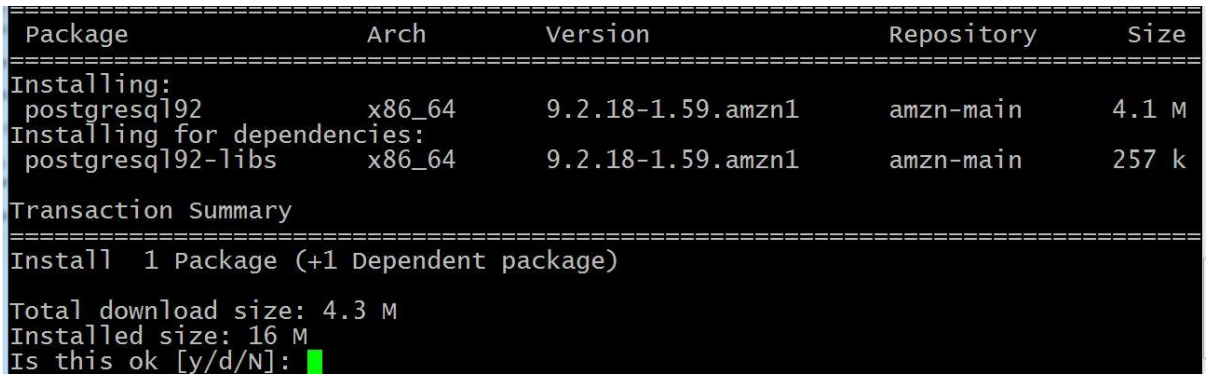


ec2-17

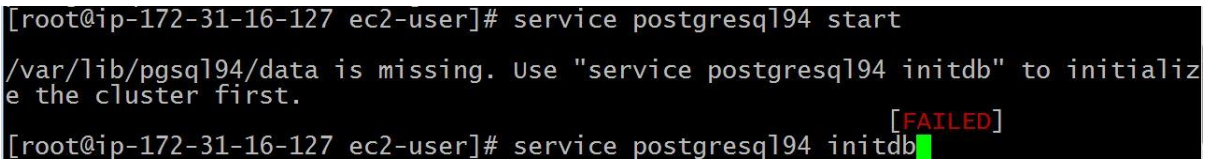


Installing Apache and PHP, and Managing the WebServer

pak-1



pak-2



Backup/Restore Test Data

bak-1

bak-2