

Screenshots

Contents

Amazon Billing.....	3
bil-1	3
Creating and Associating Elastic IP to Instance.....	4
ela-1	4
ela-2	4
AWS Console for Mobile	5
aws-1.....	5
aws-2.....	6
aws-3.....	7
TortoiseGit for Windows.....	8
tor-1	8
tor-2	8
tor-3	9
tor-4	9
tor-5	10
tor-6	11
tor-7	11
tor-8	12
tor-9	13
tor-10	14
tor-11	14
tor-12	15
tor-13	15
OctoDroid.....	16
oct-1	16
oct-2	17
oct-3	17
SSH KeyPair Generation	18
key-1.....	18
key-2.....	18

Amazon EC2 Instance Creation	19
ec2-1.....	19
ec2-2.....	19
ec2-3.....	19
ec2-4.....	20
ec2-5.....	20
ec2-6.....	21
ec2-7.....	21
ec2-8.....	22
Setting up Putty and Encrypted PPK File	23
put-1.....	23
put-2.....	23
put-3.....	24
put-4.....	24
Connecting to the Instance	25
con-1	25
Creating / Removing EBS Volumes.....	26
ec2-9.....	26
ec2-10	26
ec2-11	27
ec2-12	27
Managing EBS Volumes.....	28
ec2-16	28
ec2-17	28
Installing Apache and PHP, and Managing the WebServer	29
pak-1	29
pak-2	29
Backup/Restore Test Data	30
bak-1	30
bak-2	30

Amazon Billing

bil-1

Bills

Date: March 2017[Download CSV](#)[Print](#)

Summary	Exchange Rate	GBP	USD
AWS Service Charges	0.8062401164	10.64	13.20
▶ Usage Charges and Recurring Fees View Invoices	0.8062401164	10.64	13.20
Other Details			
▶ Payment Summary	--	10.64	13.20
▶ Tax Invoices View Invoices			
Total		10.64	13.20

[+ Expand All](#)

Creating and Associating Elastic IP to Instance

ela-1

[Addresses](#) > Allocate new address

Allocate new address

✓ New address request succeeded

Elastic IP 52.30.229.248

Close

ela-2

[Addresses](#) > Associate address

Associate address

Select the instance OR network interface to which you want to associate this Elastic IP address (52.30.229.248)

Resource type ☒ Instance ⓘ
☐ Network interface

Instance ⓘ

Private IP ⓘ ⓘ

Reassociation ☐ Allow Elastic IP to be reassociated if already attached ⓘ

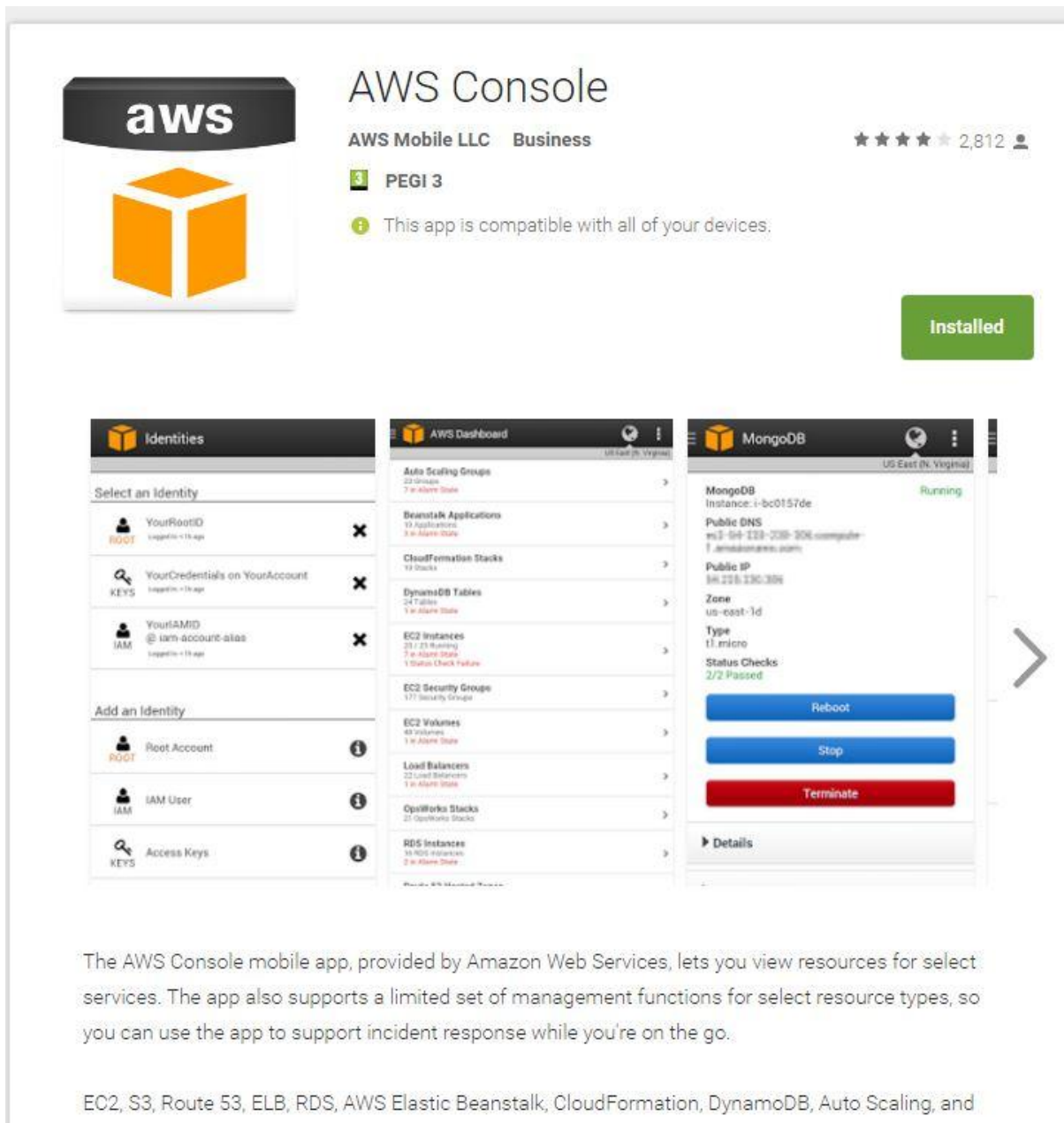
⚠ **Warning**
If you associate an Elastic IP address with your instance, your current public IP address is released. [Learn more](#).

* Required

Cancel **Associate**

AWS Console for Mobile

aws-1



The screenshot displays the AWS Console mobile app interface. At the top, the app's logo (an orange cube with 'aws' in white) is shown next to the title 'AWS Console'. Below the title, it indicates 'AWS Mobile LLC Business' and a rating of 4.5 stars from 2,812 reviews. A green badge shows 'PEGI 3' and a note states 'This app is compatible with all of your devices.' A green 'Installed' button is visible on the right.

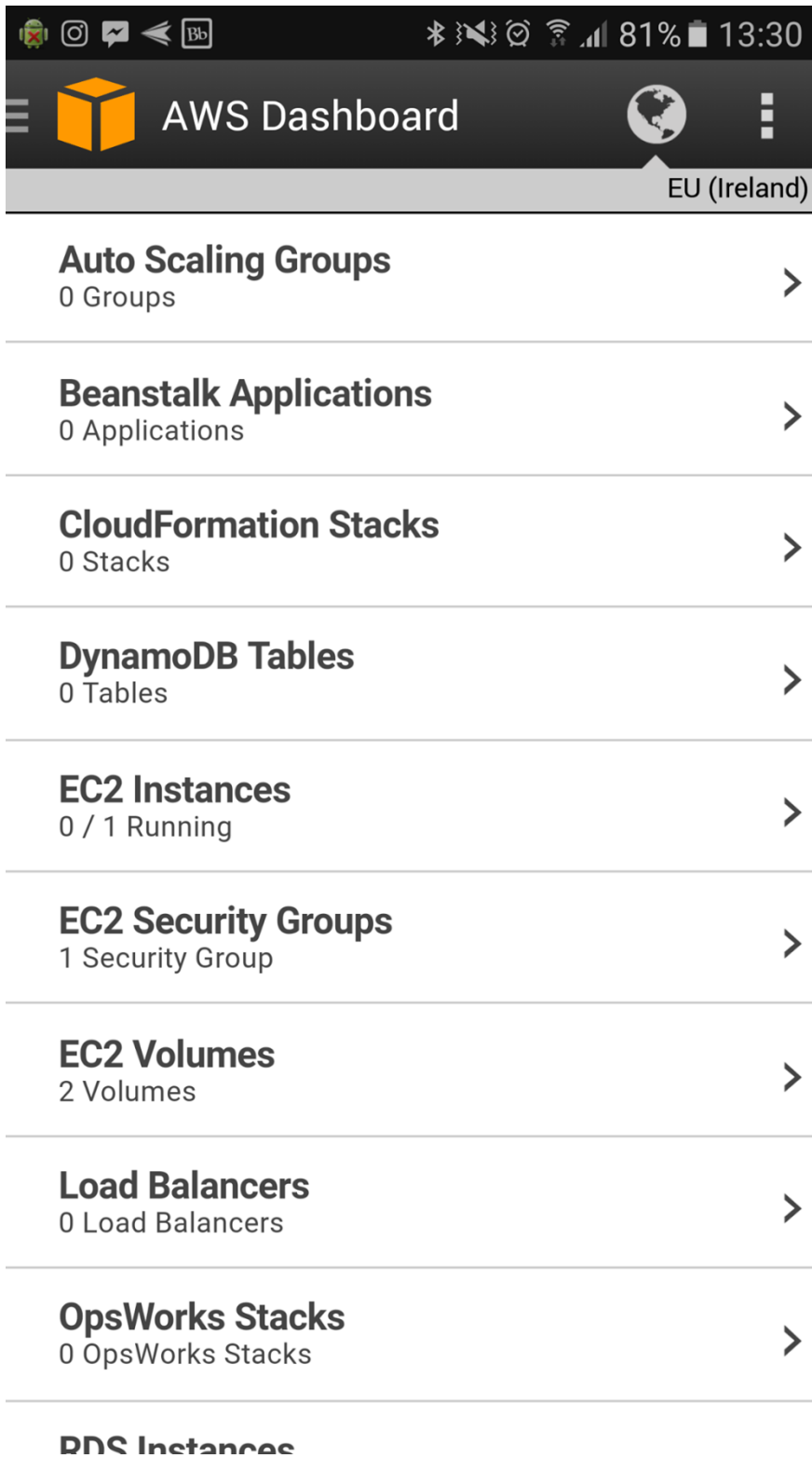
Below the main header, three preview windows are shown, each with a right-pointing arrow:

- Identities:** A screen titled 'Select an Identity' with options: 'YourRootID' (logged in 1h ago), 'YourCredentials on YourAccount' (logged in 1h ago), and 'YourIAMID @ iam-account-alias' (logged in 1h ago). Below these is an 'Add an Identity' section with 'Root Account', 'IAM User', and 'Access Keys'.
- AWS Dashboard:** A screen showing a list of AWS resources with their counts and status: 'Auto Scaling Groups' (20 Groups, 7 in Alarm State), 'Elastic Beanstalk Applications' (10 Applications, 3 in Alarm State), 'CloudFormation Stacks' (10 Stacks), 'DynamoDB Tables' (24 Tables, 1 in Alarm State), 'EC2 Instances' (28 / 23 Running, 7 in Alarm State, 1 Status Check Failure), 'EC2 Security Groups' (177 Security Groups), 'EC2 Volumes' (49 Volumes, 1 in Alarm State), 'Load Balancers' (22 Load Balancers, 1 in Alarm State), 'OpsWorks Stacks' (20 OpsWorks Stacks), and 'RDS Instances' (18 RDS Instances, 2 in Alarm State).
- MongoDB:** A screen showing details for a MongoDB instance 'i-bc0157de' in 'Running' state. It lists 'Public DNS' (en3-504-133-238-306.compute-1.amazonaws.com), 'Public IP' (54.236.130.306), 'Zone' (us-east-1d), and 'Type' (t1.micro). It shows 'Status Checks' as '2/2 Passed' and includes buttons for 'Reboot', 'Stop', and 'Terminate'. A 'Details' link is at the bottom.

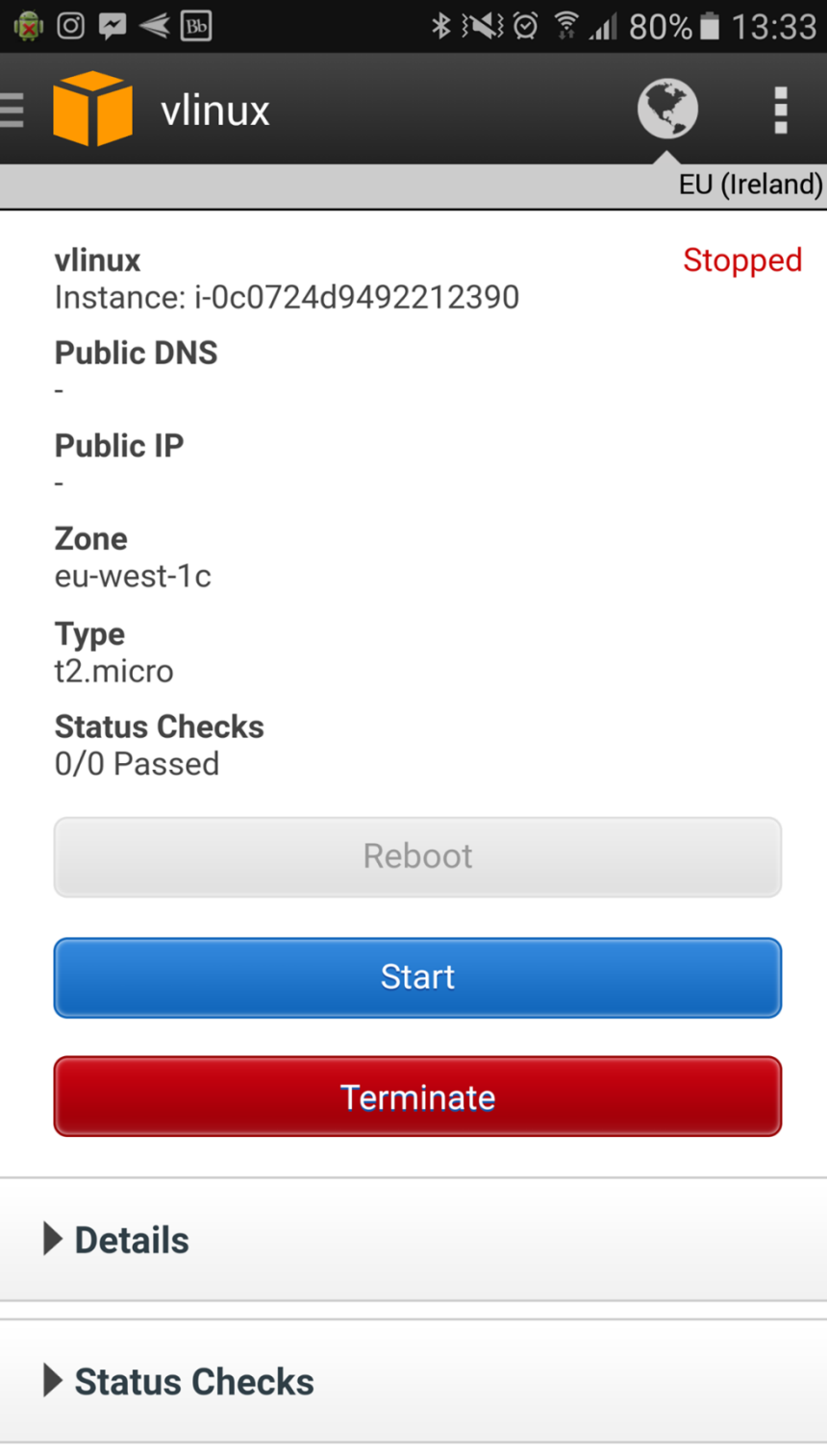
The AWS Console mobile app, provided by Amazon Web Services, lets you view resources for select services. The app also supports a limited set of management functions for select resource types, so you can use the app to support incident response while you're on the go.

EC2, S3, Route 53, ELB, RDS, AWS Elastic Beanstalk, CloudFormation, DynamoDB, Auto Scaling, and

aws-2



aws-3



The screenshot shows the AWS Management Console interface for an EC2 instance. At the top, there's a header bar with the 'vlinux' logo and a globe icon indicating the region 'EU (Ireland)'. Below the header, the instance name 'vlinux' is displayed in bold, followed by its ID 'i-0c0724d9492212390'. The status is shown as 'Stopped' in red text. Below this, several attributes are listed: 'Public DNS' with a hyphen, 'Public IP' with a hyphen, 'Zone' as 'eu-west-1c', 'Type' as 't2.micro', and 'Status Checks' as '0/0 Passed'. Three action buttons are visible: 'Reboot' (grey), 'Start' (blue), and 'Terminate' (red). At the bottom, there are two expandable sections: 'Details' and 'Status Checks', both with a right-pointing triangle icon.

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

Download

The current stable version is: 2.4.0

For detailed info on what's new, read the [release notes](#).

[FAQ: System prerequisites and installation](#) - This version doesn't run on Windows XP and Server 2003, use [1.8.16.0](#) instead.

Known issue (if you do not yet run 2.4.0.2): In order to fix issue [#2909](#) (Commit dialog unclosable), issue [#2911](#) (Add returns "invalid path") and a security fix for PuTTY there is a [Hotfix available](#) (2 MiB, incremental patch from 2.4.0.0).

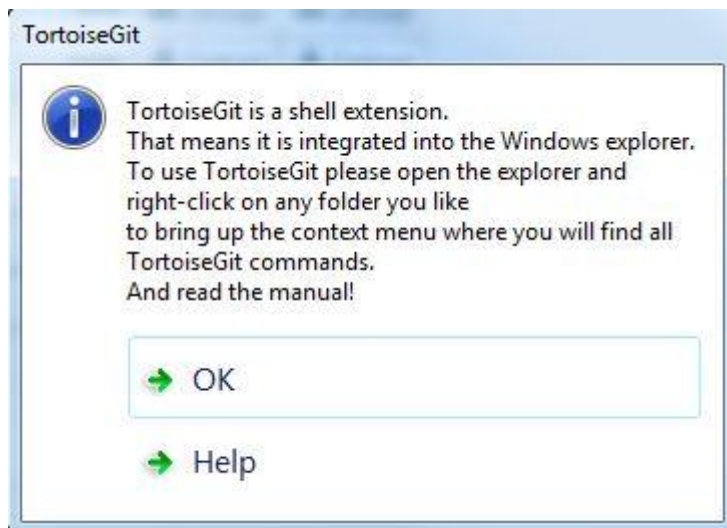
Donate

Please make sure that you choose the right installer for your PC, otherwise the setup will fail.

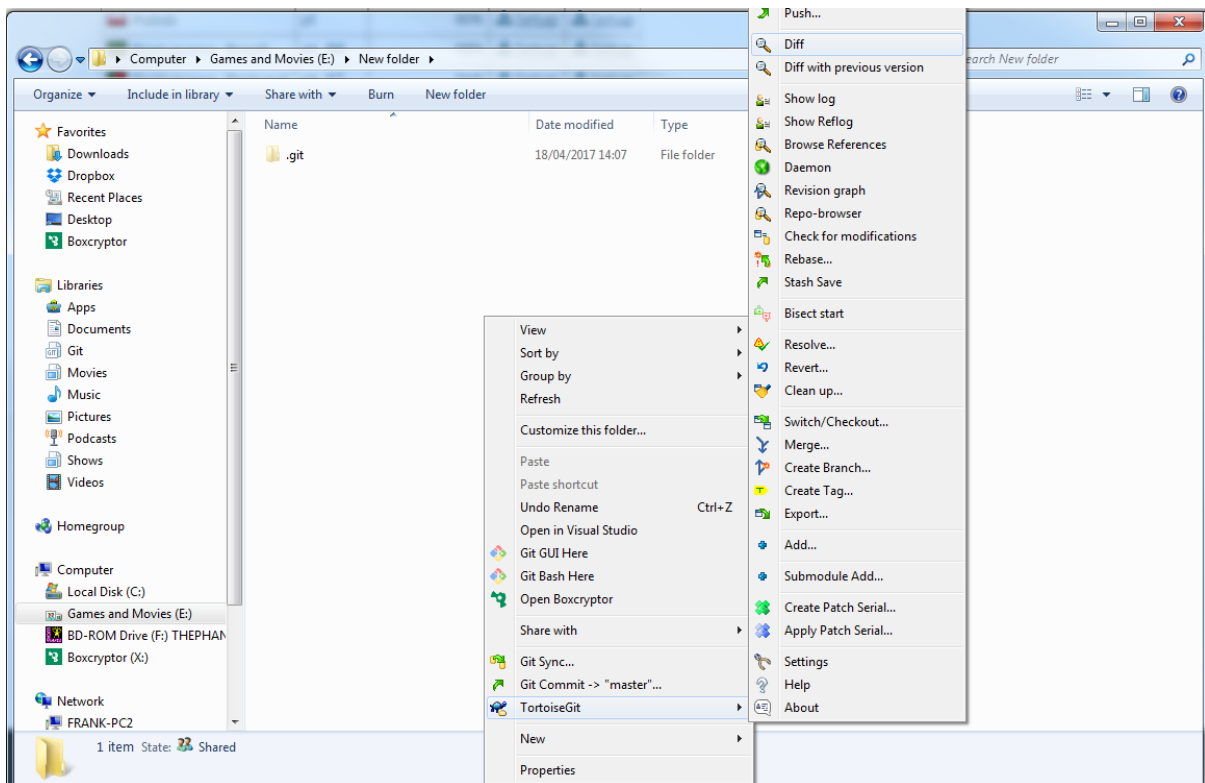
for 32-bit OS	for 64-bit OS
Download TortoiseGit 2.4.0.2 - 32-bit (~16.3 MiB)	Download TortoiseGit 2.4.0.2 - 64-bit (~19.1 MiB)

Before reporting an issue, please check that your problem isn't fixed in our latest [preview release](#). Also see [What to do if a crash happened?](#)

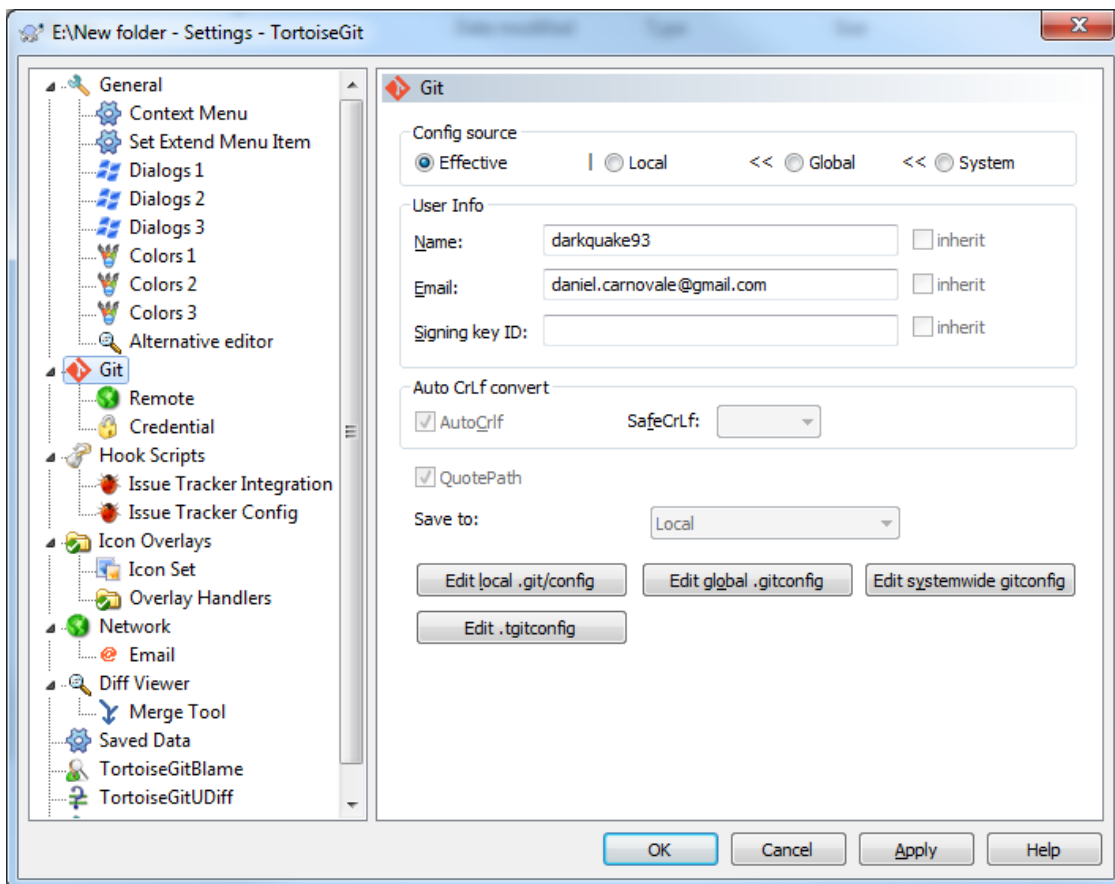
tor-2



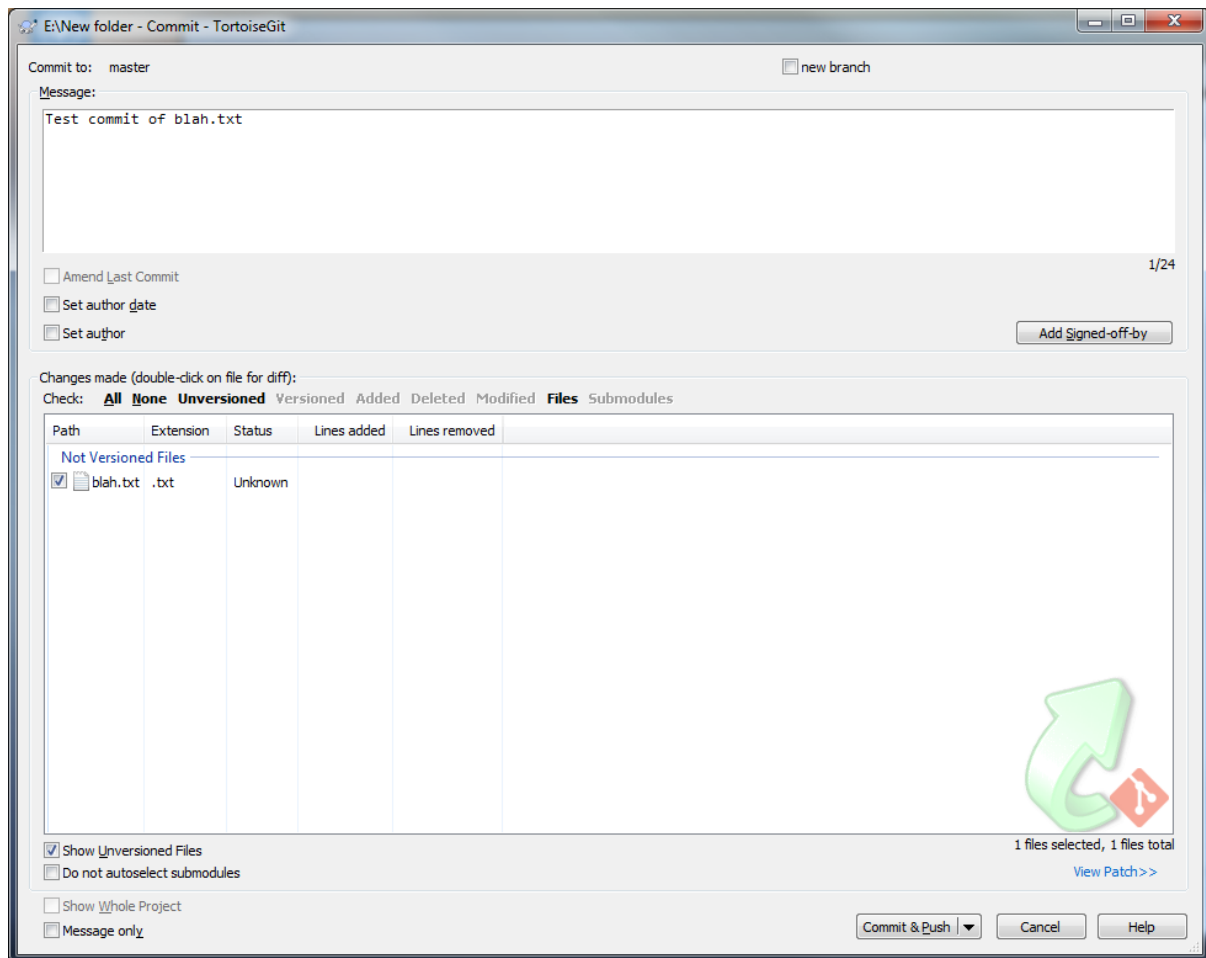
tor-3



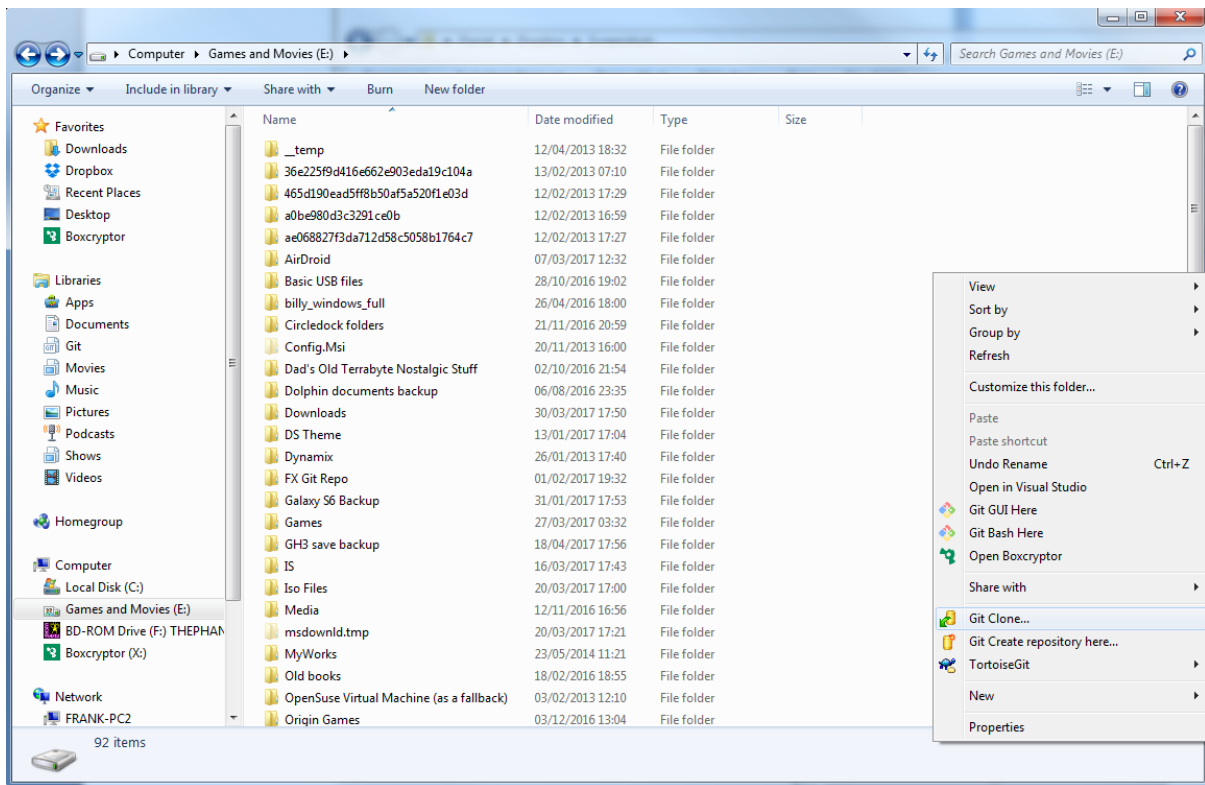
tor-4



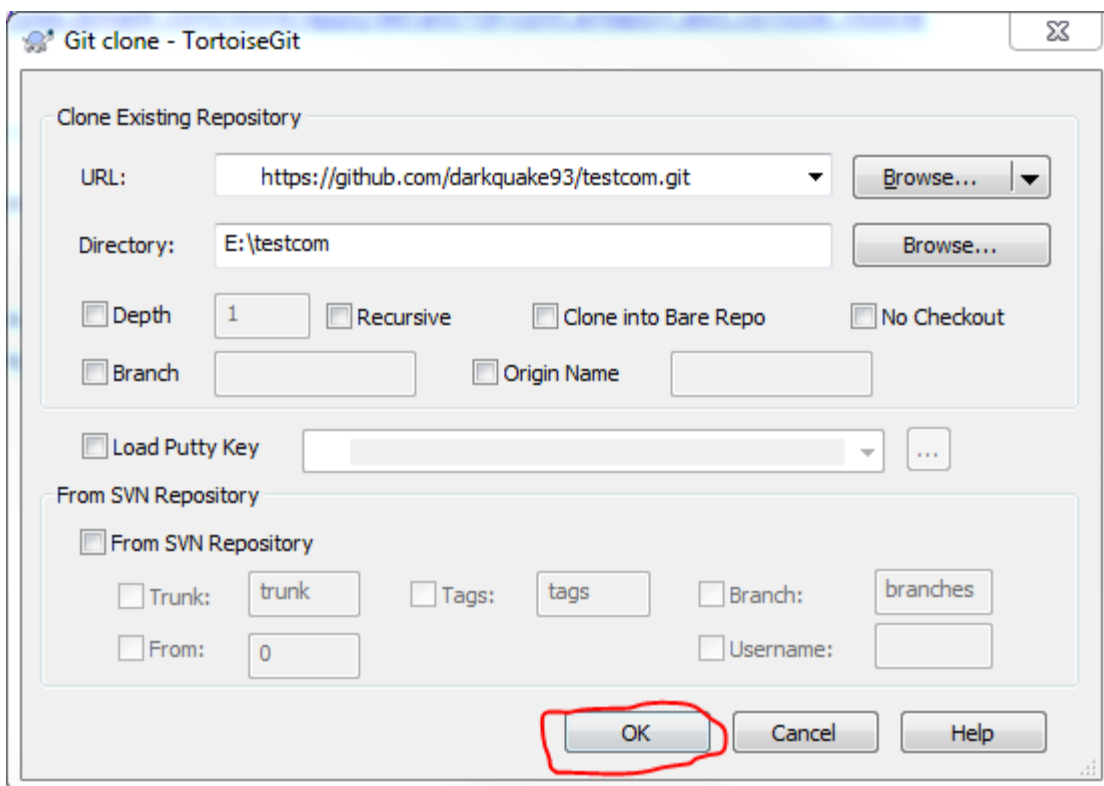
tor-5



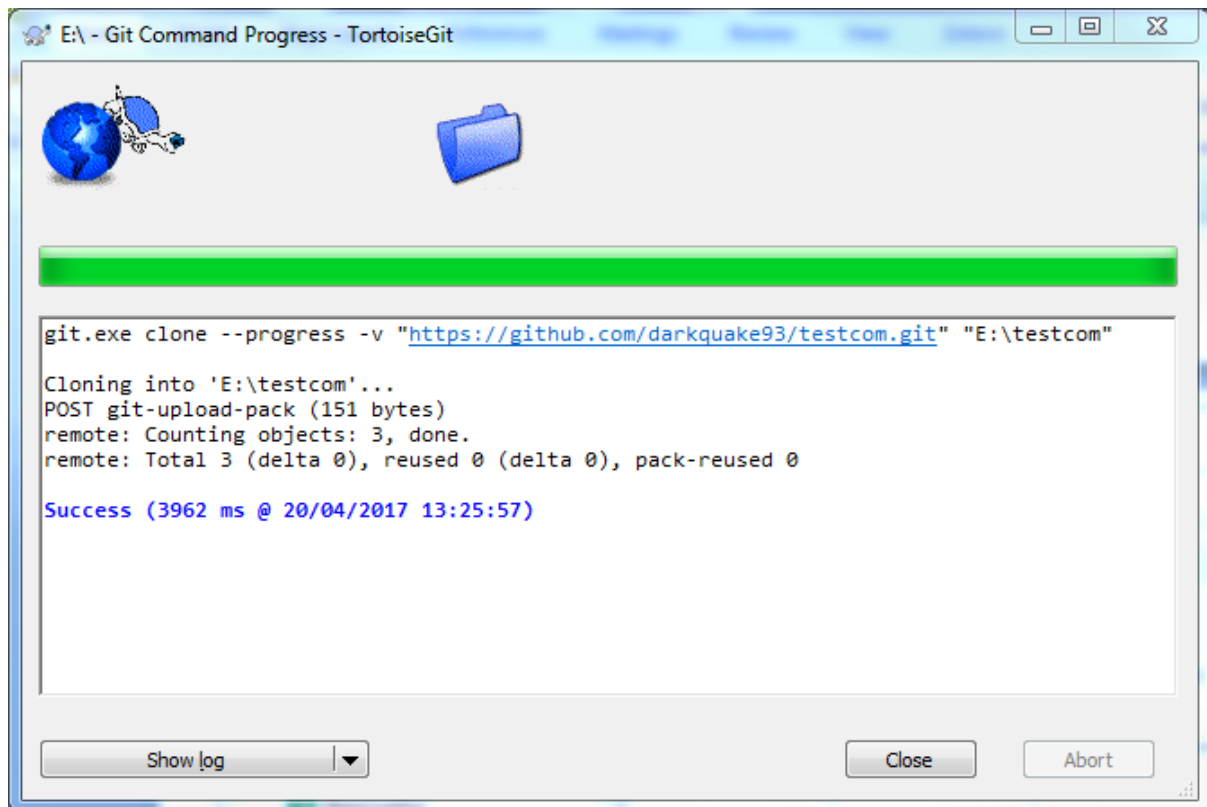
tor-6



tor-7

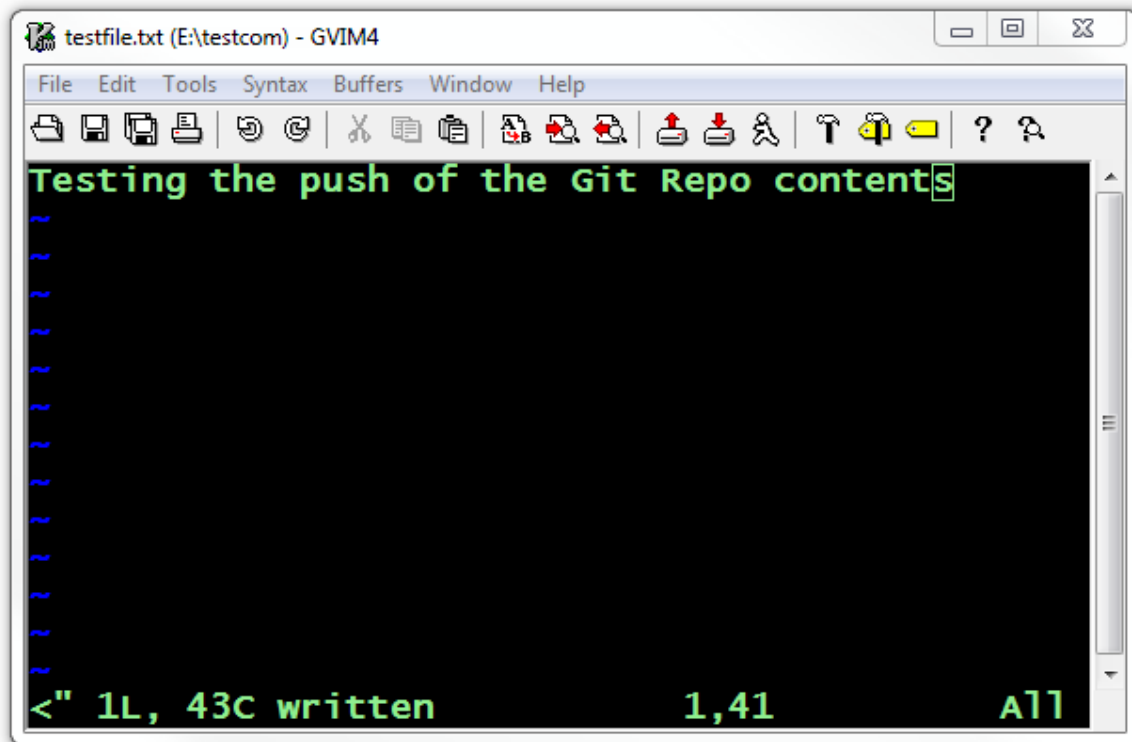


tor-8

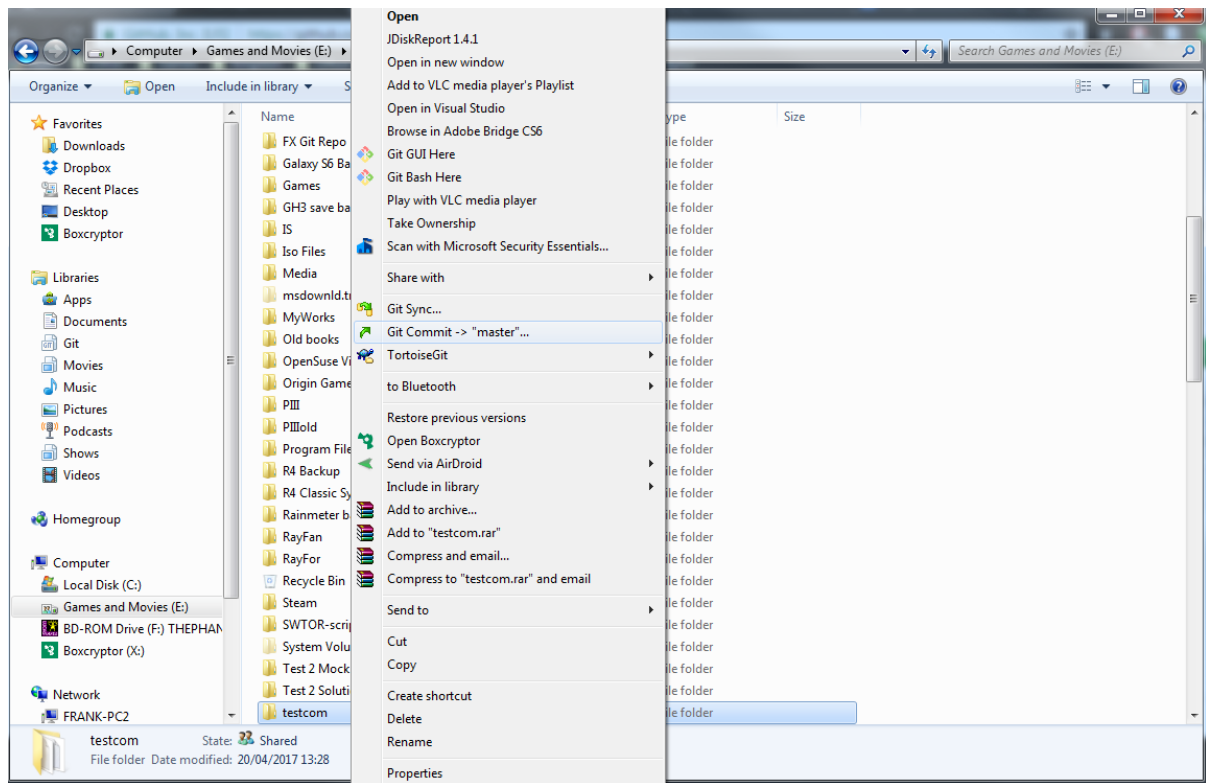


tor-9

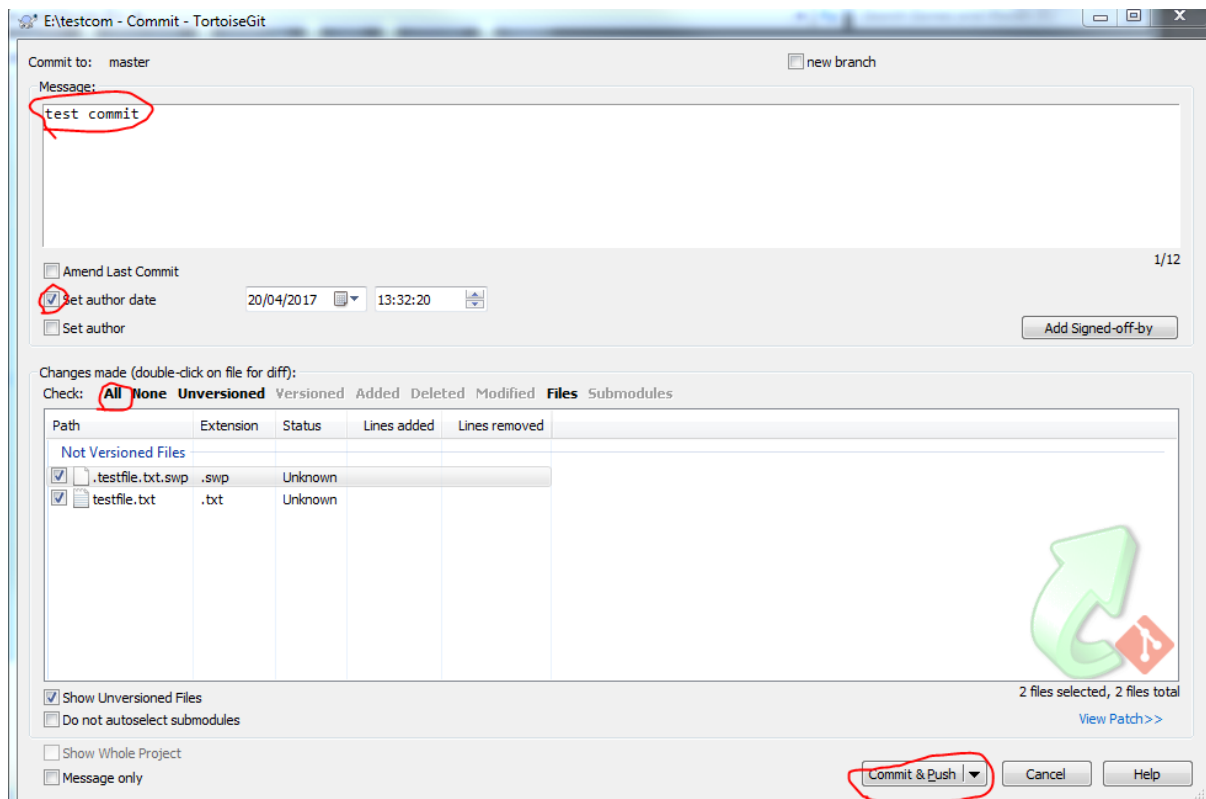
.git	20/04/2017 13:25	File folder	
.testfile.txt.swp	20/04/2017 13:28	SWP File	0 KB
README.md	20/04/2017 13:25	MD File	1 KB
testfile.txt	20/04/2017 13:28	TXT File	1 KB



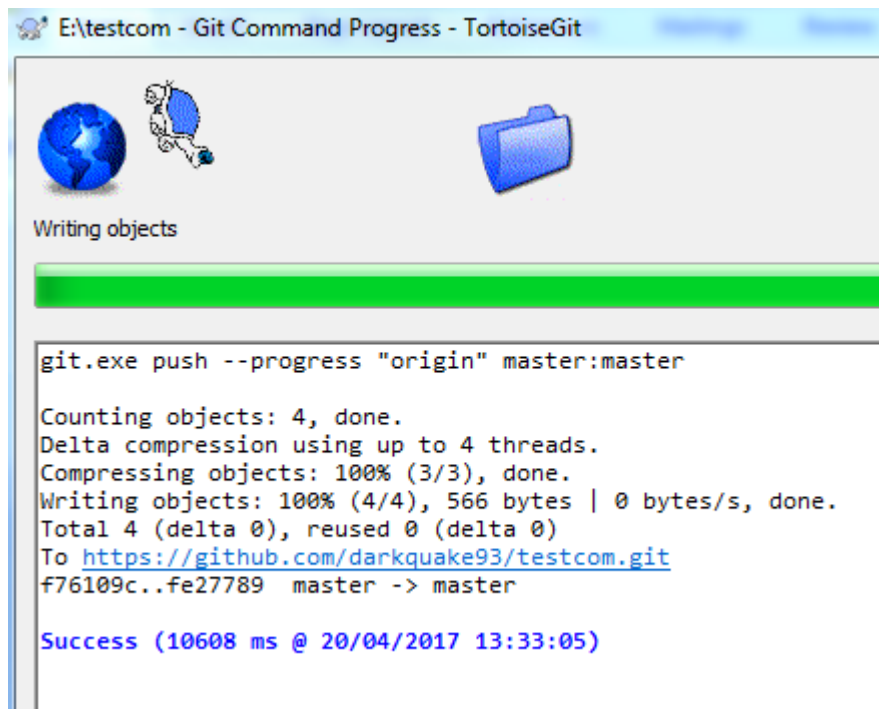
tor-10



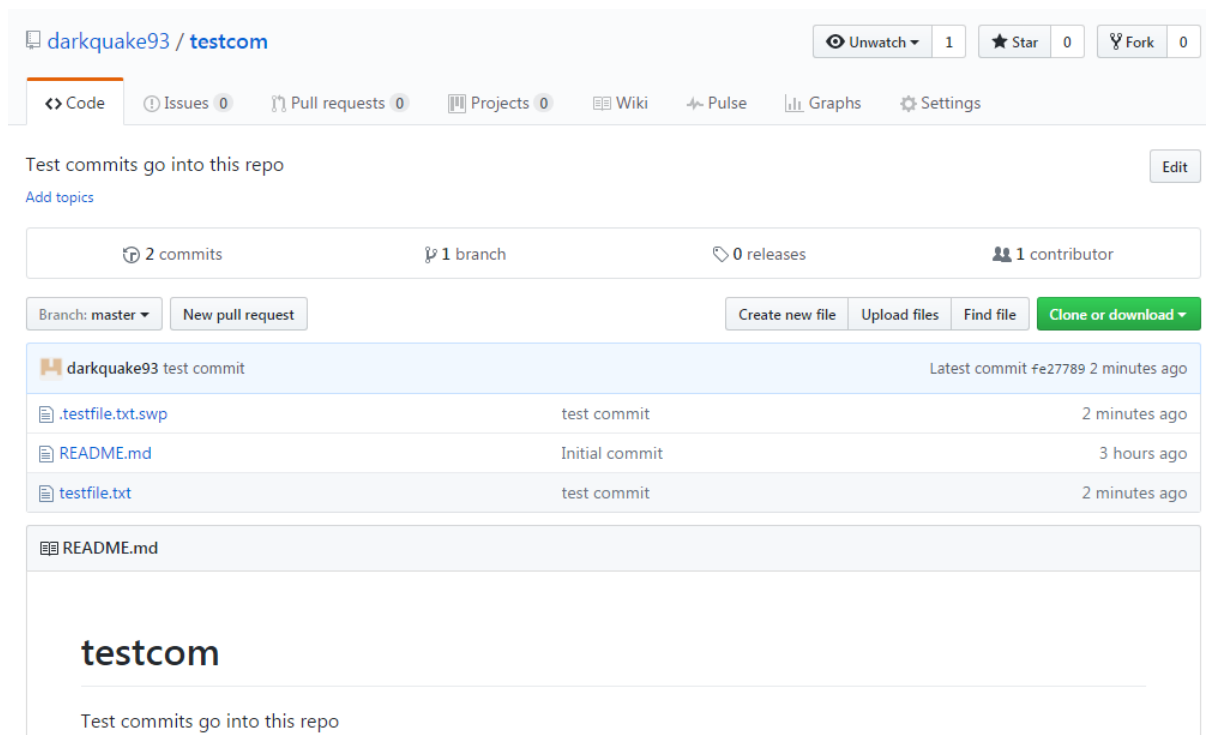
tor-11



tor-12

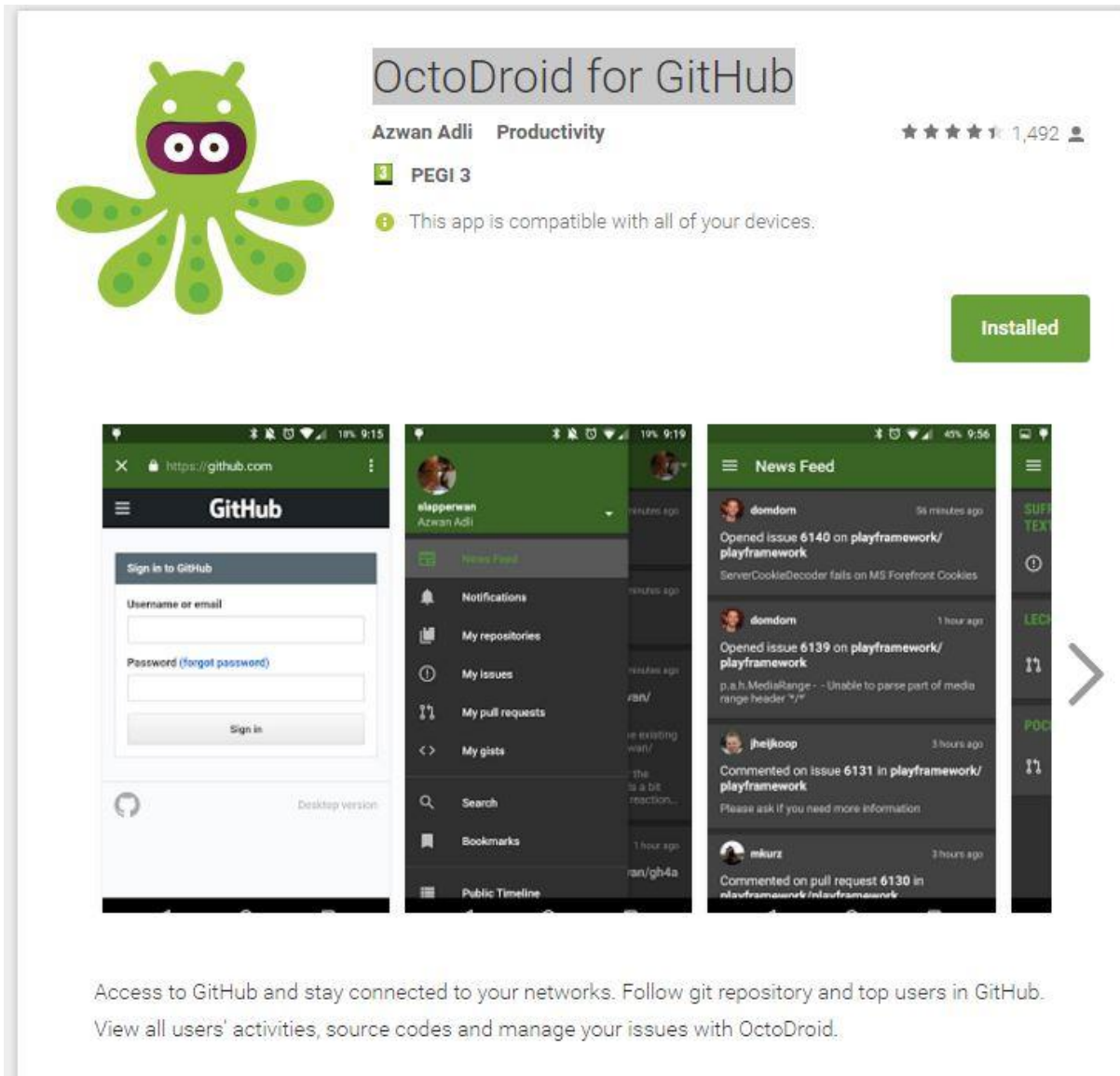


tor-13



OctoDroid

oct-1



OctoDroid for GitHub

Azwan Adli Productivity

★★★★★ 1,492

3 PEGI 3

This app is compatible with all of your devices.

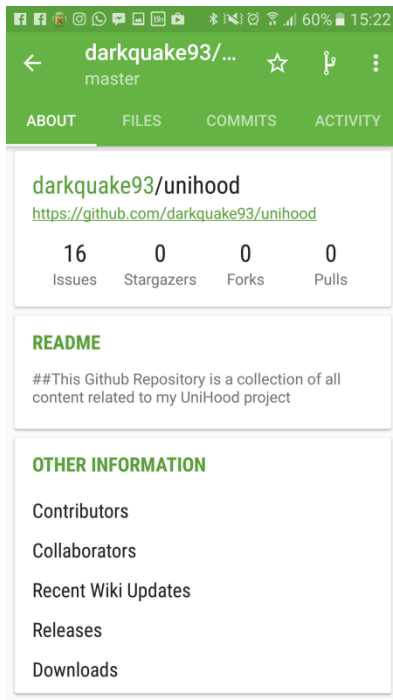
Installed

The screenshots show the app's interface:

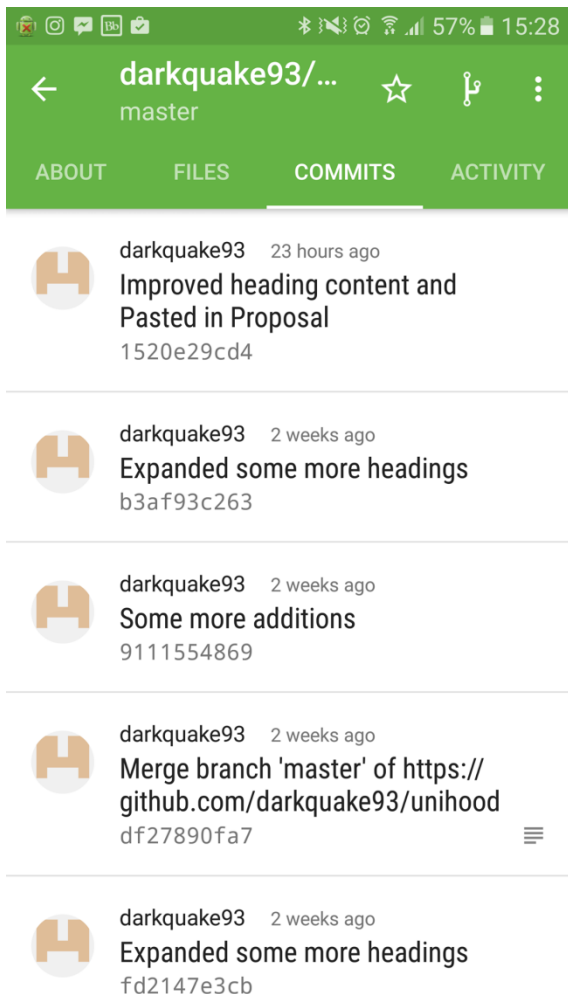
- Left Screenshot:** The login screen with fields for 'Username or email' and 'Password', a 'Sign in' button, and a link for 'forgot password'.
- Middle Screenshot:** A sidebar menu with options: 'News Feed', 'Notifications', 'My repositories', 'My issues', 'My pull requests', 'My gists', 'Search', 'Bookmarks', and 'Public Timeline'.
- Right Screenshot:** The 'News Feed' showing a list of activities from users like 'dondom' and 'helkoop', including issue openings and comments.

Access to GitHub and stay connected to your networks. Follow git repository and top users in GitHub. View all users' activities, source codes and manage your issues with OctoDroid.

oct-2

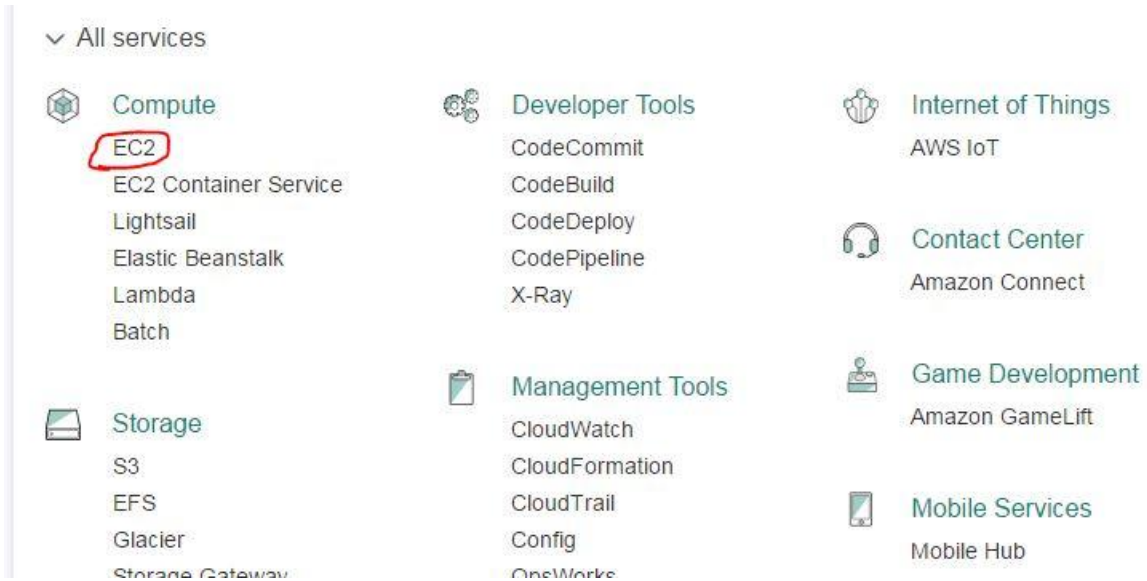


oct-3



SSH KeyPair Generation

key-1



key-2



Amazon EC2 Instance Creation

ec2-1

Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Quick Start

My AMIs | AWS Marketplace | Community AMIs

☐ Free tier only (1)

Amazon Linux AMI 2016.09.0 (HVM), SSD Volume Type - ami-041d58a7

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

Select

64-bit

Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-8bdc57b8

Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebs | Virtualization type: hvm

Select

64-bit

SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-4278487

SUSE Linux Enterprise Server 12 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.

Root device type: ebs | Virtualization type: hvm

Select

64-bit

Ubuntu Server 14.04 LTS (HVM), SSD Volume Type - ami-ed82e39e

Ubuntu Server 14.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Root device type: ebs | Virtualization type: hvm

Select

64-bit

Microsoft Windows Server 2012 R2 Base - ami-9b6118e8

Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]

Root device type: ebs | Virtualization type: hvm

Select

64-bit

ec2-2

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.

Filter by: All instance types | Current generation | Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.4xlarge	16	64	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.10xlarge	40	160	EBS only	Yes	10 Gigabit
<input type="checkbox"/>	General purpose	m4.16xlarge	64	256	EBS only	Yes	20 Gigabit

Cancel Previous **Review and Launch** Next: Configure Instance Details

ec2-3

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 Zone) | 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

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	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GiB 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

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	linux

[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-d41d59a7

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

Package files

You probably want one of these. They include all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

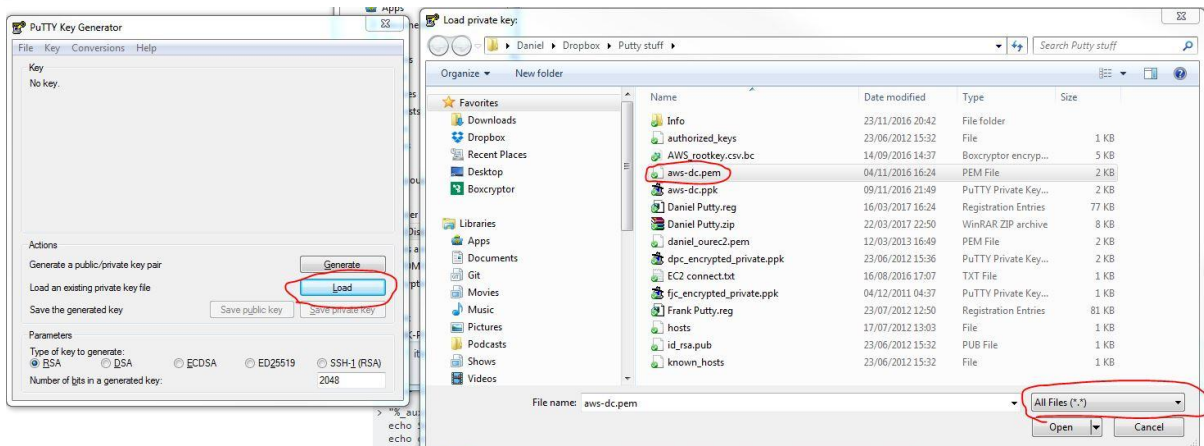
MSI ('Windows Installer')

32-bit: [putty-0.68-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)
 64-bit: [putty-64bit-0.68-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

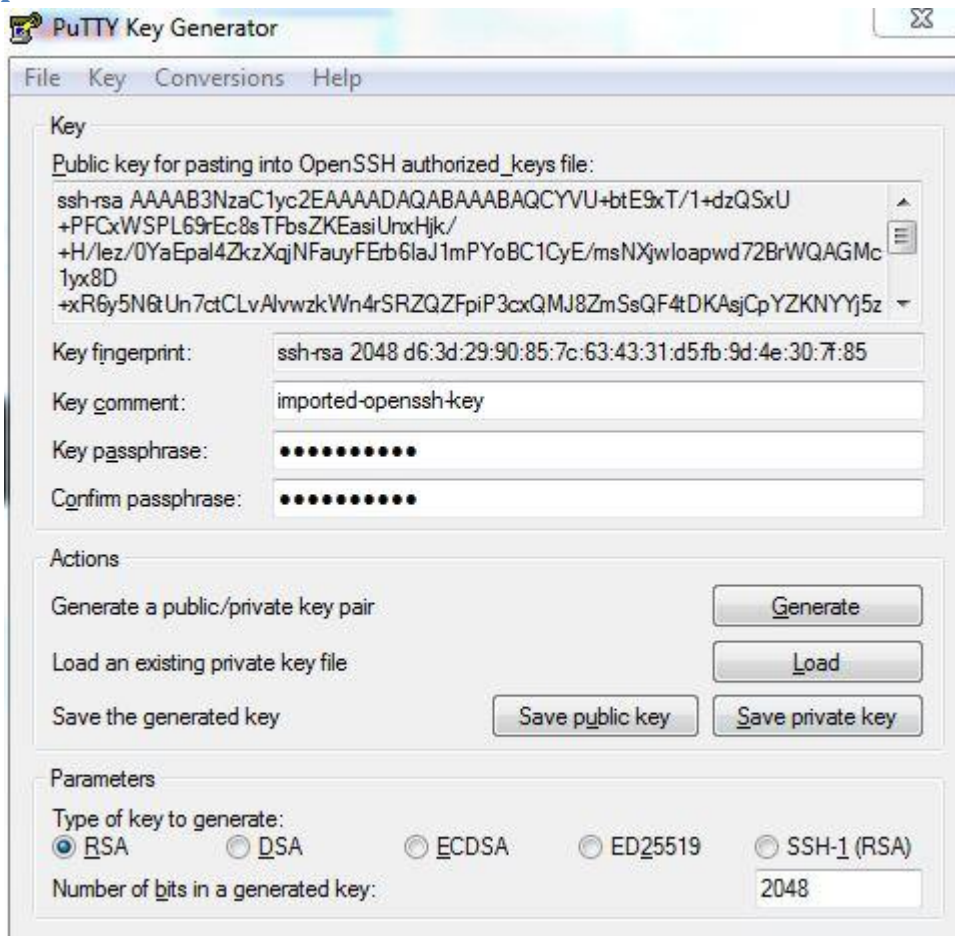
Unix source archive

.tar.gz: [putty-0.68.tar.gz](#) [\(or by FTP\)](#) [\(signature\)](#)

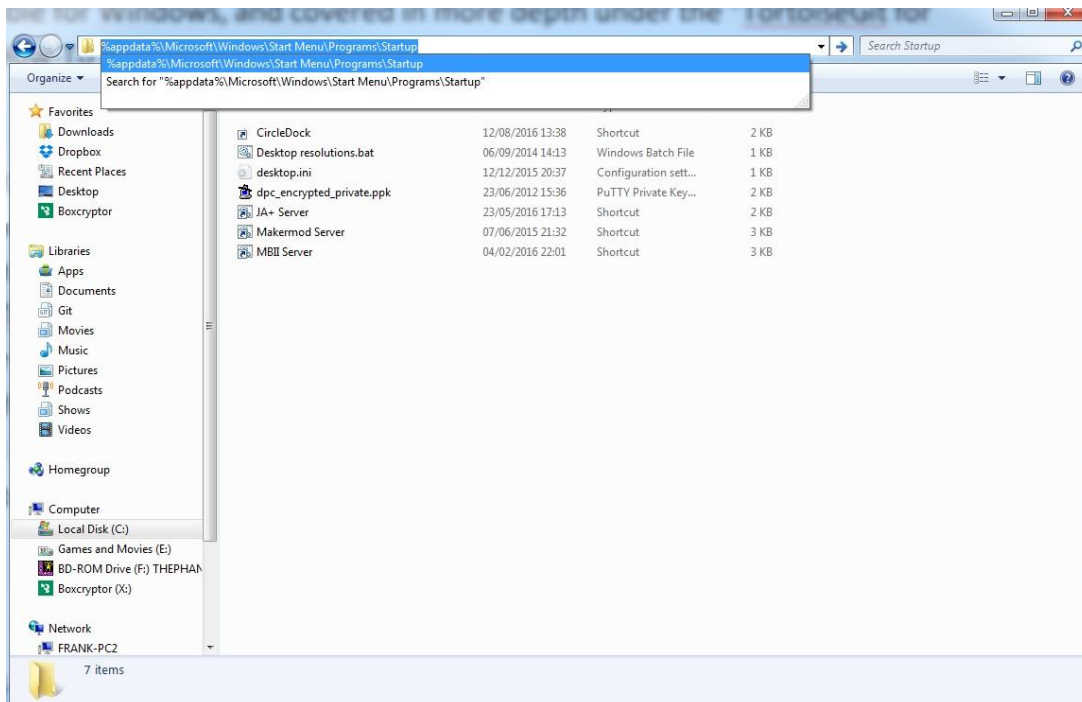
put-2



put-3



put-4



Connecting to the Instance

con-1

Instance: **i-0eec24bf0294aec26** (vlinux) Public DNS: **ec2-34-253-58-191.eu-west-1.compute.amazonaws.com**

Instance ID: i-0eec24bf0294aec26 Public DNS (IPv4): ec2-34-253-58-191.eu-west-1.compute.amazonaws.com

Instance state: running IPv4 Public IP: **34.253.58.191**

Instance type: t2.micro IPv6 IPs: -

Elastic IPs: - Private DNS: ip-172-31-16-127.eu-west-1.compute.internal

Availability zone: eu-west-1b Private IPs: 172.31.16.127

Security groups: default. [view inbound rules](#) Secondary private IPs: -

Scheduled events: No scheduled events VPC ID: vpc-1a11a67e

AMI ID: amzn-ami-hvm-2017.03.0.20170401-x86_64-gp2 (ami-e5083683) Subnet ID: subnet-76e76500

Platform: - Network interfaces: eth0

Creating / Removing EBS Volumes

ec2-9

The screenshot shows the AWS Management Console interface. In the left-hand navigation pane, the 'Elastic Block Store' section is expanded, and the 'Volumes' link is highlighted with a red circle. The main content area displays the 'Create Volume' button at the top left. Below it, a table lists existing EBS volumes. The table has columns for Name, Volume ID, Size, Volume Type, IOPS, Snapshot, Created, Availability Zone, State, Alarm Status, Attachment Information, Monitoring, Volume Status, and Encrypted. One volume is listed: vol-0717e17cad49632bf, 30 GiB, gp2, 100 / 3000, snap-ads5fe41, October 8, 2016 at 2:55:37 PM UTC+1, eu-west-1c, in-use, None, i-0b6efb5a12edff6a8 (vixux) /dev/xvda (attached), Okay, and Not Encrypted.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information	Monitoring	Volume Status	Encrypted
	vol-0717e17cad49632bf	30 GiB	gp2	100 / 3000	snap-ads5fe41	October 8, 2016 at 2:55:37 PM UTC+1	eu-west-1c	in-use	None	i-0b6efb5a12edff6a8 (vixux) /dev/xvda (attached)	Okay	Not Encrypted	

ec2-10

The screenshot shows the 'Create Volume' dialog box. It contains the following fields and options:

- Volume Type:** General Purpose SSD (GP2) (dropdown menu)
- Size (GiB):** 100 (text input, with a note: (Min: 1 GiB, Max: 16384 GiB))
- IOPS:** 300 / 3000 (text input, with a note: (Baseline of 100 IOPS per GiB))
- Throughput (MB/s):** Not Applicable
- Availability Zone:** eu-west-1c (dropdown menu, highlighted with a red circle)
- Snapshot ID:** Search (case-insensitive) (text input)
- Encryption:** ☐ Encrypt this volume

At the bottom right, there are two buttons: 'Cancel' and 'Create' (highlighted with a red circle).

ec2-11

The screenshot shows the AWS Management Console interface. On the left, the 'EC2 Dashboard' is visible with a sidebar containing various services like INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The 'Volumes' section under 'ELASTIC BLOCK STORE' is selected. The main area displays a table of volumes. The first volume, 'vol-0d74677f3e59eb857', is highlighted. A context menu is open over this volume, with the 'Attach Volume' option circled in yellow. Below the table, the details for the selected volume are shown, including its description, status checks, monitoring, and tags.

ec2-12

The screenshot shows the 'Attach Volume' dialog box. It contains three fields: 'Volume' (vol-0d74677f3e59eb857 in eu-west-1c), 'Instance' (i-0bbe6b5a12edff6a8 in eu-west-1c), and 'Device' (/dev/sdf). The 'Attach' button is circled in blue. A note at the bottom states: "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."

Managing EBS Volumes

ec2-16

```

root@ip-172-31-39-2/mnt
[root@ip-172-31-39-2 mnt]# mkfs /dev/sdf
mke2fs 1.42.12 (29-Aug-2014)
Creating filesystem with 26214400 4k blocks and 6553600 inodes
Filesystem UUID: 4ecef914-e8f2-478b-bdfb-4e7593608db4
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
    4096000, 7962624, 11239424, 20480000, 23887872

Allocating group tables: done
Writing inode tables: done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-39-2 mnt]# mkdir /mnt/bigdata
[root@ip-172-31-39-2 mnt]# mount /dev/sdf /mnt/bigdata
[root@ip-172-31-39-2 mnt]# df
Filesystem            1k-blocks    Used Available Use% Mounted on
devtmpfs                498820         60   498760    1% /dev
tmpfs                   509664          0   509664    0% /dev/shm
/dev/xvda1             30830568 1000984  29729336    4% /
/dev/xvdf              103212320   61044  97908396    1% /mnt/bigdata
[root@ip-172-31-39-2 mnt]# df -H
Filesystem            Size  Used Avail Use% Mounted on
devtmpfs              511M   62k  511M   1% /dev
tmpfs                 522M    0   522M   0% /dev/shm
/dev/xvda1            32G   1.1G   31G   4% /
/dev/xvdf             106G   63M  101G   1% /mnt/bigdata
[root@ip-172-31-39-2 mnt]# █

```

ec2-17

```

[root@ip-172-31-39-2 mnt]# cd /mnt/bigdata/
[root@ip-172-31-39-2 bigdata]# ls
lost+found
[root@ip-172-31-39-2 bigdata]# date >x
[root@ip-172-31-39-2 bigdata]# cat x
Sat Oct  8 15:54:46 UTC 2016
[root@ip-172-31-39-2 bigdata]# ls -l
total 20
drwx----- 2 root root 16384 Oct  8 15:52 lost+found
-rw-r--r-- 1 root root    29 Oct  8 15:54 x
[root@ip-172-31-39-2 bigdata]# █

```

Installing Apache and PHP, and Managing the WebServer

pak-1


Package	Arch	Version	Repository	Size
Installing:				
postgresql92	x86_64	9.2.18-1.59.amzn1	amzn-main	4.1 M
Installing for dependencies:				
postgresql92-libs	x86_64	9.2.18-1.59.amzn1	amzn-main	257 k
Transaction Summary				
Install 1 Package (+1 Dependent package)				
Total download size: 4.3 M				
Installed size: 16 M				
Is this ok [y/d/N]:				

pak-2

```
[root@ip-172-31-16-127 ec2-user]# service postgresql94 start
/var/lib/pgsql94/data is missing. Use "service postgresql94 initdb" to initialize the cluster first.
[FAILED]
[root@ip-172-31-16-127 ec2-user]# service postgresql94 initdb
```

Backup/Restore Test Data

bak-1

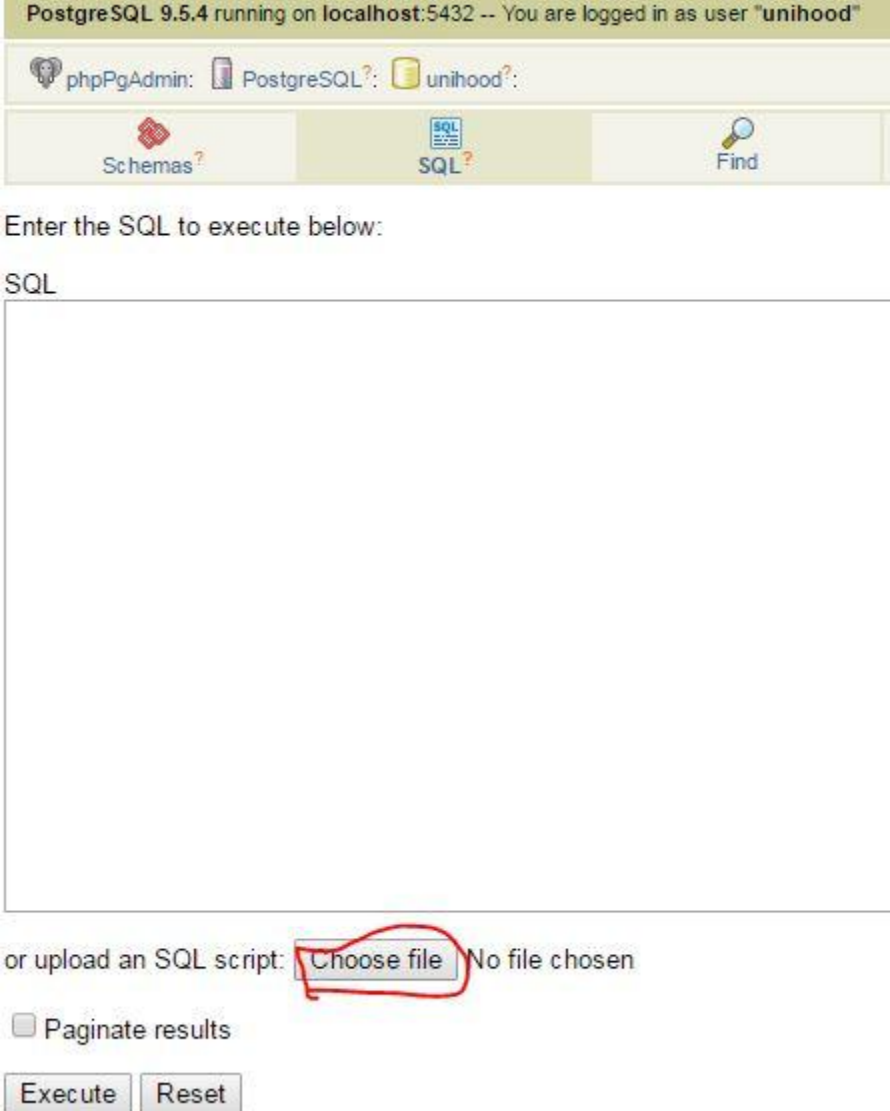


Database	Owner	Encoding	Collation	Character Type	Tablespace	Size	Actions	Comment
<input type="checkbox"/> postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	pg_default	7256 kB	Drop Privileges Alter	default administrative connection database
<input type="checkbox"/> unihood	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	pg_default	7976 kB	Drop Privileges Alter	

Actions on multiple lines
Select all / Unselect all ---> -- ▾ Execute

Create database

bak-2



PostgreSQL 9.5.4 running on localhost:5432 -- You are logged in as user "unihood"

phpPgAdmin: PostgreSQL?: unihood?:

Schemas? SQL? Find

Enter the SQL to execute below:

SQL

or upload an SQL script: [Choose file](#) No file chosen

☐ Paginate results

Execute Reset