

Amazon GovCloud AWS Installation

Prerequisite: One needs to have Amazon AWS GovCloud account to use the GovCloud infrastructure. If you are a federal, state govt agency or a US business working with government contracts, you can get AWS GovCloud account from Amazon. You can apply for an Amazon Govcloud account here (<https://aws.amazon.com/govcloud-us/contact/>). Once your account is approved, you can start using the AWS GovCloud infrastructure. Note that the Amazon GovCloud admin console as well as the account is different from your regular AWS account. Not all aws services are available under AWS GovCloud. The AWS GovCloud (US) Region allows customers to adhere to: US International Traffic in Arms Regulations (ITAR), Federal Risk and Authorization Management Program (FedRAMP), and Department of Defense (DoD) Cloud Computing Security Requirements Guide (SRG) Impact Levels 2, 4, and 5.

FileCloud Public AMI (Amazon Machine Image) is currently available in Amazon AWS GovCloud. Using FileCloud's AMI, government agencies can host their own, secure file share sync and mobile access solution for their organization in less than 10 minutes. The FileCloud AMI image is built on top of Ubuntu 16.04 OS. FileCloud stores the metadata and file share information in MongoDB Database which is already configured in the FileCloud AMI. The actual files can be stored in EBS or S3. For scalability and redundancy, we recommend to use S3 for production. We also recommend that you take periodic snapshots of your running instance for disaster recovery.

For a 100 users organization, a t2.medium or m3.medium or m3.large instance is good enough. Using Amazon EBS for FileCloud stack (FileCloud application, Apache Web Server, MongoDB Database) and Amazon S3 for cloud storage provides a scalable, redundant infrastructure that will satisfy any stringent business and federal security requirements. Since you only pay for the FileCloud licenses (\$40/user/year) and Amazon infrastructure the cost savings are very significant compared to any other public cloud file sharing app like Dropbox or Box.net.

In a normal usage scenario, we expect FileCloud + AWS Infrastructure will cost \$60/user/year compared to \$240/user/year for Dropbox or Box.net. In addition, with FileCloud you have complete control over the app, branding, domain naming and access permissions. Using FileCloud + AWS, one can approximately save over \$18,000 (assumption 100 users) when compared to Dropbox for business or Box.net.

Steps to Launch FileCloud AMI on GovCloud

1. Login to your aws govcloud admin console using your account, username and password

2. Click EC2 (Virtual Servers in the Cloud)

Amazon Web Services

- Compute & Networking**
 - EC2: Virtual Servers in the Cloud
 - VPC: Isolated Cloud Resources
- Storage & Content Delivery**
 - S3: Scalable Storage in the Cloud
 - Glacier: Archive Storage in the Cloud
- Database**
 - DynamoDB: Predictable and Scalable NoSQL Data Store
 - RDS: MySQL, Postgres, Oracle, SQL Server, and Amazon Aurora
 - ElastiCache: In-Memory Cache
 - Redshift: Managed Petabyte-Scale Data Warehouse Service
- Analytics**
 - EMR: Managed Hadoop Framework
- Application Services**
 - SNS: Push Notification Service
 - SQS: Message Queue Service
 - SWF: Workflow Service for Coordinating Application Components
- Deployment & Management**
 - CloudFormation: Templated AWS Resource Creation
 - CloudTrail: User Activity and Change Tracking
 - CloudWatch: Resource and Application Monitoring
 - Identity & Access Management: Access Control and Key Management
 - Trusted Advisor: AWS Cloud Optimization Expert

3. Click Launch Instance

EC2 Dashboard

- Events
- Tags
- Limits
- INSTANCES
 - Instances
 - Reserved Instances
- IMAGES
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots
- NETWORK & SECURITY
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Load Balancers
 - Key Pairs
 - Network Interfaces
- AUTO SCALING
 - Launch Configurations
 - Auto Scaling Groups

Resources

You are using the following Amazon EC2 resources in the US Gov West region:

0 Running Instances	0 Elastic IPs
0 Volumes	3 Snapshots
1 Key Pairs	0 Load Balancers
0 Placement Groups	3 Security Groups

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

Note: Your instances will launch in the US Gov West region

4. Search FileCloud AMI in AWS marketplace

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

Categories

All Categories

Infrastructure Software (3)

Business Software (3)

Operating System

Clear Filter

All Windows

Windows 2012 R2 (1)

Windows 2016 (1)

All Linux/Unix

Ubuntu (1)

Software Pricing Plans

Bring Your Own License (3)

Region

Current Region (3)

All Regions (93)

FileCloud

★★★★★ (4) | 17.3.0.37658 | Previous versions | Sold by CodeLathe

Bring Your Own License + AWS usage fees

Linux/Unix, Ubuntu 16.04 | 64-bit Amazon Machine Image (AMI) | Updated: 3/6/18

FileCloud is the leading, self-hosted file sharing, sync and mobile access for Businesses. Using AWS infrastructure (EC2, EBS, S3) one can jumpstart their own branded, file storage ...

[More info](#)

FileCloud for Windows Server 2012

★★★★★ (0) | 17.3.0.37658 | Sold by CodeLathe

Bring Your Own License + Charges for EC2 with Windows + AWS usage fees

Windows, Windows Server 2012 R2 | Windows Server 2012 R2 | 64-bit Amazon Machine Image (AMI) | Updated: 3/18/18

FileCloud is the leading, self-hosted file sharing, sync and mobile access for Businesses. Using AWS infrastructure (EC2, EBS, S3) one can jumpstart their own branded, file storage ...

[More info](#)

FileCloud Enterprise File Sharing and Sync (Windows Server 2016)

★★★★★ (0) | 17.3.0.37599 | Sold by CodeLathe

Bring Your Own License + Charges for EC2 with Windows + AWS usage fees

Windows, Windows Server 2016 Base Windows 2016 | 64-bit Amazon Machine Image (AMI) | Updated: 1/15/18

FileCloud is the leading, self-hosted file sharing, sync, backup and mobile access for Businesses. Using AWS infrastructure (EC2, S3) one can jump start their own branded, file ...

[More info](#)

and choose Continue

FileCloud

Free tier eligible

FileCloud

FileCloud is the leading, self-hosted file sharing, sync and mobile access for Businesses. Using AWS infrastructure (EC2, EBS, S3) one can jumpstart their own branded, file storage solution in few minutes at a compelling price point. FileCloud client apps are available for all the desktop and mobile operating systems (Windows, Mac, Linux, iOS, ...)

[More info](#)

[View Additional Details in AWS Marketplace](#)

Pricing Details

Bring Your Own License (BYOL)

Hourly Fees

Instance Type	Software	EC2	Total
R3 Eight Extra Large	\$0.00	\$3.192	\$3.192/hr
M3 Extra Large	\$0.00	\$0.336	\$0.336/hr
R4 16 Extra Large	\$0.00	\$5.107	\$5.107/hr
M4 Extra Large	\$0.00	\$0.252	\$0.252/hr
T2 Large	\$0.00	\$0.109	\$0.109/hr
C4 Double Extra Large	\$0.00	\$0.479	\$0.479/hr
R3 Double Extra Large	\$0.00	\$0.798	\$0.798/hr
High Storage Eight Extra Large	\$0.00	\$5.52	\$5.52/hr
T2 Double Extra Large	\$0.00	\$0.435	\$0.435/hr
T2 Extra Large	\$0.00	\$0.218	\$0.218/hr
High I/O Extra Large	\$0.00	\$1.023	\$1.023/hr
C4 Eight Extra Large	\$0.00	\$1.915	\$1.915/hr
M4 Quadruple Extra Large	\$0.00	\$1.008	\$1.008/hr
T2 Medium	\$0.00	\$0.054	\$0.054/hr
GPU Compute Extra Large	\$0.00	\$1.08	\$1.08/hr
C4 Large	\$0.00	\$0.12	\$0.12/hr
T2 Small	\$0.00	\$0.027	\$0.027/hr

Product Details

Sold by	CodeLathe
Customer Rating	★★★★★ (4)
Latest Version	17.3.0.37658
Base Operating System	Linux/Unix, Ubuntu 16.04
Delivery Method	64-bit Amazon Machine Image (AMI)
License Agreement	End User License Agreement
On Marketplace Since	9/17/14
AWS Services Required	EC2, S3

Highlights

- File Sharing -Allows businesses to create their own, branded file sharing, sync

[Cancel](#) [Continue](#)

5. Choose the desired Amazon EC2 Instance type. We recommend at least t2.medium. However, m3 series (like m3.medium) would be better. t2 series begin to throttle resources after sustained usage.

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

Step 2: Choose an Instance Type

Currently selected: t2.medium (Variable ECUs, 2 vCPUs, 2.5 GHz, Intel Xeon Family, 4 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
<input checked="" type="checkbox"/>	Micro instances	t1.micro	1	0.613	EBS only	-	Very Low
<input 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 checked="" type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m3.medium	1	3.75	1 x 4 (SSD)	-	Moderate
<input type="checkbox"/>	General purpose	m3.large	2	7.5	1 x 32 (SSD)	-	Moderate
<input type="checkbox"/>	General purpose	m3.xlarge	4	15	2 x 40 (SSD)	Yes	High
<input type="checkbox"/>	General purpose	m3.2xlarge	8	30	2 x 80 (SSD)	Yes	High
<input type="checkbox"/>	Compute optimized	c3.large	2	3.75	2 x 16 (SSD)	-	Moderate
<input type="checkbox"/>	Compute optimized	c3.xlarge	4	7.5	2 x 40 (SSD)	Yes	Moderate

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

6. Configure the instance details as per your requirement.

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:

Network: [Create new VPC](#)

Subnet: [Create new subnet](#)

Auto-assign Public IP:

IAM role: [Create new IAM role](#)

Shutdown behavior:

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy:
Additional charges will apply for dedicated tenancy.

Advanced Details

Cancel Previous **Review and Launch**

7. Select the desired storage. EBS storage is used to store the file meta and application data in the mongodb database. Depending on your implementation, actual files can be stored either in EBS or amazon S3.

Services Edit

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	Delete on Termination	Encrypted
Root	/dev/sda1	snap-b01dfbf1	100	General Purpose SSD (GP2)	300 / 3000	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

8. Configure Security Groups. If you need an external HTTP/HTTPS access you need to open port 80 and 443.

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 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
<input type="checkbox"/> sg-e3d53786	default	default VPC security group
<input checked="" type="checkbox"/> sg-fcd53799	FC_Default(ssh,http,https)	launch-wizard-1 created 2015-04-19T13:25:02.400-04:00
<input type="checkbox"/> sg-5357ba36	launch-wizard-1	launch-wizard-1 created 2015-05-07T07:34:50.695-04:00

Inbound rules for sg-fcd53799 (Selected security groups: sg-fcd53799)

Type	Protocol	Port Range	Source
SSH	TCP	22	0.0.0.0/0
HTTP	TCP	80	0.0.0.0/0
HTTPS	TCP	443	0.0.0.0/0

Cancel

9. Complete the review and launch instance



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, FileCloud-17-3-0-37658-AutogenByAWSMP-, 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



FileCloud

[Copied ami-032f7533e43230c4e from us-east-2] FileCloud_17.3.0.37658_Ubuntu16.04

Root Device Type: ebs Virtualization type: hvm

Hourly Software Fees: \$0.00 per hour on t2.medium instance (Additional taxes may apply.)
Software charges will begin once you launch this AMI and continue until you terminate the instance.

By launching this product, you will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's [End User License Agreement](#)

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.medium	Variable	2	4	EBS only	-	Low to Moderate

Security Groups

Security group name FileCloud-17-3-0-37658-AutogenByAWSMP-
Description This security group was generated by AWS Marketplace and is based on recommended settings for FileCloud version 17.3.0.37658 provided by CodeLathe

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH	TCP	22	0.0.0.0/0	
HTTP	TCP	80	0.0.0.0/0	
Custom TCP Rule	TCP	443	0.0.0.0/0	

Instance Details

Storage

Tags

10. You can see now your FileCloud is running in your AWS dashboard. Please note the Public DNS name to access your FileCloud.

The screenshot shows the AWS Management Console interface for EC2 instances. On the left is a navigation sidebar with categories like INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, and AUTO SCALING. The main area displays a list of instances with columns for Name, Instance ID, Instance Type, Availability Zone, Instance State, and Status Checks. The instance 'i-20918b02' is highlighted in blue and has a red arrow pointing to its ID. Below the list, the details for this instance are shown, including its public DNS address.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks
	i-c5f758e0	t2.micro	us-gov-west-1b	terminated	
	i-33f95616	t2.micro	us-gov-west-1b	terminated	
	i-1bfa553e	t2.micro	us-gov-west-1b	terminated	
	i-20918b02	t2.medium	us-gov-west-1a	running	2/2 checks ...

Instance: **i-20918b02** Public DNS: **ec2-96-127-69-148.us-gov-west-1.compute.amazonaws.com**

Description	
Instance ID	i-20918b02
Instance state	running
Instance type	t2.medium

11. Type 'http://<public_dns_name>/ui/admin/index.html' in your browser to access the FileCloud admin portal.

Default Admin	admin
Default Password	Your amazon instance ID
Note	Please change the admin password upon first login.



Admin Portal

Name
Enter admin name

Password
Enter admin password

Sign in

Use Single Sign On (SSO)

Powered by FileCloud

12. Once you logged into the admin portal, please install the FileCloud License.

Please register at our license management portal (<https://portal.geffilecloud.com/ui/user/index.html?mode=register>) to get trial licenses.

Admin Attention Required

Action Item	Description
Invalid License File	Upload your license via Install License Install License
Invalid Server URL	Go to Settings, Server to set a valid Server URL
Install Folder	Remove 'install' folder after installation. Example Windows: c:\xampp\htdocs\install Linux: /var/www/html/install or /var/www/install
Set Admin Email	Go to Settings, Email to set a valid Email Reply-to Address

Close

1 Week 1 Month 6 Months Refresh

Client Requests Served

Sat Sun Mon Tue Wed Thu

6% TEMP DISK USAGE 52 KB Used 54.35 GB Remaining

0% LICENSE USAGE 0 Used 0 Remaining

12% SETUP CHECKLIST 2 Completed 17 Total

Manage

Not Installed

Version Information

Current Version

Latest Version

Update(s) Available

File Type Distribution

1. The user name for the underlying Ubuntu OS is 'ubuntu'. Before launching the instance you will be required to create a key pair or you can use your existing key pair.
2. If you go to 'http://<public_dns_name>/install' , the page will show all the installed packages in this instance. Check the page and familiarize yourself with FileCloud components. Before going production move the install folder (/var/www/html/install) to somewhere else.
3. We recommend you to use S3 for file storage instead of the EBS. Please check this page ([Setting up FileCloud Managed S3 Storage](#)) to know how to setup S3 for FileCloud file storage.
4. Take Periodic snapshots of your running instance for Disaster recovery and as an additional backup for FileCloud database and app.

FAQ

What is AWS GovCloud (US)?

AWS GovCloud (US) is an isolated AWS Region designed to allow US government agencies and customers to move sensitive workloads into [the cloud](#) by addressing their specific regulatory and compliance requirements. The AWS GovCloud (US) framework adheres to U.S. International Traffic in Arms Regulations (ITAR) regulations as well as the Federal Risk and Authorization Management Program (FedRAMPSM) requirements.

What is the Federal Risk and Authorization Management Program (FedRAMP)?

The Federal Risk and Authorization Management Program, or FedRAMP, is a government-wide program that provides a standardized approach to security assessment, authorization, and continuous monitoring for cloud products and services. For more info check FedRAMP website (<http://www.fedramp.gov>).

What is ITAR Regulations?

International Traffic in Arms Regulations (ITAR) The regulations control the export and import of defense-related articles and services on the [United States Munitions List](#) (USML).