



# **Configuring the Cloud Volumes ONTAP Data Collector**

Cloud Insights

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# Table of Contents

- Configuring the Cloud Volumes ONTAP Data Collector ..... 1
- Cloud Volumes ONTAP Storage Configuration ..... 1
- Agent Machine Configuration ..... 1
- Install the Cloud Secure Agent ..... 2

# Configuring the Cloud Volumes ONTAP Data Collector

Cloud Secure uses data collectors to collect file and user access data from devices.

## Cloud Volumes ONTAP Storage Configuration

See the OnCommand Cloud Manager Documentation to configure a single-node / HA AWS instance to host the Cloud Secure Agent:

<https://docs.netapp.com/us-en/occm/index.html>

After the configuration is complete, follow the steps to setup your SVM:

[https://docs.netapp.com/us-en/cloudinsights/task\\_add\\_collector\\_svm.html](https://docs.netapp.com/us-en/cloudinsights/task_add_collector_svm.html)

## Agent Machine Configuration

Use the following steps to configure the machine to be used as a Cloud Secure Agent:

### Steps

1. Log in to the AWS console and navigate to EC2-Instances page and select *Launch instance*.
2. Select a RHEL or CentOS AMI with the appropriate version as mentioned in this page:  
[https://docs.netapp.com/us-en/cloudinsights/concept\\_cs\\_agent\\_requirements.html](https://docs.netapp.com/us-en/cloudinsights/concept_cs_agent_requirements.html)
3. Select the VPC and Subnet that the Cloud ONTAP instance resides in.
4. Select *t2.xlarge* (4 vcpus and 16 GB RAM) as allocated resources.
  - a. Create the EC2 instance.
5. Install the required Linux packages using the YUM package manager:
  - a. Install *wget* and *unzip* native Linux packages.
  - b. Install *selinux* (dependency package for the docker-ce):

```
wget
http://mirror.centos.org/centos/7/extras/x86_64/Packages/container-
selinux-2.68-1.el7.noarch.rpm
yum install -y container-selinux-2.68-1.el7.noarch.rpm
```

6. Install the docker-ce (not the native docker) package. You must use a version higher than 17.03:  
[https://download.docker.com/linux/centos/7/x86\\_64/stable/Packages/](https://download.docker.com/linux/centos/7/x86_64/stable/Packages/)
7. SSH to the Redhat EC2 VM:

```
ssh -i "your_new_pem.pem" <ec2_hostname_or_IP>
sudo su -
```

8. Perform a docker login after installing the required AWS CLI package:

```
curl "https://s3.amazonaws.com/aws-cli/awscli-bundle.zip" -o "awscli-  
bundle.zip"  
unzip awscli-bundle.zip  
sudo ./awscli-bundle/install -i /usr/local/aws -b /usr/local/bin/aws  
/usr/local/bin/aws --version  
aws configure --profile collector_readonly  
aws ecr get-login --no-include-email --region us-east-1 --profile  
collector_readonly  
docker login -u AWS -p <token_generated_above> <ECR_hostname>
```

9. Use the following command to verify the steps completed successfully and the *cs-ontap-dsc* image can be successfully pulled:

```
docker pull 376015418222.dkr.ecr.us-east-1.amazonaws.com/cs-ontap-  
dsc:1.25.0
```

## Install the Cloud Secure Agent

1. Log in as Administrator or Account Owner to your Cloud Insights environment.
2. Navigate to Cloud Secure **Admin > Data Collectors** and click the **Agents** tab.
3. Click **+Agent** and specify RHEL as the target platform.
4. Copy the Agent Installation command.
5. Paste the Agent Installation command into the RHEL EC2 instance you are logged in to.  
This installs the Cloud Secure agent, providing all of the [Agent Prerequisites](#) are met.

For detailed steps please refer to this xref:

[https://docs.netapp.com/us-en/cloudinsights/task\\_cs\\_add\\_agent.html#steps-to-install-agent](https://docs.netapp.com/us-en/cloudinsights/task_cs_add_agent.html#steps-to-install-agent)

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