Create a Cloudbreak credential on AWS 2

# **Creating a Cloudbreak Credential on GCP**

Date of Publish: 2019-02-06



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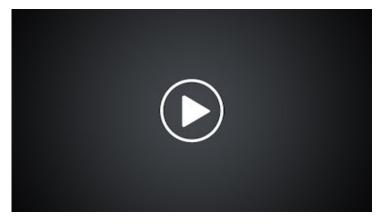
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### **Overview of creating a credential on GCP**

Creating a credential on Google Cloud involves creating a service account and creating a credential it in the Cloudbreak web UI.

The following video demonstrates how to create a service account and create a credential on Google Cloud:



The roles that need to be assigned to the service account are described in Create a service account.

### **Create a service account**

As a prerequisite for creating a credential, you must create a service account on GCP and generate a JSON key for that account.

As a prerequisite for creating a credential, you must create a service account on GCP and generate a JSON key for that account. The service account must have the following roles are enabled:

Service > Role	Description
Compute Engine > Compute Image User	This is required
Compute Engine > Compute Instance Admin (v1)	This is required
Compute Engine > Compute Network Admin	This is required
Compute Engine > Compute Security Admin	This is required
Storage > Storage Admin	This is required

A user with an "Owner" role can assign roles to new and existing service accounts from IAM & admin > Service accounts, as presented in the following screenshots.

Steps

To create a new service account, navigate to IAM & admin > Service accounts, click on +Create service account and provide the following:

- Enter Service account name
- Under Role, select the roles mentioned above
- Select Furnish a new private key > JSON

Service account name 💮	1	Role 🛞	Feb 9, 2018
test-account		Compute Image 👻	
Service account ID	Service account ID		Feb 12, 2018
test-account	@siq-haas.iam.gs	Compute Image User	
You don't have permission to fe		Compute Instance Admin (v1)	Feb 8, 2018
Downloads a file that contains can't be recovered if lost.	s the private key. Store the hi	<ul> <li>Compute Security Admin</li> <li>Storage Admin</li> </ul>	Compute Admin
			Compute Image User
You don't have permission to modify the domain-wide d don't have permission to modify the product name for th Enable G Suite Domain-wide Delegation Allows this service account to be authorized to access all domain without manual authorization on their part. Learn der@siq- m.gserviceaccount.com rai@siq- m.gserviceaccount.com		App Engine  BigQuery Billing Cloud IAP Cloud SQL Cloud Scheduler Cloud Security Scanner Cloud Tasks Compute Engine DNS	Compute Instance Admin (be Compute Instance Admin (v1) Compute Network Admin Compute Network Viewer Compute OS Admin Login Compute OS Login Compute OS Login Compute Storage Admin Compute Storage Admin Compute Viewer Feb 14, 2018
-2018@siq-	c23ea60f3a8c2a5	Dataflow > Dataproc >	Feb 9, 2018
m.gserviceaccount.com	32366f3fcf164ea	Dataproc F	Feb 6, 2018
n@siq-	1f9e33005bebe58	Manage roles	Feb 8, 2018

Create service acc	ount		Key creation date
Service account name 📀		Role 💮	Feb 9, 2018
test-account		Compute Image 👻	
Service account ID		Selected	Feb 12, 2018
test-account	@siq-haas.iam.gs	Compute Image User	
You don't have permission to f		<ul> <li>Compute Instance Admin (v1)</li> <li>Compute Network Admin</li> </ul>	Feb 8, 2018
Downloads a file that contains the private key. Store the fil can't be recovered if lost.		<ul> <li>Compute Security Admin</li> <li>Storage Admin</li> </ul>	<b>-</b> 5-6 0 0010
You don't have permission to r			Feb 9, 2018
don't have permission to modify the product name for the Enable G Suite Domain-wide Delegation Allows this service account to be authorized to access all domain without manual authorization on their part. Learn to the service		IAM  Kubernetes Engine	Feb 8, 2018
		Logging >	
		Machine Learning Engine	Feb 13, 2018
		Monitoring >	
		Organization Policy	Feb 1, 2018
		Pub/Sub	-
er@siq-	849293a6efba404	Reserve Partner	Feb 13.2018
n.gserviceaccount.com	04929580615840	Resource Manager	Storage Admin
		Roles	Storage Object Admin
i@siq- n.gserviceaccount.com	ed161655ee6cb8	Service Accounts	Storage Object Creator
		Service Management	5 ,
2018@siq-	c23ea60f3a8c2a5	Source >	Storage Object Viewer
n.gserviceaccount.com	32366f3fcf164e	Storage	Feb 6, 2018

For more information on creating a service account and generating a JSON key, refer to Google documentation.

#### **Related Information**

Service account credentials

### **Create a credential on GCP**

Cloudbreak works by connecting your GCP account through this credential, and then uses it to create resources on your behalf. Before you can start provisioning cluster using Cloudbreak, you must create a credential.

Prerequisites

As a prerequisite for creating a credential, you must create a service account on GCP and generate a JSON key for that account.

Steps

- 1. In the Cloudbreak web UI, select Credentials from the navigation pane.
- 2. Click Create Credential.
- 3. Under Cloud provider, select "Google Cloud Platform".
- 4. Provide the following information related to the service account that you created earlier:

Parameter	Description	
Key type	Select JSON or P12. Since activating service accounts with P12 private keys has been deprecated in the Cloud SDK, we recommend using JSON.	
Name	Enter a name for your credential.	
Description	(Optional) Enter a description.	
Project Id	(Only required for P12 key type) Enter the project ID. You can obtain it from your GCP account by clicking on the name of your project at the top of the page and copying the ID.	
Service Account Email Address	(Only required for P12 key type) "Service account ID" value for your service account created in prerequisites. You can find it on GCP at IAM & Admin > Service accounts.	
Service Account Private Key	Upload the key that you created in the prerequisites when creating a service account.	

#### 5. Click Create.

6. Your credential should now be displayed in the Credentials pane.

Now that you have created a credential, you can start creating clusters.

#### **Related Information**

Core concepts