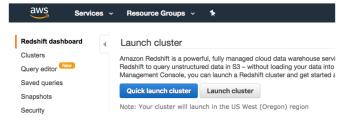
Launch a Redshift Cluster SEND FEEDBACK

## Launch a Redshift Cluster

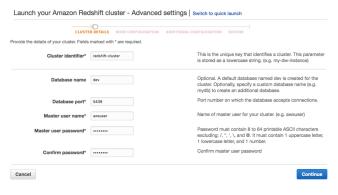
WARNING: The cluster that you are about to launch will be live, and you will be charged the standard Amazon Redshift usage fees for the cluster until you delete it. Make sure to delete your cluster each time you're finished working to avoid large, unexpected costs for yourself. Instructions on deleting your cluster are included on the last page in this lesson. You can always launch a new cluster, so don't leave your Redshift cluster running overnight or throughout the week if you don't need to.

- 1. Sign in to the AWS Management Console and open the Amazon Redshift console at <a href="https://console.aws.amazon.com/redshift/">https://console.aws.amazon.com/redshift/</a>.
- 2. On the Amazon Redshift Dashboard, choose **Launch cluster**.



- 3. On the Cluster details page, enter the following values and then choose Continue:
  - Cluster identifier: Enter redshift-cluster.
  - Database name: Enter dev
  - Database port: Enter 5439
  - Master user name: Enter awsuser.
  - Master user password and Confirm password: Enter a password for the master user
    account.

Please note: We strongly advise you to keep these passwords closely guarded, including not putting them in your GitHub public repo. etc.



4. On the Node Configuration page, accept the default values and choose **Continue**.

Launch your Amazon Redshift cluster - Advanced settings | Switch to quick launch |

CLUSTER CHARLES MODE COMPOUNDATION ADDITIONAL COMPOUNDATION REVIEW |

Choose a number of nodes and node type below. Number of Compute Nodes is required for multi-node clusters.

The dat2 and dc2 node types replace the dat and dc1 node types, respectively. The newer dat2 and dc2 node types provide higher performance than ds1 and dc1 at no extra cost. Learn more.

Node type | dc2.large | Specifies the compute, memory, storage, and I/O capacity of the cluster's nodes.

CPU 7 EC2 Compute Units (2 virtual cores) per node

Memory 15.25 GiB par node

Storage 160GB SSD storage per node

I/O performance | Moderate

Cluster type | Single Node |

Number of compute nodes\* | Single Node clusters consist of a single node which performs both leader and compute functions.

Maximum 1

Minimum 1

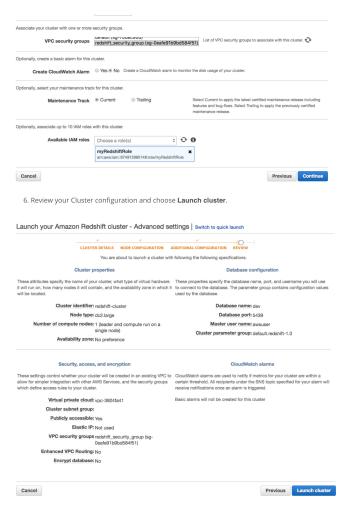
Cancel

- ${\it 5.}\ {\it On\ the\ Additional\ Configuration\ page,\ enter\ the\ following\ values:}$ 
  - VPC security groups: redshift\_security\_group
  - Available IAM roles: myRedshiftRole

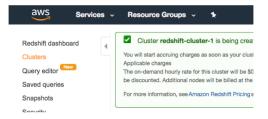
Choose Continue.

Publicly accessible \*\* Tes \*\* No

Select Yes \*\* You want to select your own public IP address from a lat of elastic IP (EIP) addresses that are already configured for your cluster's VPC. Select Yo if you want Anacon Redshift to provide an EIP for you has the continue of the continue



7. A confirmation page will appear and the cluster will take a few minutes to finish. Choose **Clusters** in the left navigation pane to return to the list of clusters.



8. On the Clusters page, look at the cluster that you just launched and review the **Cluster Status** information. Make sure that the **Cluster Status** is **available** and the **Database Health** is **healthy** before you try to connect to the database later. You can expect this to take 5-10 minutes.

