Flow Logs

Getting Started

Product Documentation

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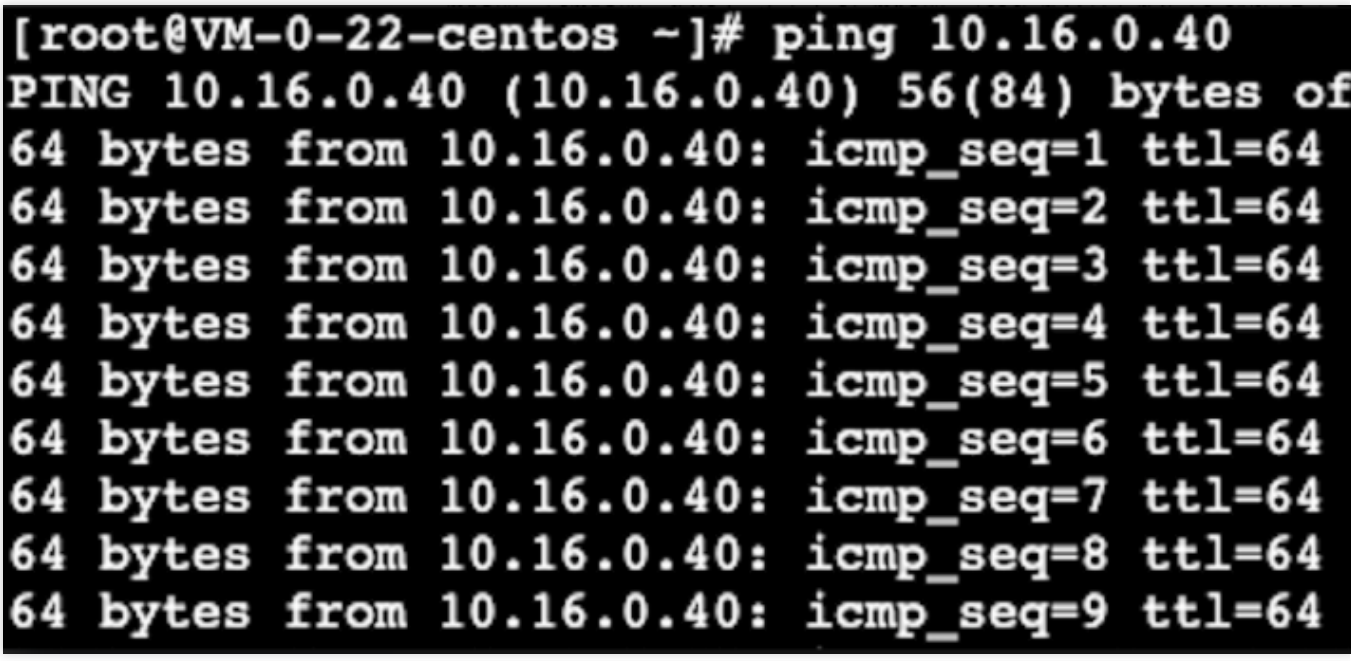
This document describes how to create a flow log for an ENI in the private network. After a flow log is created for the ENI, you can store and analyze the network traffic in real time, making it fit for troubleshooting, compliance audit, security and other use cases.

Prerequisite

Ensure that the CVMs are included in the FL's Supported List.
As the flow log data needs to be delivered to CLS, ensure that the CLS authorization has been completed before viewing the log data. For detailed directions, see Granting FL Access to CLS.
You have created a log topic as instructed in Creating a log topic.

Background

CVM A (10.16.0.22) and CVM B (10.16.0.40) reside in the same VPC. After you log in to the CVM A and run the `ping` command to connect to the CVM B, the ENI will be triggered to generate traffic. If a flow log is created for the ENI of the CVM A, the flow log also records the traffic data.



Directions

1. Log in to the VPC console and select **Flow Logs** > **Log List** on the left sidebar.
2. In the upper-left corner of the **Flow Logs** page, choose the target region. Click **+Create** and configure the following parameters in the pop-up dialog box.

Field	Configuration
Name	Enter a name for the flow log to be created.
Collection Range	Specify the flow log collection range. In this example, select ENI.
VPC	The VPC where the ENI is located. In this example, select the VPC of CVM A.
Subnet	The subnet where the ENI is located. In this example, select the subnet of CVM A.
Collection Type	Select the type of traffic to be collected by the flow log: all traffic, or the traffic rejected or accepted by security groups or ACL. In this example, select **Accepted**.
Logset	Select a logset that specifies the storage location in CLS for the flow log. You can also click Create to add a logset in the CLS console.
Log topic	Select a log topic that specifies the minimum dimension of log storage, which is used to distinguish log types, such as Accept log. You can go to the CLS console to add a log topic.
Tag key	Enter or select an optional tag key for the identification and management of the flow log.
Tag value	Enter or select an optional tag value. It can also be a null value.

3. Click **Confirm**.

Note:

You can view the record of a newly created flow log in CLS after 10 minutes upon the creation (5 minutes for the capture window and 5 minutes for data publishing).

FL is free of charge, but the data stored in CLS is charged at standard prices.

Result Validation

After 10 minutes, locate the flow log you've created on the **Flow Logs** page and click **Check** in the **Operation** column to access the **Search and Analysis** page. Select a time range and search for the IP of the CVM B.