

# Elastic Network Interface

## Best Practice

### Product Documentation



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## Creating Flow Logs for ENIs

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[Flow Logs](#) provides a full-time, full-flow and non-intrusive traffic collection service. It enables you to store and analyze the collected network traffic in real time for troubleshooting, compliance auditing, architecture optimization, and security detection.

You can create a flow log for an ENI to collect the inbound/outbound traffic. The collected traffic will be stored and analyzed in Tencent Cloud CLS. This document describes how to create a flow log for an ENI.

### Prerequisites

The CVM to which the ENI is bound is supported by Flow Logs. See [Supported List](#).

You have granted permissions to FL to access CLS.

You have created a log topic. See [Creating a Log Topic](#).

### Sample Case

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 the CVM B, the ENIs on both CVMs will be triggered to generate traffic. If a flow log is created for the ENI on CVM A, the flow log also records the traffic.

```
[root@VM-0-22-centos ~]# ping 10.16.0.40
PING 10.16.0.40 (10.16.0.40) 56(84) bytes of data:
64 bytes from 10.16.0.40: icmp_seq=1 ttl=64 time=0.040 ms
64 bytes from 10.16.0.40: icmp_seq=2 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=3 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=4 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=5 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=6 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=7 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=8 ttl=64 time=0.039 ms
64 bytes from 10.16.0.40: icmp_seq=9 ttl=64 time=0.039 ms
```

## Directions

1. Log in to the [VPC console](#) and select **Flow Logs > Log List** in the left sidebar.
2. In the upper-left corner of the **Flow Logs** page, choose the target region. Click **+ New** and complete the configuration.

Field	Description
Name	The name of the flow log.
Collection range	This specifies the collection range of the flow log. Select "ENI" in this example.
VPC	The VPC where the ENI resides. Select the VPC of CVM A in this example.
Subnet	The subnet where the ENI resides. Select the subnet of CVM A in this example.
Collection type	This specifies the type of traffic to be collected by the flow log: All traffic, or the traffic rejected or accepted by security groups or ACL. Select "Accept" in this example.
Logset	This specifies the storage location in CLS for the flow log. Please select an existing logset. You can also click Create to add a logset in the CLS console.
Log topic	This 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	(Optional) It is used for locating and managing flow logs. You can create a tag key or select an existing one.
Tag value	(Optional) You can create a tag value, select an existing one, or just leave it empty.

3. Click **OK**.

**Note:**

For the first creation of a flow log, it takes about 10 minutes before you can see the logs in the CLS console. The Flow Logs service is free of charge, but you need to pay for the data stored in CLS.

## Result Validation

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