

Changing the VHIDs for CARP interfaces

The Common Address Redundancy Protocol (CARP) enables multiple Nodes to share the same IP address and Virtual Host ID (VHID) to provide highly available services. In the event of failure, the services on a failed Node are restarted on a peer Node. In addition to the shared IP address, each Node has its own IP address. The VHID for each Node should be unique across the broadcast domain of the network interface.

The document details the procedures to change the VHIDs for CARP interfaces on CloudByte ElastiStor Nodes. The procedures can be performed if you have assigned the same VHID to more than one Node in the same broadcast domain.

Sample setup assumptions

- Node1 and Node2 are in HA Group1
- Node3 and Node4 are in HA Group2

Workflow

1. Update the database. For details, see "[Updating the database](#)".
2. Update the Nodes. For details, see "[Updating the Nodes](#)".

Updating the database

1. SSH to the ElastiStor Node.
2. Run the following command to start a mysql session: `mysql -uusername -ppassword database_name`. For example, `mysql -ucloud -pcloud cloud`.
3. Run the following query to list the details of the available Nodes: `select id,name,mgmt_ip_address,carp_index from cb_controller where removed is null;`

```

+----+-----+-----+-----+
| id | name      | mgmt_ip_address | carp_index |
+----+-----+-----+-----+
|  1 | stt_node1 | 111.11.11.11    |           1 |
|  2 | stt_node2 | 111.11.11.12    |           2 |
|  3 | stt_node3 | 111.11.11.13    |           1 |
|  4 | stt_node4 | 111.11.11.14    |           2 |
+----+-----+-----+-----+

```

Note ids of the Nodes for which you want to change the VHID.

4. Run the following query to change the VHID: `update cb_controller set carp_index=new_VHID where id=VHID;`. For example, `update cb_controller set carp_index=3 where id=3;`
5. Repeat step 4 for other Nodes. For example, `update cb_controller set carp_index=4 where id=4;`
6. Run the following query for the new details of the Node: `select id,name,mgmt_ip_address,carp_index from cb_controller where removed is null;`

```

+----+-----+-----+-----+
| id | name      | mgmt_ip_address | carp_index |
+----+-----+-----+-----+
|  1 | stt_node1 | 111.11.11.11    |           1 |
|  2 | stt_node2 | 111.11.11.12    |           2 |
|  3 | stt_node3 | 111.11.11.13    |           3 |
+----+-----+-----+-----+

```

