

# Configure an existing Explore cluster with manager nodes

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If your Explore cluster was deployed without manager-only nodes, and includes six or more data-only nodes, complete the procedures in this guide.

## Before you begin

- Review the specifications and guidelines in [Deploying manager nodes](#)
- Deploy the new manager nodes according to the [guide for your implementation](#), but do not join the nodes to the cluster or connect the nodes to Discover or Command appliances. Depending on your implementation, reduce the data disk size to meet the [manager node specifications](#).
- [Register each manager node](#) with the correct product license. Manager-only nodes have dedicated SKUs; be sure to verify these licenses with your account team.

## Disable record ingest

1. Log in to the Administration settings through `https://<extrahop-hostname-or-IP-address>/admin` on any data-only node.
2. In the Explore Cluster Settings section, click **Cluster Data Management**.
3. Click **Disable Record Ingest**.

### Next steps

[Join each manager-only node](#) to the existing Explore cluster and then continue to configure the new manager-only nodes.

## Configure three manager-only nodes

1. Log in to the Administration settings on a node intended for cluster task management.
2. In the Appliance Settings section, click **Running Config**.
3. Click **Edit config**.
4. Add an entry to the Running Config file by completing the following steps:
  - a) Add a comma after the second to last curly brace (}).
  - b) Press ENTER to create a new line.
  - c) Paste the following code on the new line before the final curly brace:

```
"cluster": {  
    "data": false,  
    "min_master_nodes": 2  
}
```

5. Click **Update**.
6. Click **Done**.
7. Click **Save config** and then click **Save**.
8. In the Appliance Settings section, click **Shutdown or Restart**.
9. Next to the Search service, click **Restart**.
10. Repeat these steps on each manager-only node.

## Configure the data-only nodes

1. Log in to the Administration settings on a node intended for data storage.
2. In the Appliance Settings section, click **Running Config**.
3. Click **Edit config**.
4. Add an entry to the Running Config file by completing the following steps:
  - a) Add a comma after the second to last curly brace (}).
  - b) Press ENTER to create a new line.
  - c) Paste the following code on the new line before the final curly brace:

```
"cluster": {  
    "master": false,  
    "min_master_nodes": 2  
}
```

5. Click **Update**.
6. Click **Done**.
7. Click **Save config** and then click **Save**.
8. In the Appliance Settings section, click **Shutdown or Restart**.
9. Next to the Search service, click **Restart**.
10. Repeat these steps on each data-only node.

### Next steps

After all of the nodes are configured with their designated role, [connect each data-only node to Discover and Command appliances](#). Manager nodes should not be connected to a Discover or Command appliance.



**Tip:** [Learn how to add or remove nodes from a cluster that has manager nodes](#).

## Enable record ingest

1. Log in to the Administration settings on any data-only node.
2. In the Explore Cluster Settings section, click **Cluster Data Management**.
3. Click **Enable Record Ingest**.