

# How to use cluster logs to find out whether a metadata sync took place?

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## Introduction

This document describes how to use cluster logs to find out whether a metadata sync took place.

## How to use cluster logs to find out whether a metadata sync took place?

You can verify whether a metadata sync is taking place across nodes by turning on cluster logging, and then viewing the entries in the cluster logs.

Here is an example. For the sake of simplicity, let's assume a 2-node cluster.

1. Go to **Studio >Server > Configuration> Cluster** and set the **Cluster Logging Detail Level** to **ALL**
2. Make a change to a resource on any node. For instance, you make a minor edit to a View or Procedure on Node 1. Now verify whether this change has propagated to Node 2.
3. Wait for a few moments, then inspect the cluster logs of each node. The logs are located under the **CIS\_INSTALL\_DIR/logs/cluster** folder of each node.

If the sync took place, you will see these messages in the cluster logs.

Node 1 cluster log will contain this entry: ABOUT TO SEND MESSAGE:  
NOTIFY\_ABOUT\_CHANGE

Node 2 cluster log will contain this entry: RECEIVED

Node 2 cluster log will contain this entry: APPLIED CHANGE

The messages are explained here:

NOTIFY\_ABOUT\_CHANGE: means that Node 1 detected that you made a metadata change, and that Node 1 is about to send the change across the network to the other node.

RECEIVED: means that Node 2 received the change from Node 1.

APPLIED CHANGE: means that Node 2 applied the change that it received (i.e. node 2 is now in sync with node 1).

These three entries indicate that a metadata sync was initiated by Node 1, was received by Node 2, and was subsequently applied by Node 2, respectively.