

# Enable Debug Mode for Logging in CCM / CCO

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## Introduction

This document describes how to enable debug logging in both the CCM and CCO.

## Prerequisites

## Requirements

There are no specific requirements for this document.

## Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

## Enable Debug logging in CCM and CCO

To increase the logging level for the osmosix.log on the CCM / CCO, you need to change the level value from **info** to **debug** for **com.osmosix** and **com.cliqr**.

Modify this file on the CCM / CCO:

```
/usr/local/tomcat/webapps/ROOT/WEB-INF/classes/log4j.xml
```

Change:

```
<logger name="com.osmosix">
  <level value="info" />
</logger>

<logger name="com.cliqr">
  <level value="info" />
</logger>
```

to

```
<logger name="com.osmosix">
  <level value="debug" />
</logger>
```

```
<logger name="com.cliqr">
  <level value="debug" />
</logger>
```

Also, add this if it's not in the **log4j.xml** file (It is listed under **Apache HttpClient logging** if it is already in the **log4j.xml**):

```
<logger name="com.osmosix">
  <level value="debug" />
</logger>
```

```
<logger name="com.cliqr">
  <level value="debug" />
</logger>
```

Please note that versions prior to 4.3.3 requires tomcat restart.

```
<logger name="com.osmosix">
  <level value="debug" />
</logger>
```

```
<logger name="com.cliqr">
  <level value="debug" />
</logger>
```