

Remote Syslog Analyzer/Collector Not Binding to the RME Server

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Introduction

This document provides information about why a remote Syslog Analyzer/Collector (SAC) fails to bind with the Resource Manager Essentials (RME) server and how to overcome the failure.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software or 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.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Problem

The remote SAC may fail to send syslog messages to the RME box because of a binding problem, which generates this Common Object Request Broker Architecture (CORBA) error:

```
*bindConnectSAR, Had problems binding to server
```

The error log at /opt/CSCOsac/lib/SyslogRemoteCollector.log shows this message on the remote box where SAC is installed:

```
org.omg.CORBA.OBJECT_NOT_EXIST:  
Could not locate the following Object:  
repository id : IDL:sareceiver/ISaReceiver:1.0
```

```

object name : BIGBOY.CISCO.COM::SaReceiver
host name : bigboy.cisco.com
minor code: 0  completed: No
at com.inprise.vbroker.orb.LocatorBidder.getBid(LocatorBidder.java:32)
at com.inprise.vbroker.ProtocolEngine.ManagerImpl.startBidding(ManagerImpl.java:114)
at com.inprise.vbroker.ProtocolEngine.ManagerImpl.getConnector(ManagerImpl.java:104)
at com.inprise.vbroker.orb.DelegateImpl._bind(DelegateImpl.java:184)
at com.inprise.vbroker.orb.DelegateImpl.bind(DelegateImpl.java:144)
at com.inprise.vbroker.CORBA.portable.ObjectImpl._bind(ObjectImpl.java:59)
at com.inprise.vbroker.orb.ORB.bind(ORB.java:1183)
at com.cisco.nm.sysloga.idl.sareceiver.ISaReceiverHelper.bind(ISaReceiverHelper.java:57)
at com.cisco.nm.sysloga.sac.CorbaCommunication.bindConnectSAR(CorbaCommunication.java:347)
at com.cisco.nm.sysloga.sac.CorbaCommunication.connectToOrb(CorbaCommunication.java:326)
at com.cisco.nm.sysloga.sac.FileReader.run(FileReader.java:484)
SyslogAnalyzer- Mon Oct 15 17:37:37 CDT 2001 5 *bindConnectSAR, Had
problems binding to server, will try to reconnect 5 times. Waiting 60 seconds
in between each try.

```

Solution

Follow these steps to resolve the issue:

1. On the UNIX box where remote SAC is installed, look at the `/opt/CSCOsac/lib/classpath/com/cisco/nm/sysloga/sac/SAenvProperties.ini` file and verify its entries.

- ◆ `FILE= /var/log/syslog_info` This should be the same as the `local7` entry in the `/etc/syslog.conf` file on the machine that is running RME.
- ◆ `SAC_PORT = 9000` This is the port number into which syslog is coming (typically 514).
- ◆ `SAC_SERVER: bigboy.cisco.com`
- ◆ `SAC_SERVER_PORT: 42342`
- ◆ `VERSION: 1.1`
- ◆ `BINDNAME: bigboy::SaReceiver` (Must match the `SAC_SERVER` entry.)
- ◆ `DEBUG_LEVEL: 4`
- ◆ `SA_APP_NAME: SyslogAnalyzer`

Note: To make this remote syslog work correctly, the `BINDNAME` must match the values set for the `SAC_SERVER` variable, followed by `::SaReceiver`.

For example, if `SAC_SERVER` is set to `bigboy.cisco.com`, then the `BINDNAME` variable must be `bigboy::SaReceiver`.

2. They both *must* also match the `PX_HOST` parameter on the host that is running RME. The `PX_HOST` parameter is set in these files:

- ◆ `/opt/CSCOpX/lib/classpath/md.propertis`
- ◆ `/var/sadm/pkg/CSCOmD/pkginfo`

3. After you make these changes, stop and restart the remote SAC:

```

#Testbox:/> cd /opt/CSCOsac/lib

#Testbox:/> ./sacStop.sh

Executing the SACstop script

Testbox:/> ./sacStart.sh

Starting Remote Syslog Analyzer Collector...
The start script has completed.
#Testbox:/>

```

This should fix a problem with the remote SAC's failure to bind to the RME server.

Related Information

- **Resource Manager Essentials and Syslog Analysis: How-To**
 - **How To Set Up and Debug the Syslog Facility on a Sun Workstation Using the RME SyslogAnalyzer Application**
 - **Technical Support & Documentation – Cisco Systems**
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