Remote System for Log Processing

Setup Guide

Eli-v6.5.391

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1 Introduction

This document is intended to guide a user through the setup of Remote System Logging for use with Bridgeworks technology. It covers the specific configuration steps required on a Node to set up a typical remote logging system.

1.1 Remote Logging Overview

Remote logging is an extension of the original system logging and is a way to log messages to remote logging hosts using TCP or UDP connections.

Each remote logging host connection can be created with individualised rulesets indicating the type of connection and how secure the connection should be.

2 Requirements

To demonstrate Remote Logging configuration and usage, this guide requires there be a system running Rsyslog, or other syslog compatible logging server accessible on the Node's management network.

For more general Node setup information, please see the appropriate guides/manuals for your platform and specific product.

The same remote logging host can be configured for multiple Nodes, with each Node's log being recorded.

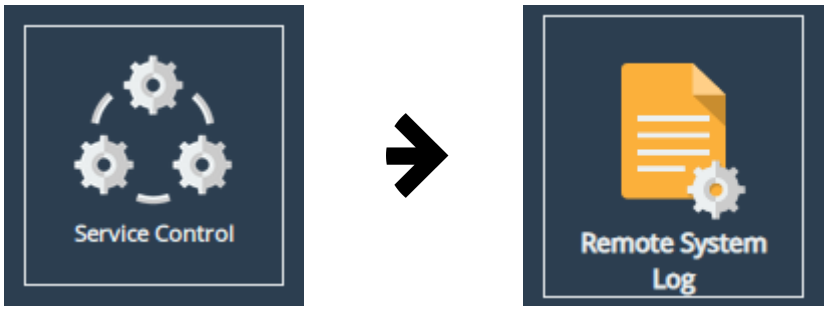
Important: Each Node can only handle a maximum of 10 unique remote logging servers, each receiving a copy of the Node's logs.

3 Procedure

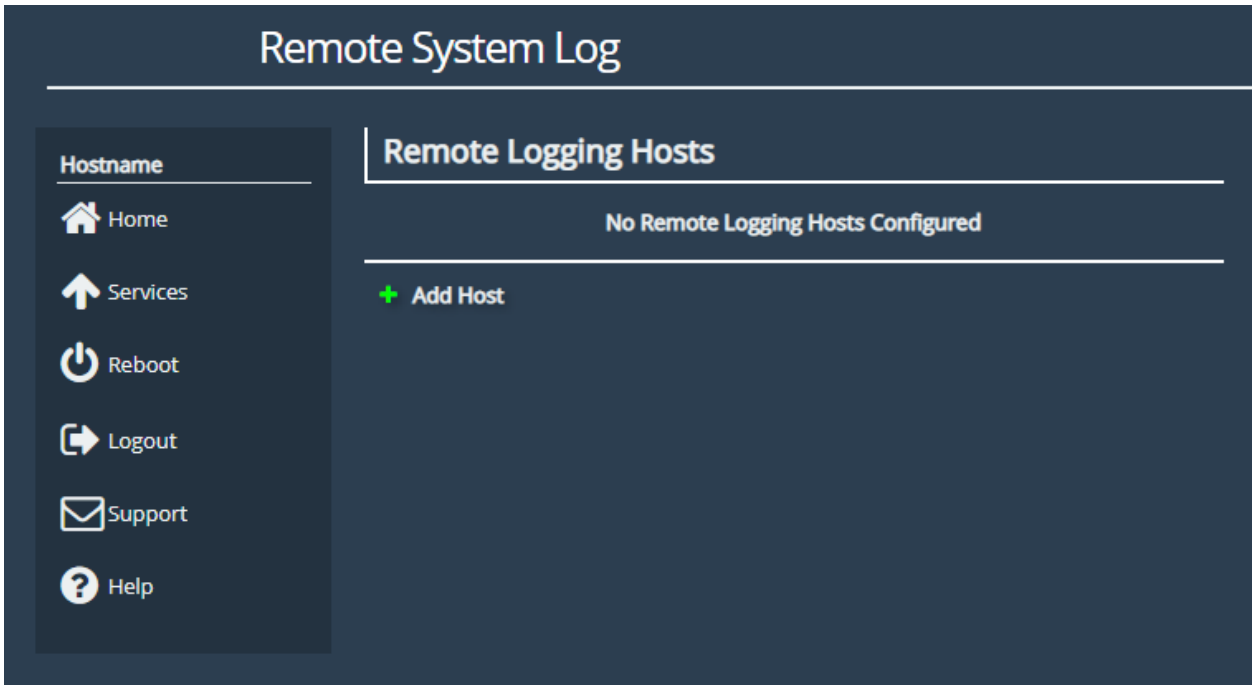
3.1 Enabling Remote Logging

Navigate to the Node's web interface and login.

From the Home screen, select the *Service Control* icon; then left click on the *Remote System Log* icon.



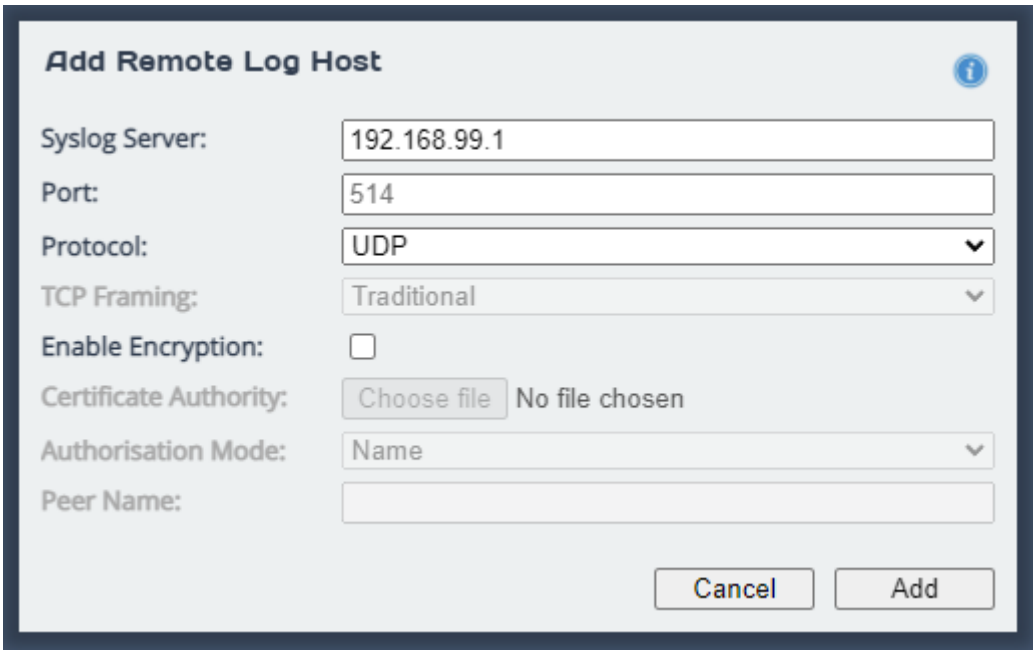
This page will display all the currently enabled remote logging connections. If there are no existing connections remote logging will be automatically disabled and display the message *No Remote Logging Hosts Configured*.



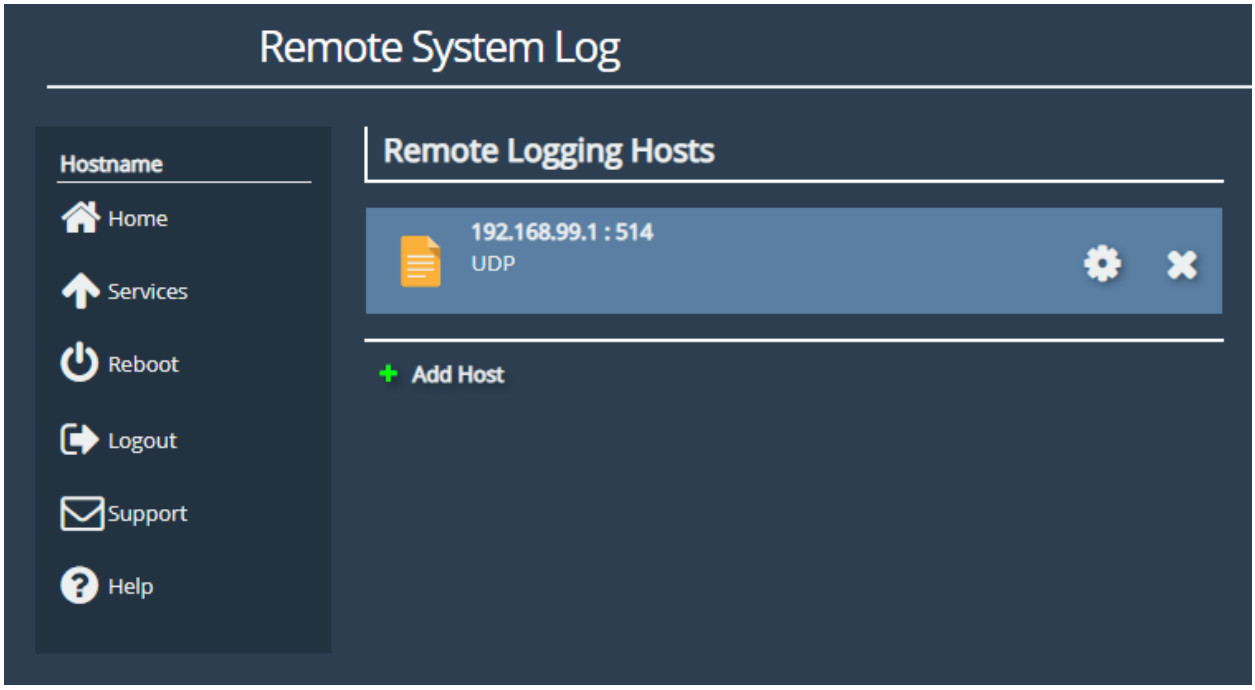
3.2 Adding a Remote Logging Host

First, select the *Add Host* button, which will open the *Add Remote Log Host* form.

Once all the desired fields have been completed, left click on the *Add* button at the bottom right of the form. Below is an example of an unencrypted UDP connection.

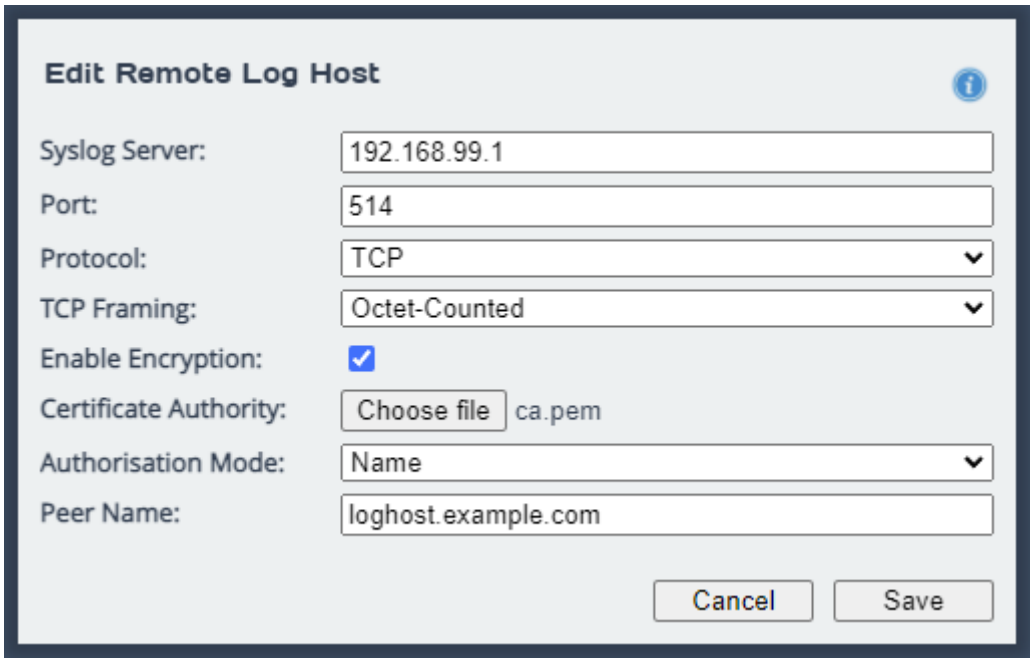


Once the host has been successfully added the connection will form immediately and the Remote System Log page will be updated to show this.



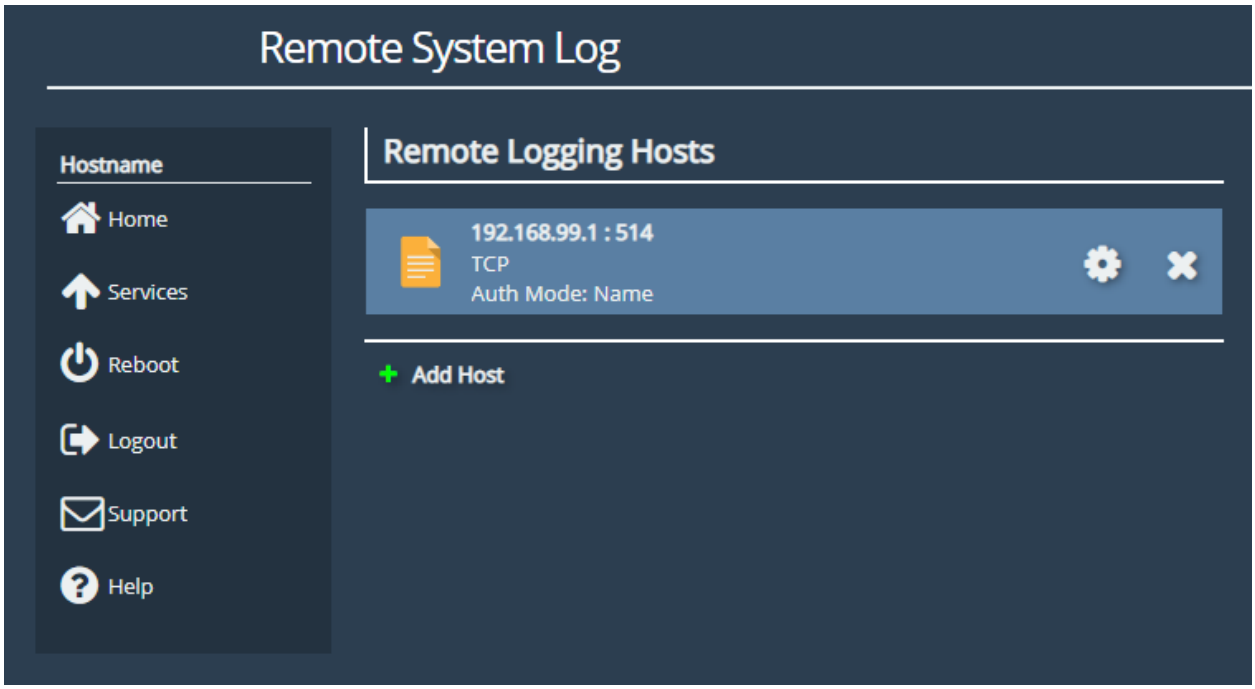
3.3 Editing a Remote Logging Host

You can also edit existing connections, updating anything from the address or port to encryption type. In this case you can update the connection made above, changing it from a UDP to a TCP connection and adding name encryption.



If you were updating an encrypted connection, which had a certificate authority uploaded, the form would look slightly different as it would include the option to remove the current certificate authority.

Once the desired fields have been updated left click on the *Save* button at the bottom right of the form. At this stage the new remote logging connection is now running.



	Note: Clicking the *Cancel* button or navigating away from the page before submitting any changes will not save them to the system.

4 Useful Links

Further documentation and support is available through our website: https://support.4bridgeworks.com/

If your question is not answered in our documentation, please submit a ticket: https://support.4bridgeworks.com/contact/

Bridgeworks recommends the Rsyslog open-source project's implementation of syslog, which is carried by most Linux distributions:

- https://www.rsyslog.com/