

---

# Rivendell Notification Protocol

Fred Gleason

## Table of Contents

Overview ..... 1

Object Types ..... 1

    Carts ..... 1

    Logs ..... 2

## Overview

This defines the IP protocol used to notify Rivendell components of changes to the state of database objects. Messages are sent by means of multicast UDP packets to port 20539.

The format of a message is as follows:

NOTIFY *obj-type action id*

<i>obj-type</i>	The object type to which the message pertains.	
<i>action</i>	The action being reported. The following actions are defined:	
	ADD	The referenced object has just been added to the database.
	DELETE	The referenced object has just been deleted from the database.
	MODIFY	The reference object has just been modified in the database.
<i>id</i>	Unique id of the object.	

## Object Types

The following object types are defined:

### Carts

#### CART

Table 1. Cart Fields

Field	Value
obj-type	CART
id	Cart number
type	Unsigned Integer

# Logs

LOG

**Table 2. Log Fields**

Field	Value
obj-type	LOG
id	Log name
type	String