

# Match Resolution Endpoint Notification

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## About the Endpoint Notification Protocol

When a [Pending Match Request](#) is resolved, Match can be configured to send a JSON message to a URL endpoint. This allows automatic business processes to be triggered once a Reconciliation Manager reviews and resolves a Pending Match.

(This Notification protocol is not part of the [TAP Match API](#).)

## Configuration

⚠ Currently only one Endpoint is supported per Matchgrid.

1. From the Matchgrid configuration page, select *Endpoints*, then **+** Add a New Endpoint.
  - a. **URL**: The exact URL the notification will be sent to
  - b. **Username**: If required, the username to authenticate with (using Basic Authentication).
  - c. **Password**: If required, the password to authenticate with (using Basic Authentication).
2. From the Matchgrid configuration page, select *Matchgrid Settings*.
  - a. **Resolution Notification Endpoint**: Select the Endpoint created above.

## Message Format (version 1)

### JSON Document

The JSON message format is described in this [JSON Schema document](#).

- `sor`: The [System of Record](#) label, as configured
- `sorid`: The System of Record Identifier, as provided in the initial match request
- `requestId`: The identifier assigned by Match to the initial match request

#### Example Notification

```
{
  "meta": {
    "source": "CManage Match",
    "event": "match-resolution",
    "format": "1"
  },
  "sor": "hrms",
  "sorid": "A595847",
  "matchRequest": "136",
  "referenceId": "ac22eb2b-37a8-4faa-b427-8b5a399d9fcf",
  "resolutionTime": "2022-08-07T15:00:03Z"
}
```

## Transfer Protocol

The JSON document will be transferred to the exact URL as configured using HTTP POST. The content-type will be set to `application/json`.

## Endpoint Response Codes

### Success

Any HTTP Response Code in the 2xx range ( $\geq 200$ ,  $\leq 299$ ) is treated as successfully sent.

### Error

Any other HTTP Response Code is treated as an error. On error, the endpoint may return a simple JSON document with an error that will be recorded in the Matchgrid History for the subject SOR/SORID.

#### Example Error Message

```
{
  "error": "Something went wrong"
}
```

There is not currently a mechanism for retrying notifications that were not accepted by the endpoint.

## Integration with CManage Registry

CManage Registry can be configured to process Endpoint Notifications, as described [here](#).

## Changes From Earlier Versions

### As of Match v1.1.0

- Match Resolution Endpoint Notification capability introduced.