

# How to Install Event Service

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## Overview

The Event Gridding service is a REST service that listens on port 8000. The service is a Node.js application run through Fire Daemon.

## Club Speed Server Setup

1. Install latest version of Node.js (may already be installed):  
<http://www.nodejs.org>
2. Extract Event Builder source from Google Drive to C:\ClubSpeedApps\event-builder
3. Go to command prompt into the event-builder directory and install libraries needed:
4. npm install

To test run “node rest-server.js” from command line. You should get Listening messages showing that the application is listening for requests.

## Install Integration App in Fire Daemon

- Create a new service called “GriddingService”
- Executable: C:\Program Files\nodejs\node.exe
- Working Directory: C:\ClubSpeedApps\event-builder
- Parameters: rest-server.js

## Testing/Troubleshooting

You may manually run the program by issuing this command from the directory: “node rest-server.js”

### Curl Command to Test

This command may be run with curl or you can manually send a POST command through any API tester. Note the Content-Type and body of the request (-d parameter).

```
curl -i -X POST -H "Content-Type: application/json" -d '{"participants": [{"name": "Wes", "points": 5, "bestAverageLaptime": 31, "bestLaptime": 35.234, "startingPosition": 3, "finishingPosition": 5}, {"name": "Glenda", "points": 3, "bestAverageLaptime": 33, "bestLaptime": 33.234, "startingPosition": 2, "finishingPosition": 4}, {"name": "Max", "points": 3, "bestAverageLaptime": 35, "bestLaptime": 33.536, "startingPosition": 1, "finishingPosition": 3}]}'
```

```
{"name":"Tommy","points":2,"bestAverageLaptime":34,"bestLaptime":36.234,"startingPosition":4,"finishingPosition":2},
{"name":"Shakib","points":0,"bestAverageLaptime":32,"bestLaptime":31.234,"startingPosition":5,"finishingPosition":1}], "options": { "maxDrivers": 3 } }
```

<http://127.0.0.1:8000/grid/bestLapTime>

Here's a version of the command that you can copy/paste into the Command Prompt while in the same directory as curl.exe. If curl.exe is missing or not working, you can download the 64-bit version here: <http://curl.haxx.se/download/curl-7.33.0-win64-ssl-sspi.zip>

```
curl -i -X POST -H "Content-Type: application/json" -d "{ \"participants\":
[ { \"name\": \"Wes\", \"points\": 5, \"bestAverageLaptime\": 31, \"bestLaptime\": 35.2
34, \"startingPosition\": 3, \"finishingPosition\": 5 },
{ \"name\": \"Glenda\", \"points\": 3, \"bestAverageLaptime\": 33, \"bestLaptime\": 33.
234, \"startingPosition\": 2, \"finishingPosition\": 4 },
{ \"name\": \"Max\", \"points\": 3, \"bestAverageLaptime\": 35, \"bestLaptime\": 33.53
6, \"startingPosition\": 1, \"finishingPosition\": 3 },
{ \"name\": \"Tommy\", \"points\": 2, \"bestAverageLaptime\": 34, \"bestLaptime\": 36
.234, \"startingPosition\": 4, \"finishingPosition\": 2 },
{ \"name\": \"Shakib\", \"points\": 0, \"bestAverageLaptime\": 32, \"bestLaptime\": 31.
234, \"startingPosition\": 5, \"finishingPosition\": 1 } ], \"options\": { \"maxDrivers\":
3 } }" http://127.0.0.1:8000/grid/bestLapTime
```

## Curl Command Test Fails

This can sometimes be caused by encryption being enabled on some of the files in the node\_modules directory. An easy fix is to delete the contents of node\_modules and to re-run the “npm install” command from the Command Prompt while in the event-builder directory.