

## QGIS Application - Bug report #17669

### GeoJSON export includes z-dimension even if unticked

2017-12-11 10:55 AM - Johannes Kroeger

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Nyal Dawson	
<b>Category:</b> Unknown	
<b>Affected QGIS version:</b> 2.18.14	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 25566

#### Description

Load the following GeoJSON

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature", "properties": {},
      "geometry": { "type": "Polygon", "coordinates": [[
        [ 0, 0, 0 ],
        [ 1, 0, 0 ],
        [ 1, 1, 0 ],
        [ 0, 1, 0 ],
        [ 0, 0, 0 ]
      ]]
    }
  ]
}
```

and inspect the metadata:

```
Geometry type of the features in this layer
Polygon (WKB type: "PolygonZ")
```

You see it has a z-dimension.

Now save the layer as new GeoJSON file, force the geometry type to Polygon and **untick** "Include z-dimension".

The new file will still include the z coordinates even though we told QGIS to not include it.

This does not happen when saving to Shapefile, I did not try others. The GeoJSON spec allows a third element in the coordinates array so the input seems to be valid.

#### Associated revisions

Revision 0f22a29b - 2018-10-26 08:57 AM - Nyal Dawson

Fix dropping/adding z dimensions to certain output data types  
where the layer geometry type is defined by features, not preset  
in advance

Fixes #20220, #17669

## History

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### #1 - 2018-10-26 12:19 AM - Jason Ferrier

This issue is still happening with 3.2.3.

It is not limited to GeoJSON and also affects CSV, so I created an issue for that as well: #20220

### #2 - 2018-10-26 02:14 AM - Nyal Dawson

- Assignee set to Nyal Dawson
- Status changed from Open to In Progress

### #3 - 2018-10-26 08:57 AM - Nyal Dawson

- % Done changed from 0 to 100
- Status changed from In Progress to Closed

Applied in changeset commit:qgis|0f22a29b9dccc13010d300bf101ab46cda813dc0.