

# Application: gvSIG desktop - gvSIG bugs #2292

## Bad implementation of FLyrVect.getFullEnvelope()

02/05/2014 11:08 AM - Jose Manuel Vivó Arnal

<b>Status:</b> Outdated	<b>% Done:</b> 0%
<b>Priority:</b> Normal	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b>	
<b>Category:</b> Document view	
<b>Target version:</b>	
<b>Severity:</b>	<b>Add-on version:</b>
<b>gvSIG version:</b> 2.1.0	<b>Add-on build:</b>
<b>gvSIG build:</b> 2218	<b>Add-on resolve version:</b>
<b>Operative System:</b>	<b>Add-on resolve build:</b>
<b>Keywords:</b>	<b>Proyecto:</b>
<b>Has patch:</b> No	<b>Hito:</b>
<b>Add-on name:</b> Unknown	

### Description

In FLyrVect.getFullEnvelope() I found this:

```
// Esto es para cuando se crea una capa nueva con el fullExtent de ancho
// y alto 0.
if (rAux == null || rAux.isEmpty() || rAux.getMaximum(0) - rAux.getMinimum(0) == 0
    && rAux.getMaximum(1) - rAux.getMinimum(1) == 0) {
    try {
        rAux =
            geomManager.createEnvelope(0, 0, 90, 90, SUBTYPES.GEOM2D);
    } catch (CreateEnvelopeException e) {
        logger.error("Error creating the envelope", e);
        e.printStackTrace();
    }
}
```

So, if a vectorial layer is empty, **always a returns a envelope of (0 0,90 90)**. Ignoring the fact that this coordinate can be inappropriate for current View (and there's no way to know it), I think that, in this case, an **empty envelope should be returned**. **The method which requires the full envelope must be in charge of manage this state** (a empty layer).

An example of this is FLayers.getFullEnvelope() which must check it.

Also, DefaultEnvelope.add(Envelope) must check if received envelope is empty.

I don't provide a patch due to this change could produce many side effects.

### History

#1 - 02/05/2014 11:58 AM - Álvaro Anguix

- Assignee set to Joaquín del Cerro Murciano

- Target version set to 2.1.0-2223-rc1

#2 - 02/20/2014 11:52 AM - Álvaro Anguix

- Target version changed from 2.1.0-2223-rc1 to 2.2.0-2311-rc2

**#3 - 04/04/2014 10:28 AM - Álvaro Anguix**

- *Priority changed from High to Normal*

**#4 - 04/04/2014 10:36 AM - Álvaro Anguix**

- *Assignee deleted (Joaquín del Cerro Murciano)*

**#5 - 01/28/2015 12:05 PM - Álvaro Anguix**

- *Target version deleted (2.2.0-2311-rc2)*

**#6 - 03/04/2020 02:34 PM - Álvaro Anguix**

- *Category set to Document view*

**#7 - 10/18/2023 02:09 PM - Álvaro Anguix**

- *Status changed from New to Outdated*