

# Servicios Web Geográficos

Unidad I

## Herramientas Cliente-Servidor

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UNIVERSIDAD NACIONAL DE COLOMBIA

SEDE BOGOTÁ

2017

# Herramientas

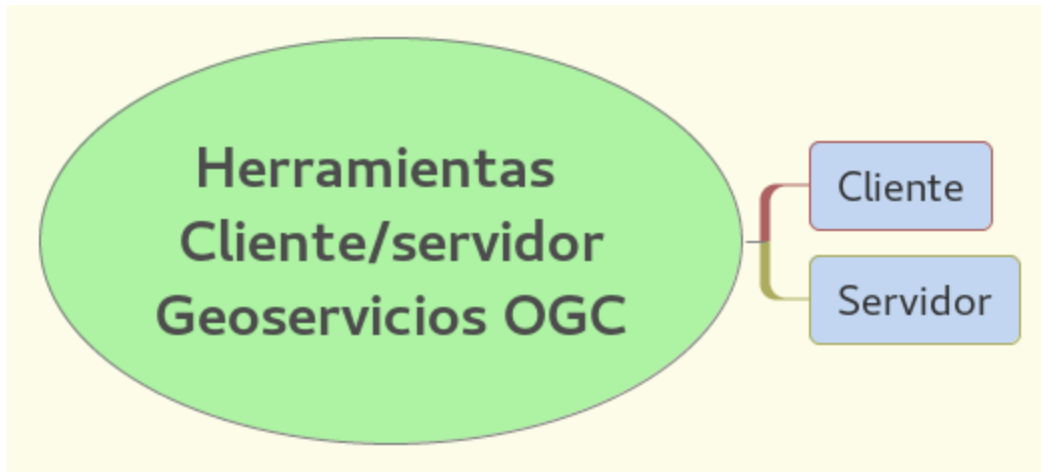
## Cliente/servidor

### Geoservicios OGC

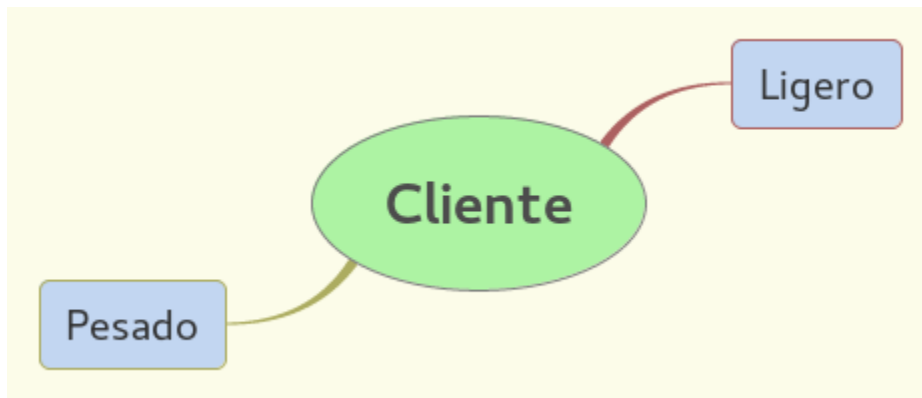
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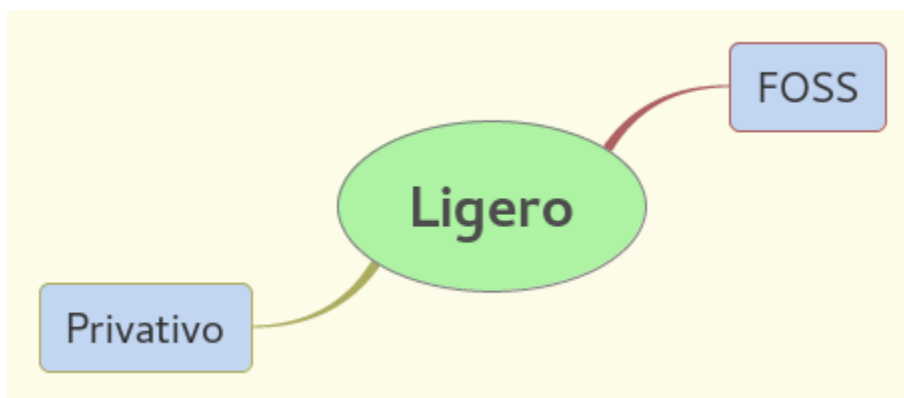
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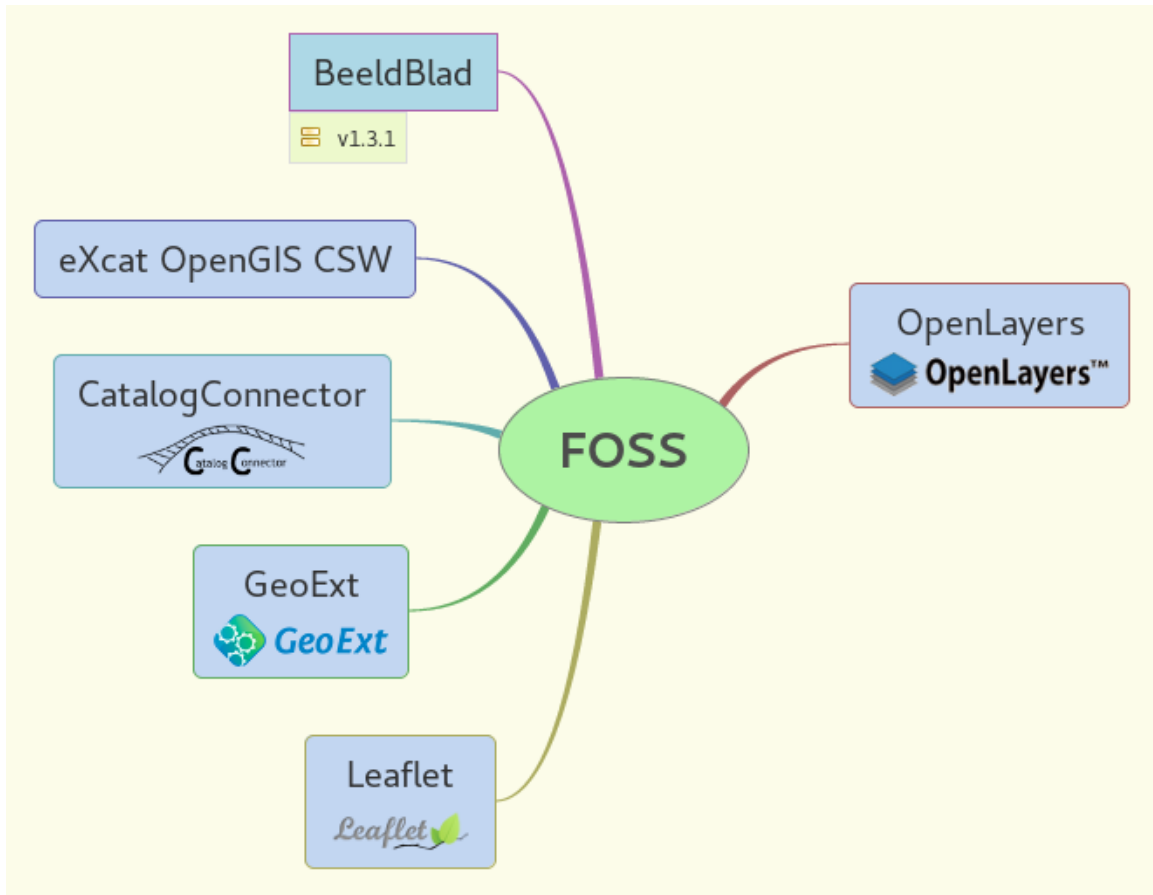
## 1. Cliente



### 1.1. Ligero



#### 1.1.1. FOSS



1.1.1.1. OpenLayers



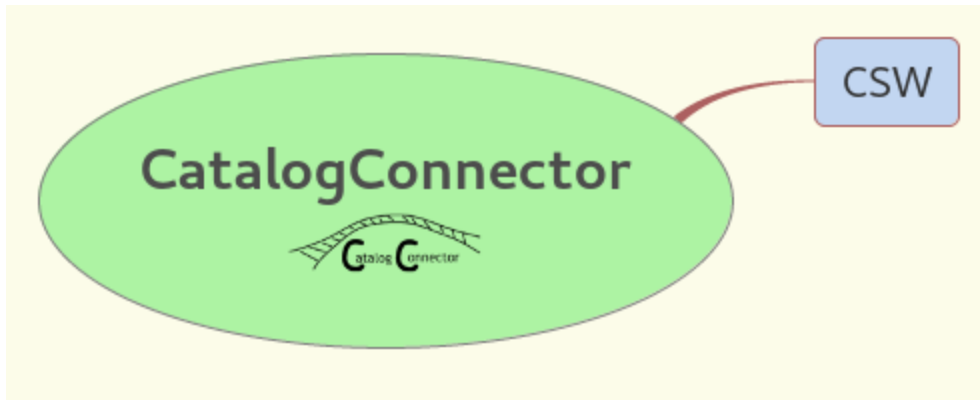
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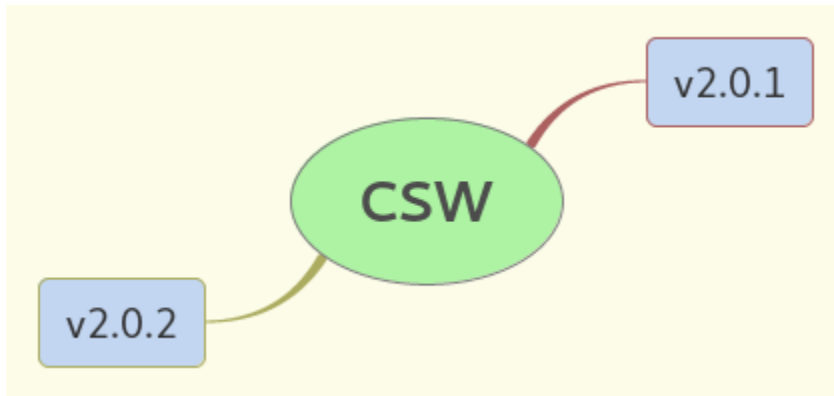
1.1.1.3. GeoExt



1.1.1.4. CatalogConnector



#### 1.1.1.4.1. CSW



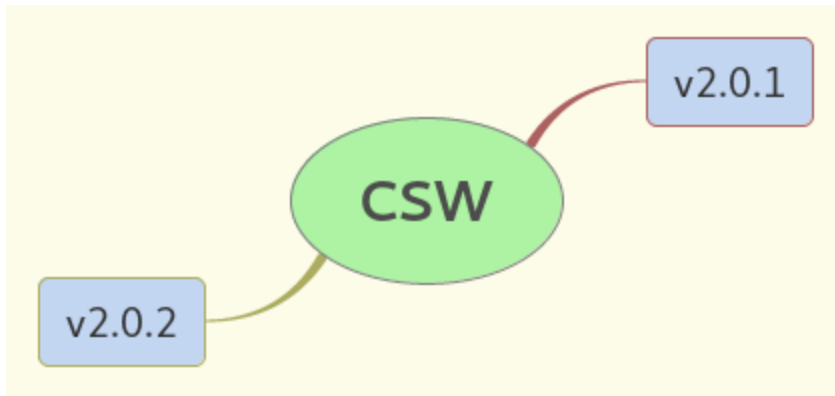
##### 1.1.1.4.1.1. v2.0.1

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#### 1.1.1.5. eXcat OpenGIS CSW



##### 1.1.1.5.1. CSW

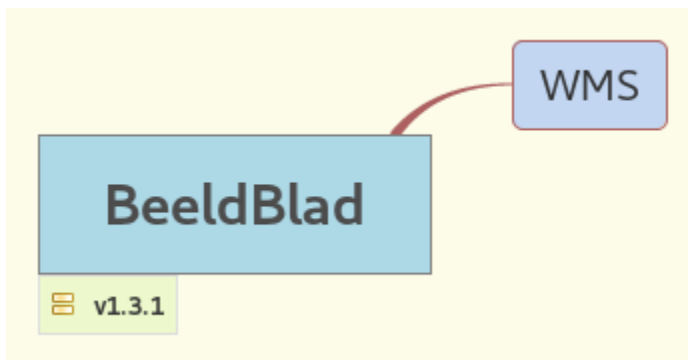


**1.1.1.5.1.1. v2.0.1**

**1.1.1.5.1.2. v2.0.2**

**1.1.1.6. BeeldBlad**

v1.3.1

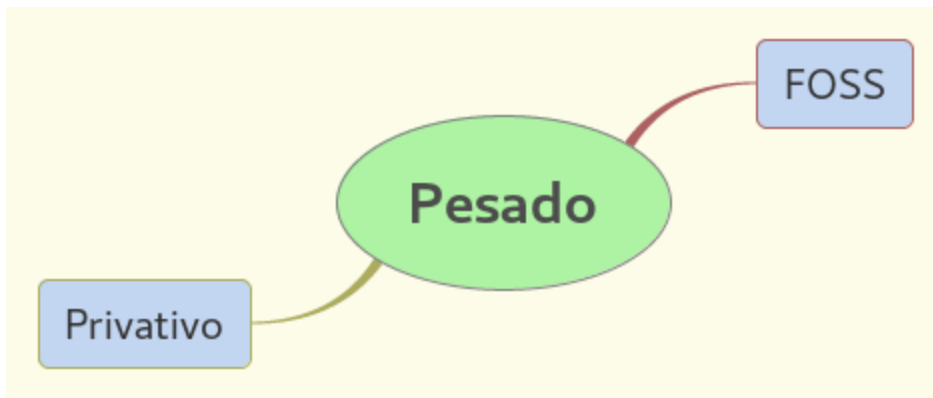


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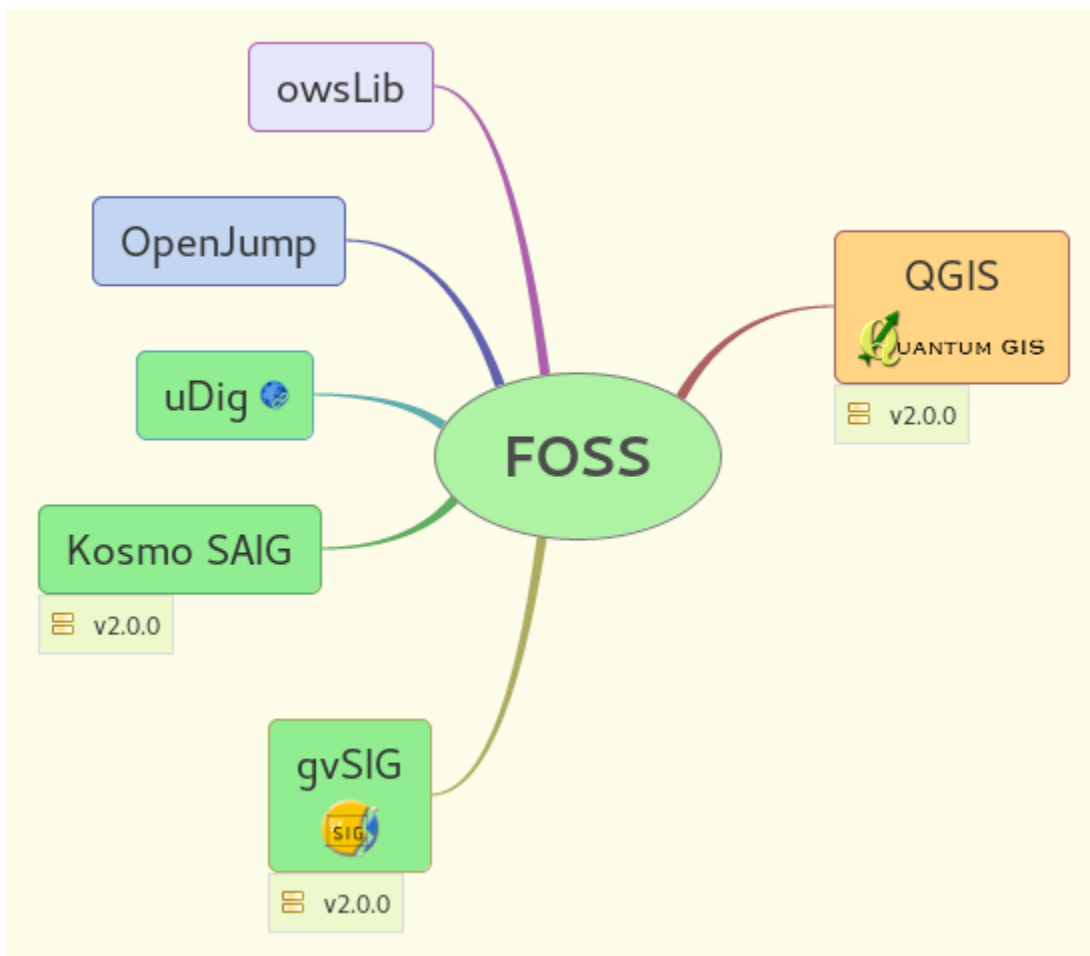
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**1.2. Pesado**



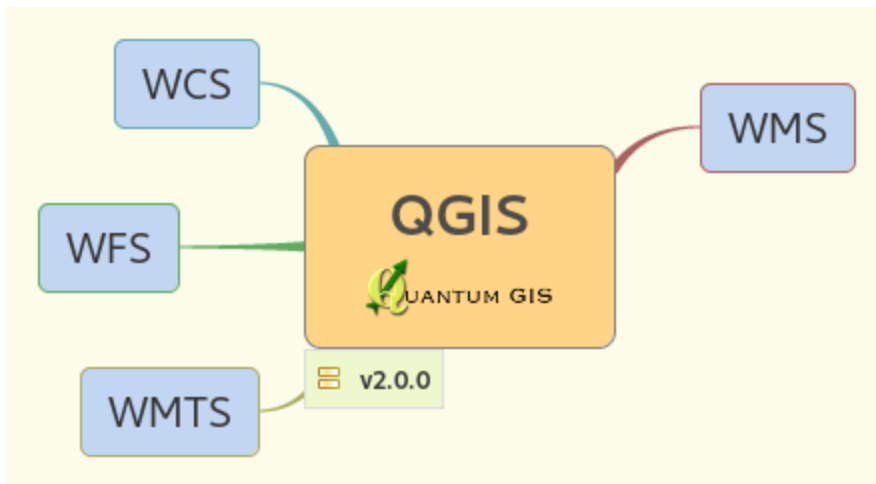


### 1.2.1. FOSS



#### 1.2.1.1. QGIS

v2.0.0



**1.2.1.1.1. WMS**

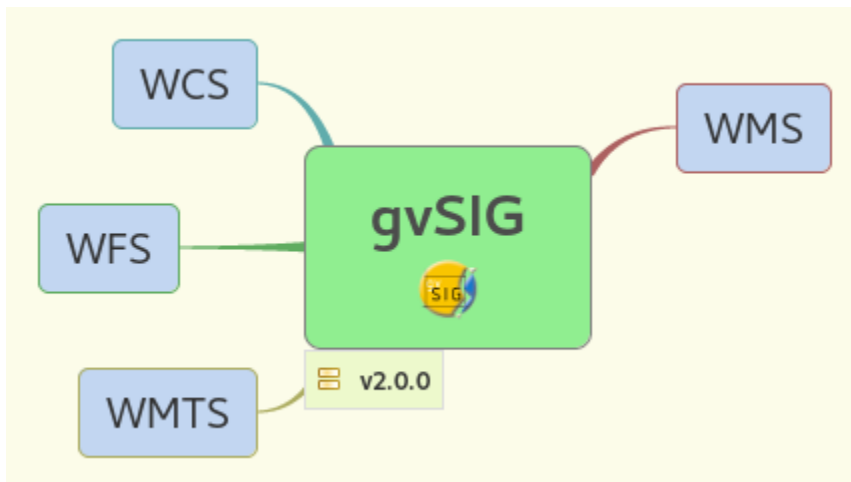
**1.2.1.1.2. WMTS**

**1.2.1.1.3. WFS**

**1.2.1.1.4. WCS**

**1.2.1.2. gvSIG**

v2.0.0



**1.2.1.2.1. WMS**

**1.2.1.2.2. WMTS**

**1.2.1.2.3. WFS**

**1.2.1.2.4. WCS**

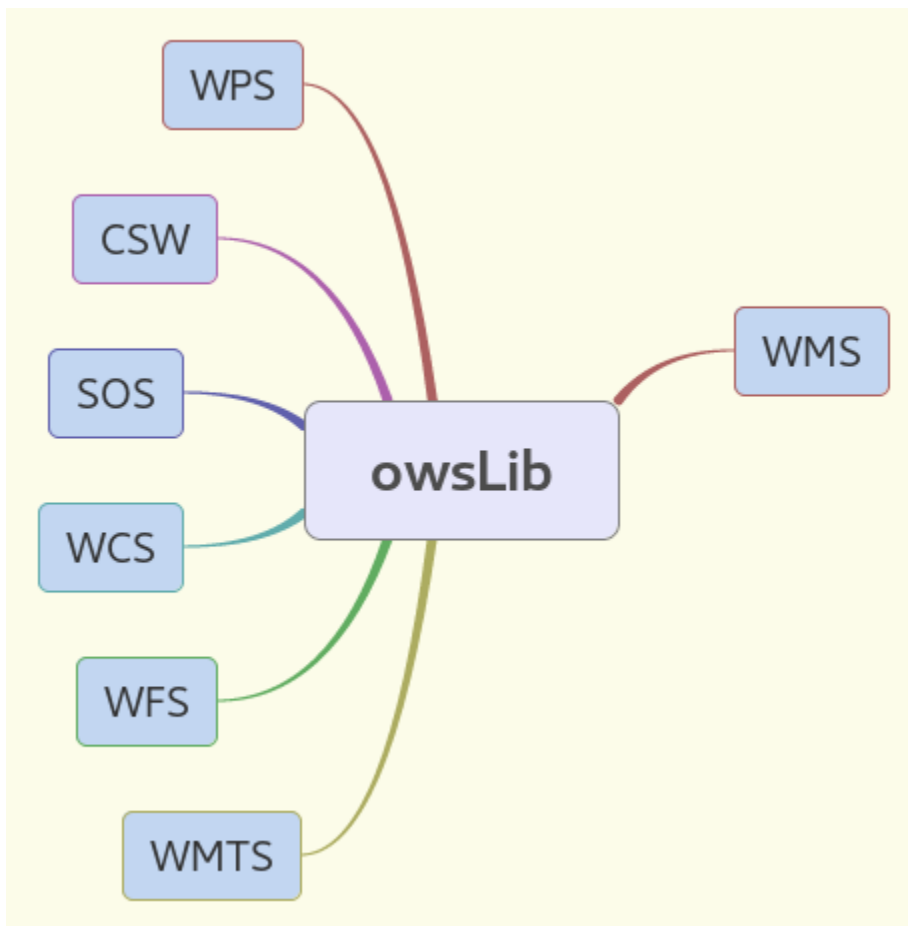
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v2.0.0

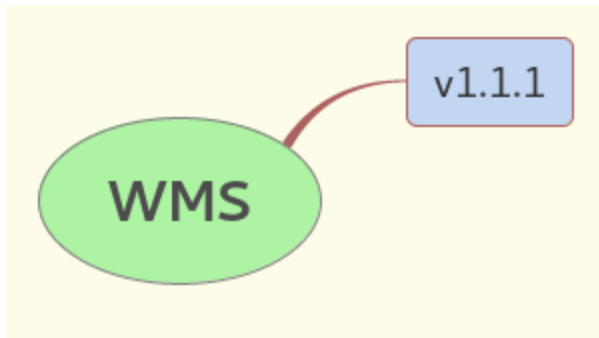
**1.2.1.4. [uDig](#)**

**1.2.1.5. OpenJump**

**1.2.1.6. owsLib**

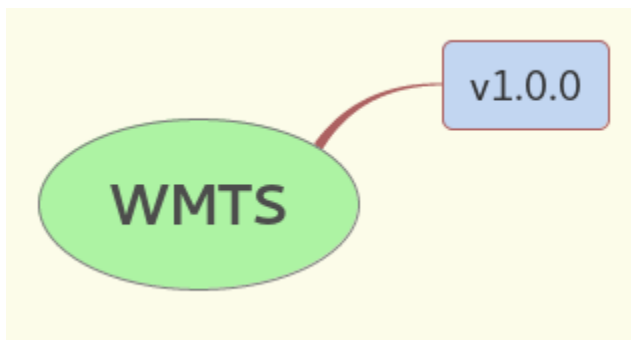


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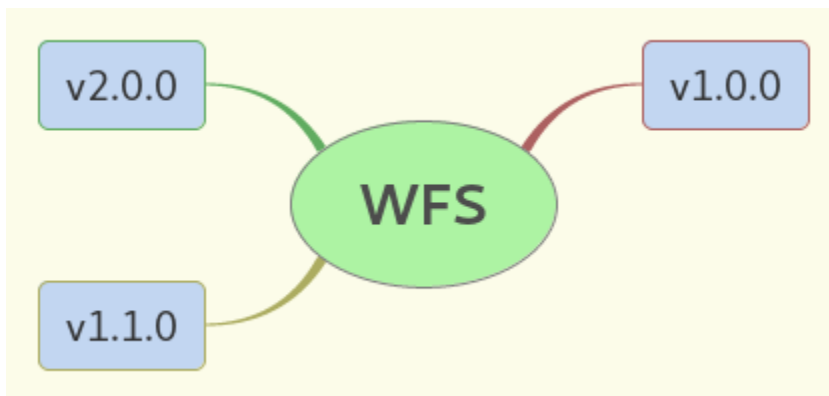
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**1.2.1.6.2. WMTS**



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**1.2.1.6.3. WFS**

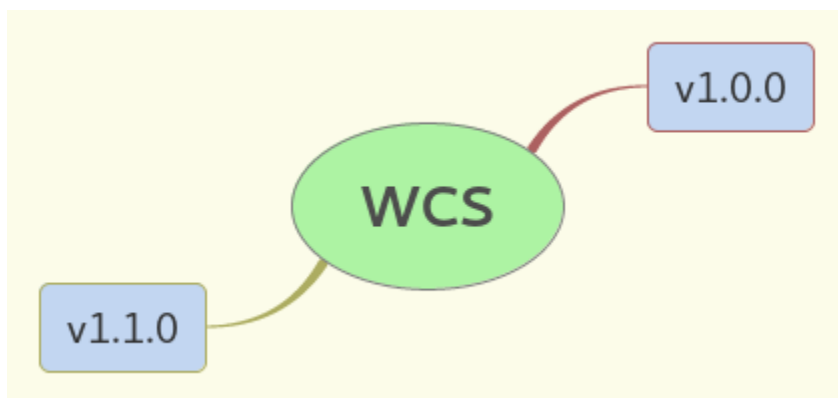


**1.2.1.6.3.1. v1.0.0**

**1.2.1.6.3.2. v1.1.0**

**1.2.1.6.3.3. v2.0.0**

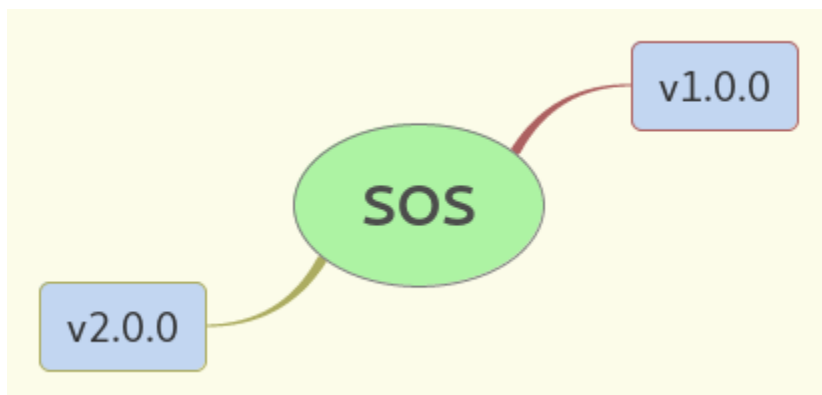
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##### 1.2.1.6.4.1. v1.0.0

##### 1.2.1.6.4.2. v1.1.0

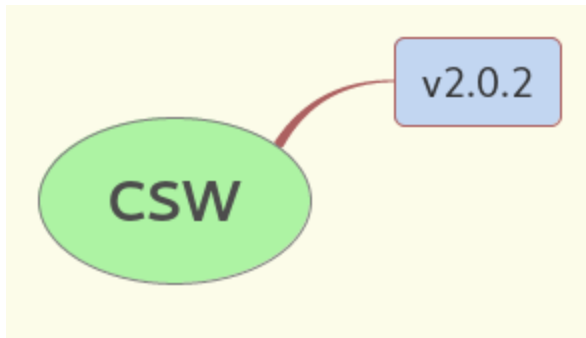
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##### 1.2.1.6.5.1. v1.0.0

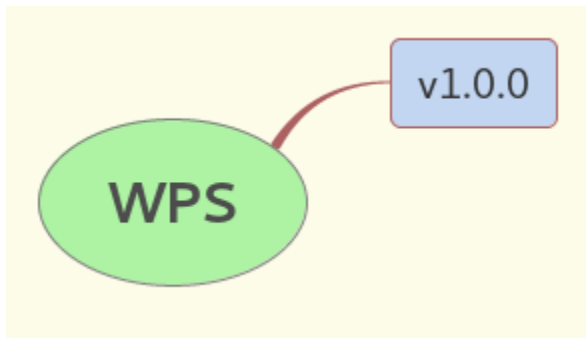
##### 1.2.1.6.5.2. v2.0.0

#### 1.2.1.6.6. CSW



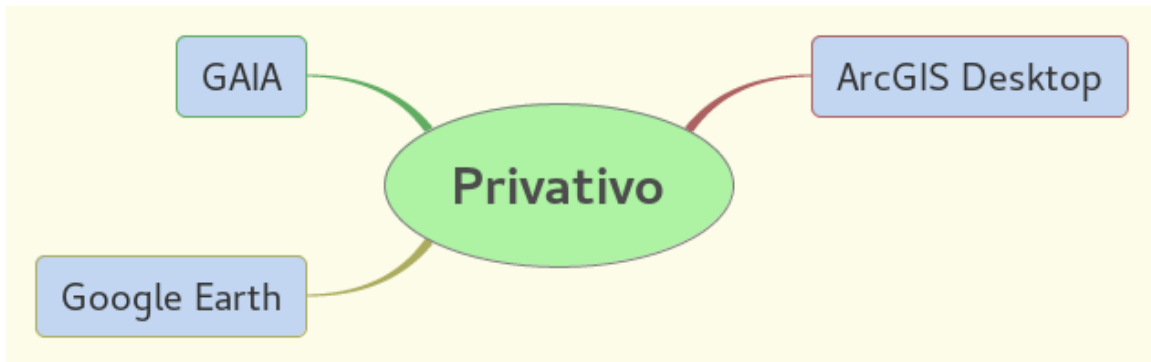
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**1.2.1.6.7. WPS**



**1.2.1.6.7.1. v1.0.0**

**1.2.2. Privativo**



**1.2.2.1. ArcGIS Desktop**



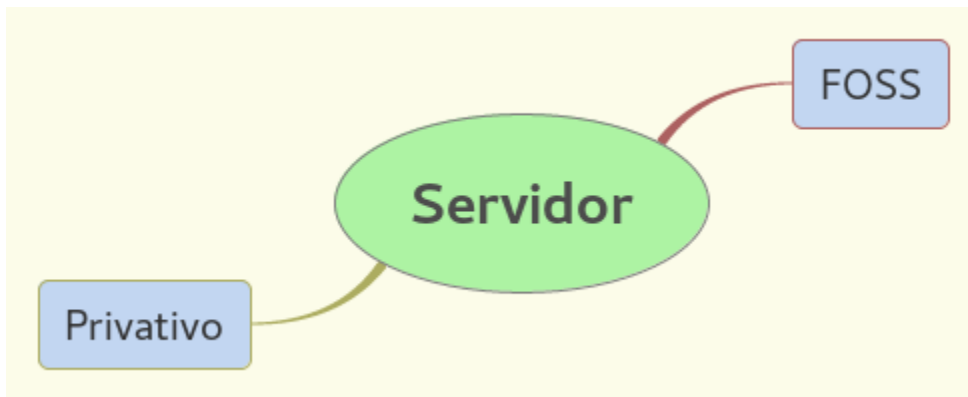
**1.2.2.1.1. WMS**

**1.2.2.1.2. WFS**

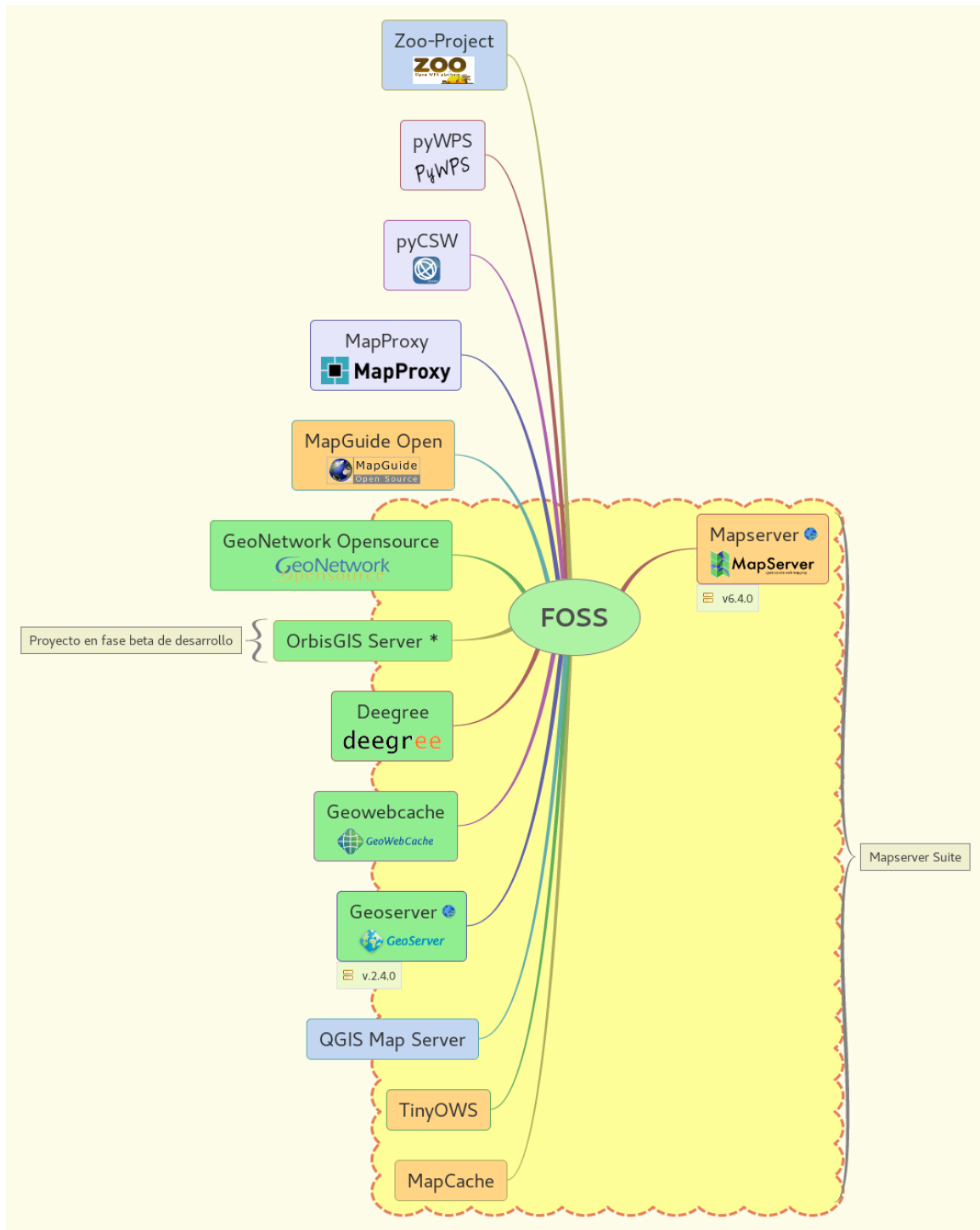
**1.2.2.2. Google Earth**

**1.2.2.3. GAIA**

## **2. Servidor**



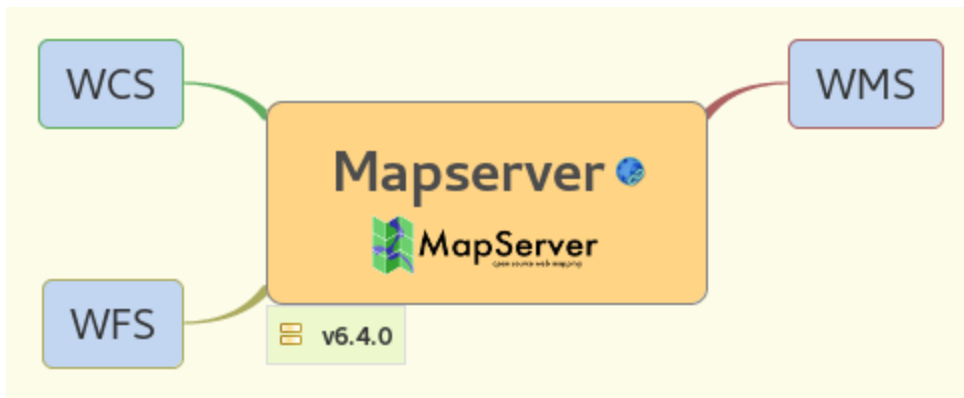
**2.1. FOSS**



### 2.1.1. [Mapserver](#)

v6.4.0



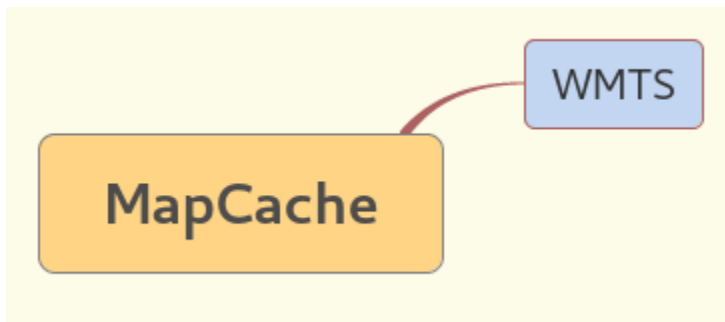


**2.1.1.1. WMS**

**2.1.1.2. WFS**

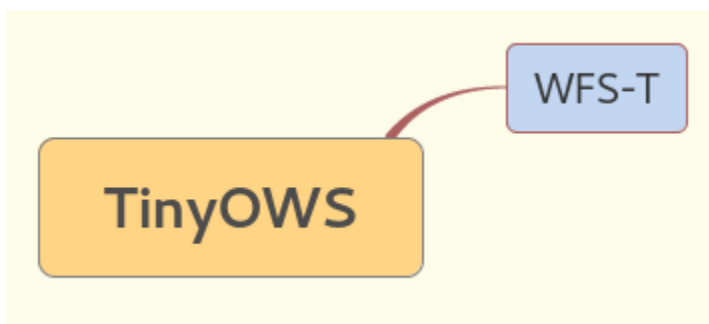
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**2.1.2. MapCache**



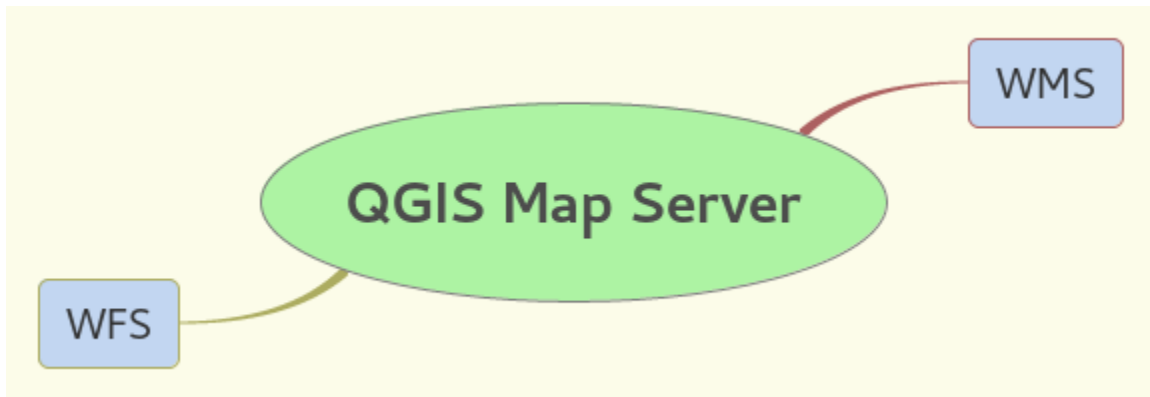
**2.1.2.1. WMTS**

**2.1.3. TinyOWS**

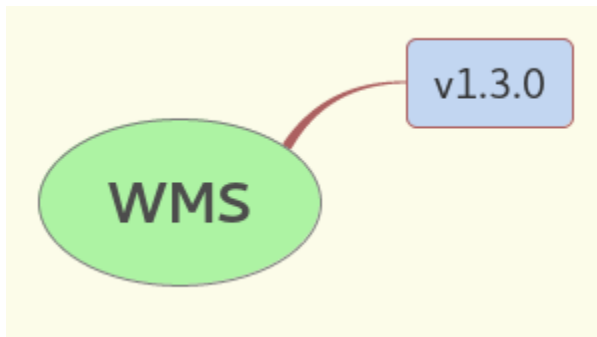


### 2.1.3.1. WFS-T

## 2.1.4. QGIS Map Server



### 2.1.4.1. WMS



#### 2.1.4.1.1. v1.3.0

### 2.1.4.2. WFS

## 2.1.5. [Geoserver](#)

v.2.4.0



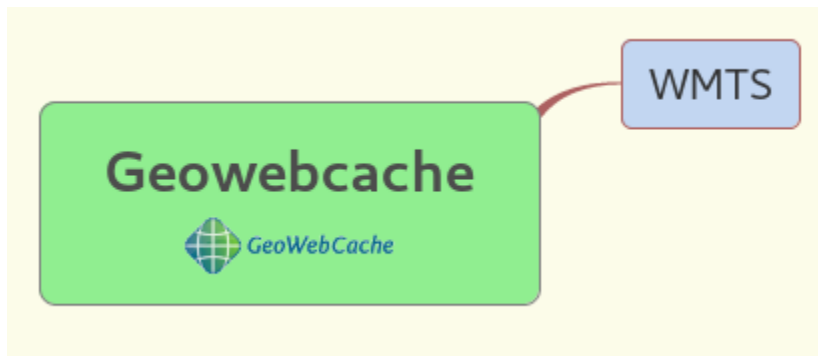


2.1.5.1. WMS

2.1.5.2. WFS

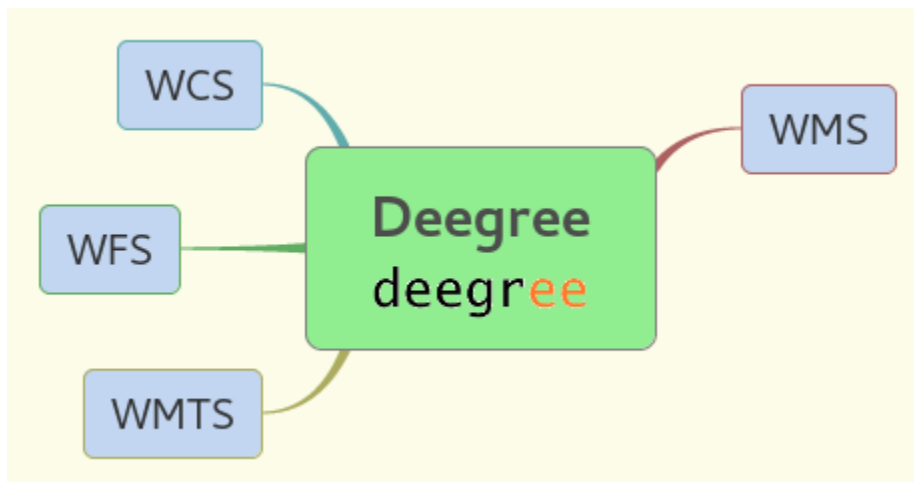
2.1.5.3. WCS

2.1.6. Geowebcache



2.1.6.1. WMTS

2.1.7. Deegree



deegree

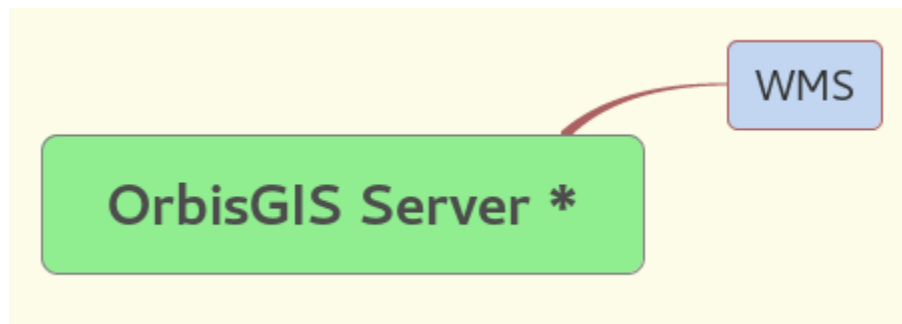
**2.1.7.1. WMS**

**2.1.7.2. WMTS**

**2.1.7.3. WFS**

**2.1.7.4. WCS**

**2.1.8. OrbisGIS Server \***



**2.1.8.1. WMS**

**2.1.9. GeoNetwork Opensource**



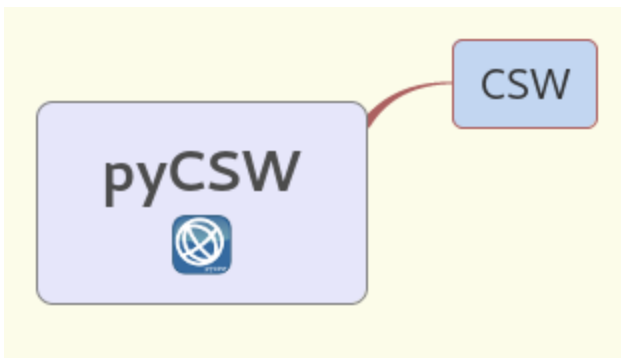
**2.1.10. MapGuide Open**



**2.1.11. MapProxy**

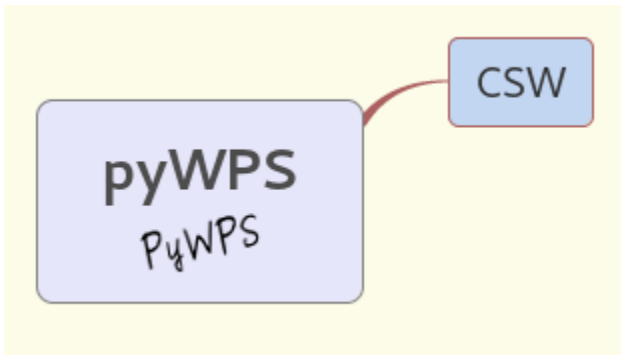


**2.1.12. pyCSW**



#### 2.1.12.1. CSW

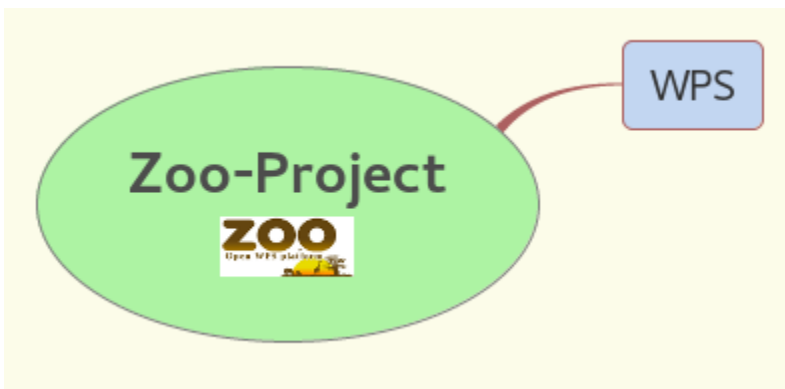
#### 2.1.13. pyWPS



PyWPS

#### 2.1.13.1. CSW

#### 2.1.14. Zoo-Project



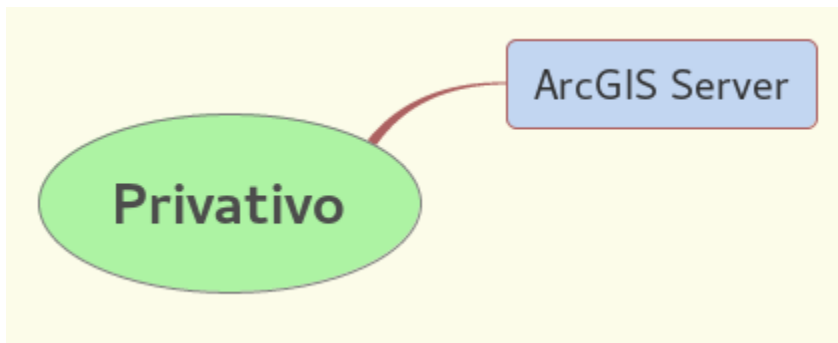


#### 2.1.14.1. WPS

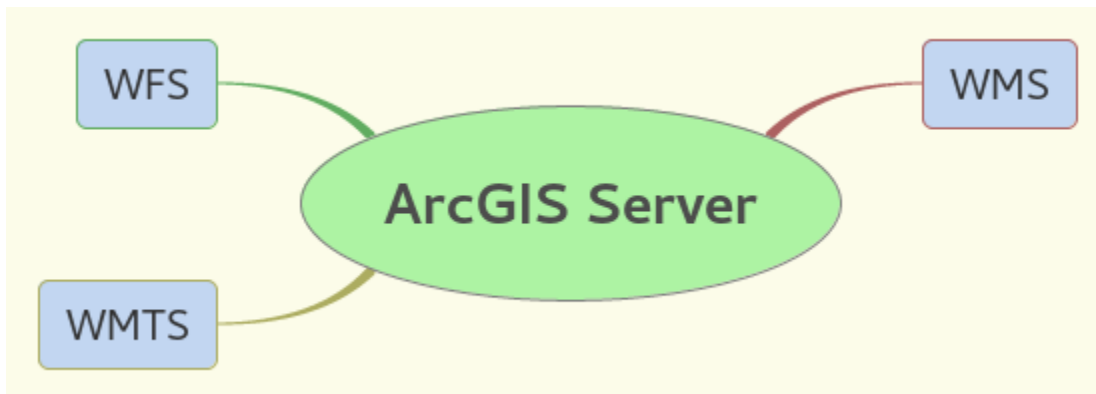
Mapserver Suite([Mapserver](#), [MapCache](#), [TinyOWS](#))

Proyecto en fase beta de desarrollo([OrbisGIS Server \\*](#))

### 2.2. Privativo



#### 2.2.1. ArcGIS Server



##### 2.2.1.1. WMS

##### 2.2.1.2. WMTS

##### 2.2.1.3. WFS