noupdate="1" attribute in XML data files ensures that the records inside the <data> tag **are not updated** when you upgrade the module.

<?xml version='1.0' encoding='utf-8'?>  
<odoo>  
 <data noupdate="1">  
 <record id="student\_one" model="practice.students">  
 <field name="name">Demo data student</field>  
 </record>  
 <record id="student\_two" model="practice.students">  
 <field name="name">Demo data student 2</field>  
 </record>  
 </data>  
</odoo>

**Since 17.0, the "attrs" and "states" attributes are no longer used.**

**Structure of attrs**

* **Key**: The attribute to be modified (invisible, readonly, required).
* **Value**: A list of domain expressions specifying the condition under which the attribute is applied.

**1. invisible:** You can hide a field based on a condition.

<field name="field\_name" attrs="{'invisible': [('state', '=', 'done')]}"/>

**2. readonly:** You can make a field read-only based on a condition.

<field name="field\_name" attrs="{'readonly': [('state', '=', 'confirmed')]}"/>

**3. required:** You can make a field required dynamically.

<field name="field\_name" attrs="{'required': [('state', '=', 'draft')]}"/>

**4. Combining Multiple Conditions:**

<field name="field\_name" attrs="{'invisible': ['&', ('state', '=', 'done'), ('user\_id', '!=', uid)]}"/>

**Using Modifiers in Odoo 17+**

**If upgrading a module from Odoo 16 or earlier to Odoo 17+, you must replace all attrs attributes with modifiers.**

**1. invisible:** You can hide a field based on a condition.

<field name="field\_name" modifiers="{'invisible': [('state', '=', 'done')]}"/>

**2. readonly:** You can make a field read-only based on a condition.

<field name="field\_name" modifiers="{'readonly': [('state', '=', 'confirmed')]}"/>

**3. required:** You can make a field required dynamically.

<field name="field\_name" modifiers="{'required': [('state', '=', 'draft')]}"/>

**4. Combining Multiple Conditions:**

<field name="field\_name" modifiers="{'invisible': ['&', ('state', '=', 'done'), ('user\_id', '!=', uid)]}"/>

sum, avg = <https://youtu.be/Q9r3PkY2PZk?si=UpYqmQJjt4F50OJu>