**Return null from attribute formula**

**Testing**

*MAM 7.6.1.2*

Steps:

1. In the WORKORDER table, create two new attributes: CGPERSISTENT and CGNONPERSISTENT:





1. Apply db config changes.

**Non-persistent field testing:**

1. Create an attribute formula on the CG**NON**PERSISTENT field:



Formula Expression : nullvalue()
2. Using Application Designer, add CG**NON**PERSISTENT as a field in WOTRACK:


3. Open an existing WO in WOTRACK.


4. Results:

Success. We can see that CG**NON**PERSISTENT has **null** as its value.

As an additional test, we can change the formula to: **1 +** nullvalue()

That works as expected too. It returns null, because we can’t do math on nulls (expected behavior).

And just to be sure, we can change the formula again to **1 + 1**

That returns the value 2. So we know that the formula is working.

**Persistent field testing:**

1. Now, perform steps #3-6 above again, but this time, do it for the **persistent** field: CG**PERSISTENT**


Formula: nullvalue()



**Note:**
In order to test the persistent field properly, we need to **create** or **edit** a WO. We can’t just *view* a WO, because that won’t trigger the persistent field to get populated via the formula.

1. Results:

Unfortunately, when we **create** or **edit** a WO in WOTRACK, the CG**PERSISTENT** field throws an error:



*BMXAA3761E - The event has failed. Ensure that the event is registered correctly. See the log file in the APP HOME directory for more details about the error.*

*null*

**Conclusion:**

Formulas **can** return null to **non**-persistent fields.

But, formulas **can’t** return null to **persistent** fields.