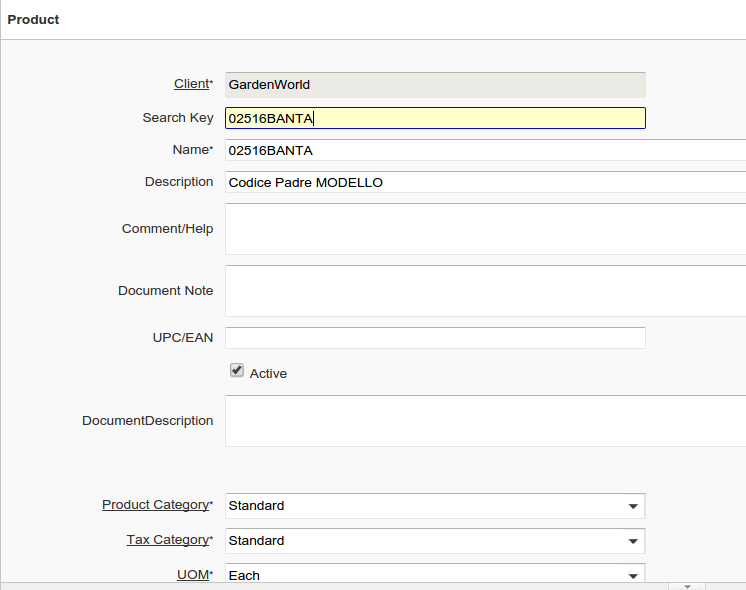
iDempiere Outsourcing Production PRICES

[PRODUCT : Name : ANTA](#_30j0zll)

Order of 200 pcs of ANTA

# PRODUCT : Name : ANTA

UOM : EA:Each=(NR(number) SIZE : not specified (to be entered manually on the order line) workflow : P:Painting

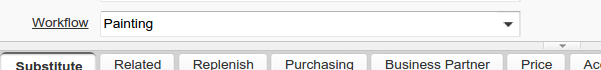


#AD ADD COLUMN LIT\_WIDTH (NEW ELEMENT)

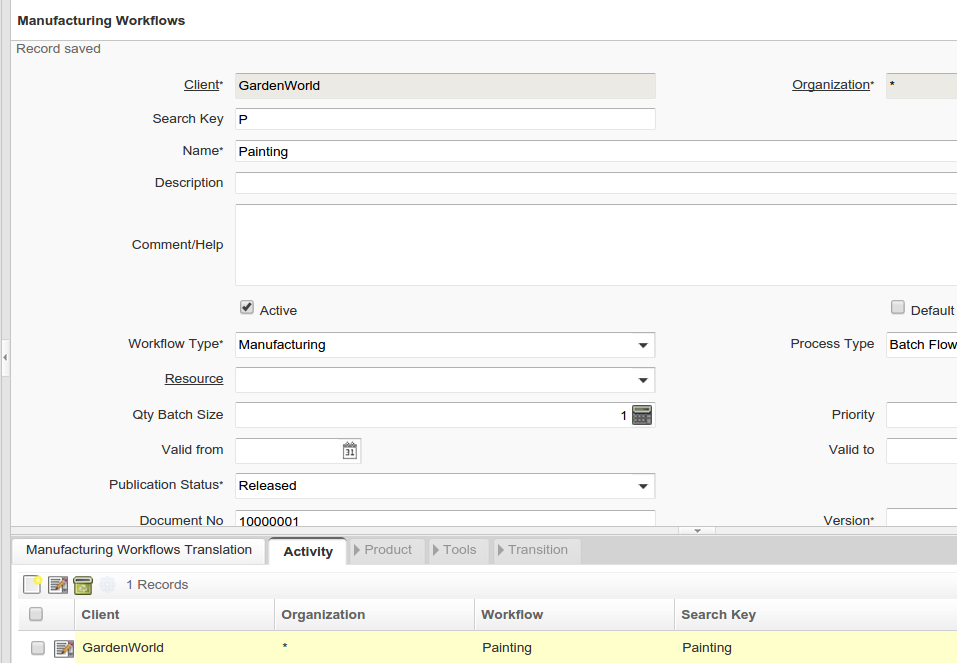
#AD ADD COLUMN LIT\_HEIGHT = (NEW ELEMENT )

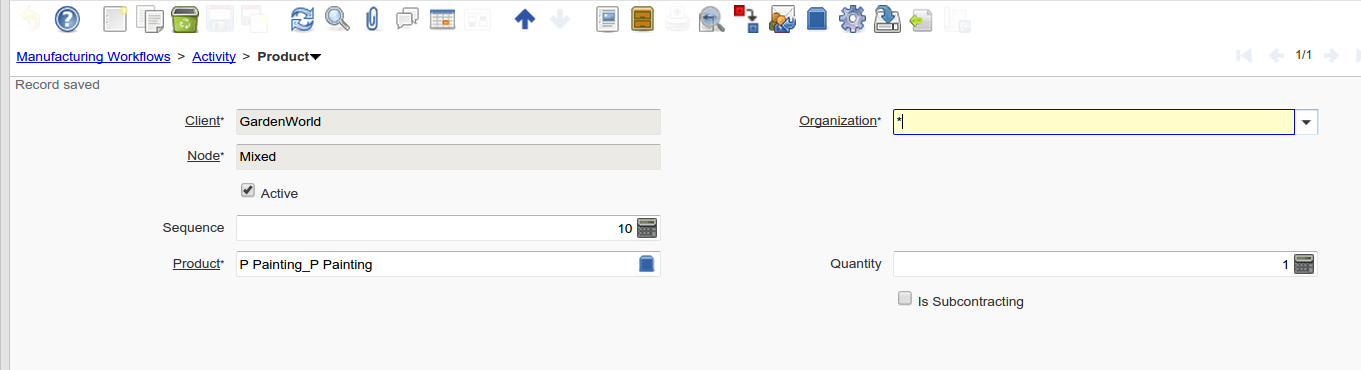
#AD ADD COLUMN LIT\_DEPTH = (NEW ELEMENT )

#AD ADD COLUMN AD\_Workflow\_ID (DICTIONARY)

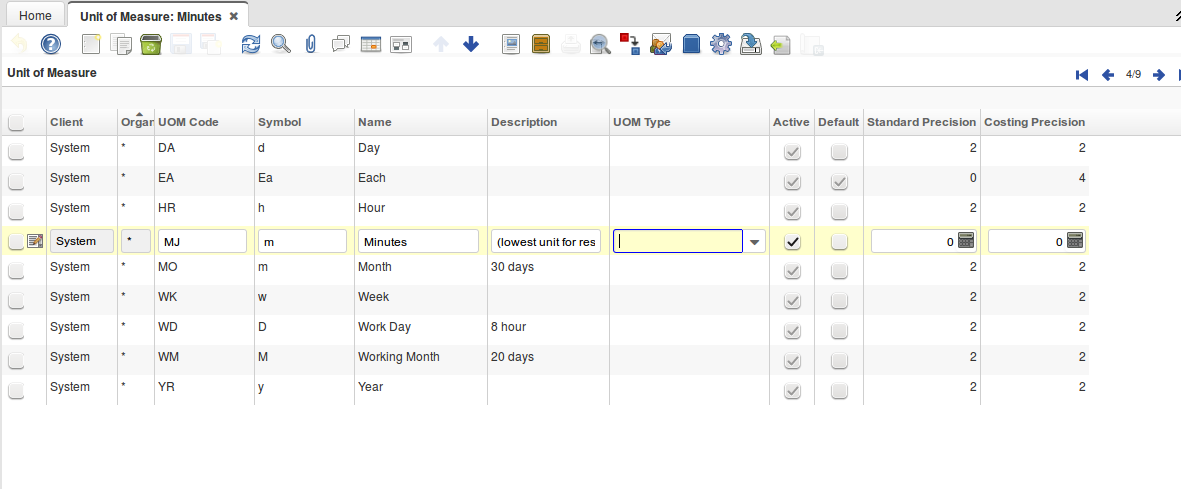


# WORKFLOW : Product Painting Qty 1





# UOM Standard from iDempiere



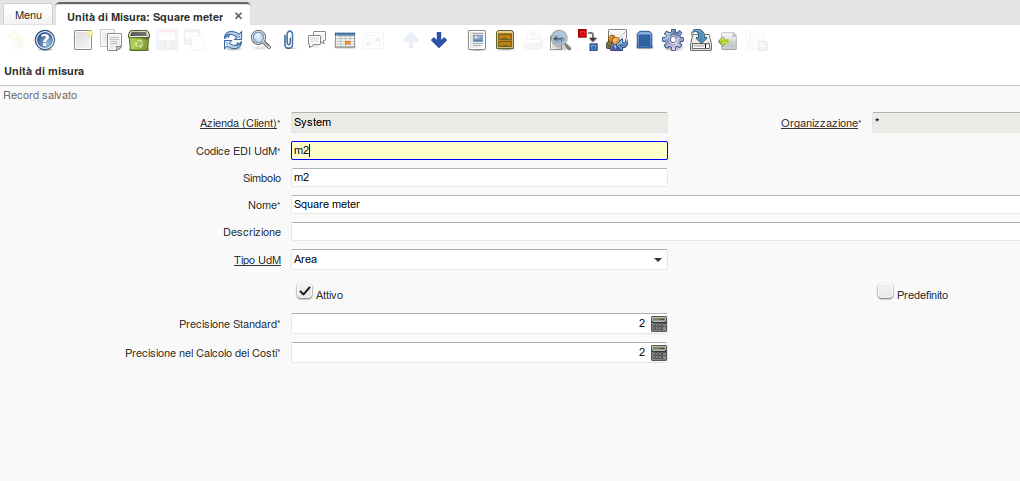
The Tab Conversione is empty

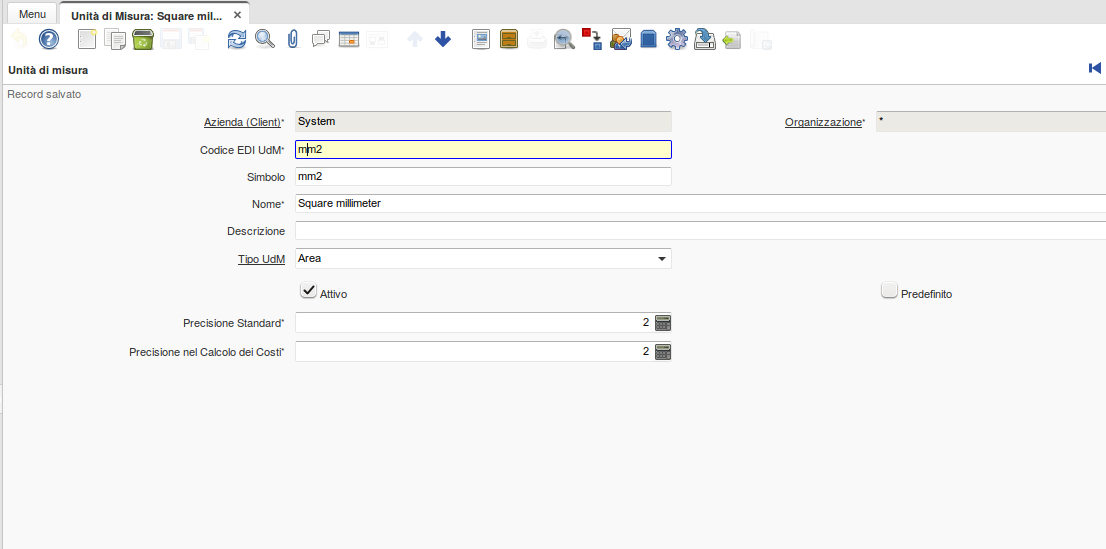
link to conversion table <http://www.convert-me.com/en/convert/area/>

we need to add (for now):

square metre : m2

square millimetere mm2 divide from m2 1.000.000





We need a table for calculation (C\_UOM\_Conversion ) but without product reference to product

In the C\_UOM\_Conversion Table you have a new field **PRICELISTTYPE**

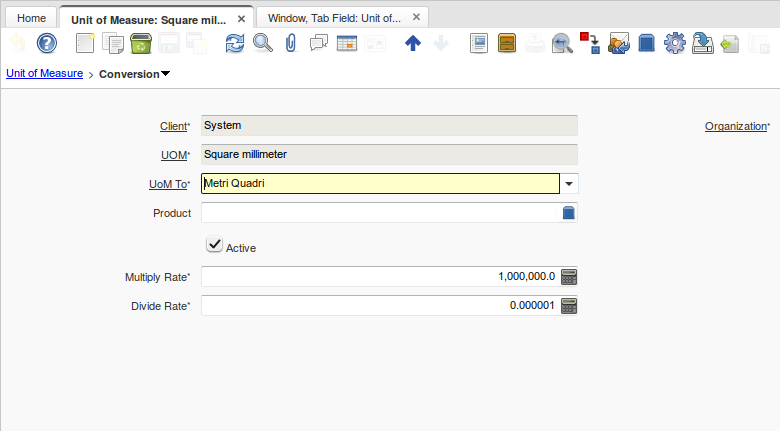
For PRICELISTTYPE =PLAR ( Area

MODIFICATION ON APPLICATION DICTIONARY

WE NEED TO REMOVE ON THE FIELD OF THE WINDOW TAB :

UNIT OF MEASURE / CONVERSION /PRODUCT : Mandatory overwrite from YES to NO

so we can save the conversion like this



# PRODUCT : Name : Painting UOM

MQ (Metri Quadri=Square Meters) **PRICELISTTYPE**

“AR” per Area

Price is 2 € per UOM ( that means 2 € per Square Meters )

SALES ORDER

Order Line OutProd (LIT\_C\_OrderLine\_OutProd)

(Paintinng) L’attività /Lavorazione ha una unità di misura tipo LIT\_PRICELISTTYPE Esempio Area

ANTA UOM NR QtyEntered 100 SIZE : Width : 300 Height 300 (load from product or manual inserted )

(in which uom are this SIZE ? : Table : AD\_ClientInfo : C\_UOM\_Length\_ID ) 50000 (for me ) that means millimeters

The Size is : 300x300 = 90000 /1000000 = 0,09 Square Meters x 2 € = 0,18 € per SQ \* 200 Nr = 36 € TOTAL Amount

Another Scenario AD\_ClientInfo : C\_UOM\_Length\_ID : Meters

On the lines i will have 0,3x0,3 =0,09 Square Meters x 2 € = 0,18 € per SQ \* 200 Nr = 36 € TOTAL Amount

Flow Chart of the Process :

Data on Database :

clientinfo ad\_client\_id=11 c\_uom\_lenght\_ id ml(millimeter) 50000

c\_uom\_aread\_id square meter 1000003

Sales Order : c\_order.C\_order\_id = 1000092

lit\_c\_orderlineoutprod : id 1000017

qtyentered 100

lit\_width 300

lit\_heigt 300

c\_orderline painting uom (1000003)

CASE A :

You have the Painting in the order line -when you “manage” the product Painting we have “in hand” : a) The Quantity of the finish product 100 pcs

if in the product is not written anything on the **PRICELISTTYPE you can use the standrd method for prices.**

**if there is a pricelistype you have to :**  on the product record of the painting is written that this is AR (AREA ) SO :

#AD NEW FIELD in CLIENT INFO LIT\_C\_UOM\_Area\_ID : mm2

#AD NEW FIELD in CLIENT INFO LIT\_C\_UOM\_Volume\_ID : (not for now) ..

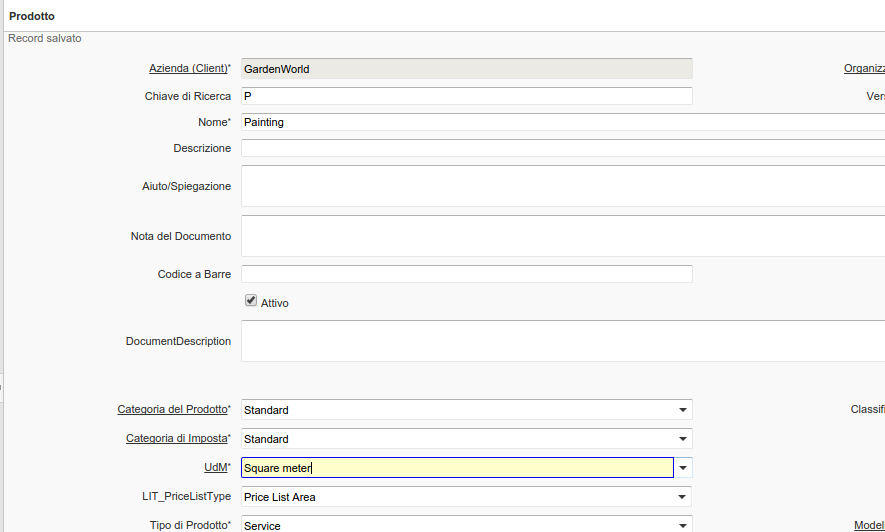
NEW FIELD in c\_uom LIT\_C\_UOM\_Area\_ID : mm2 per ogni unita di lunghezza avro la corrispende unita misura direa esempio mm > mm2 m -> m2

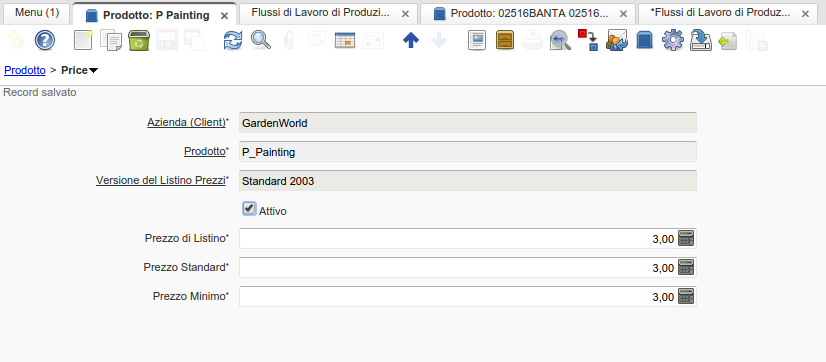
AR use for calculation Table : AD\_ClientInfo : C\_UOM\_Length\_ID : mm millimeter

AR use for result Table : AD\_ClientInfo : LIT\_C\_UOM\_Area\_ID : mm2 : millimeter2

on the order line you will have “painting” product

checkin the product we will find PRICELITYPE not null (special price procedure ) = PLAR for this example





45-56 ) i read and check the Pricelisttype PLAR (fixed hardcoded)

if equal PLAR

I read Clientinfo

i read conversion for clientinfo c\_uom\_aread\_id

I calcluclete the area:

width 300 x height 300 = 90.000 in what uom ? Read the C\_UOM\_length of hte clieninfo lenght

and read the new field LIT\_C\_UOM\_Aread\_ID -> mm2

as the clientinfo.area\_

what is the UM of the product (painting ) mq

what is the conversione from mm2 -> mq -> divide 1.000000

so you will

UOM CONVERSION

FROM : AR result = mm2 TO PRODUCT UOM = m2 Divide Rate 1,000,000.0

90000 / 1000000 = 0,09 Multiply per Product qty 200 = 18 square meters

TO pass to the standard class of Price i have the qty 18 the Business Partenr (for vendor brack price) and i get back the price

CASE B :

Client general settings :

Unit measure used for lenght : Table : AD\_ClientInfo : C\_UOM\_Length\_ID : m (meter)

Unit measure used for area :Table : AD\_ClientInfo : C\_UOM\_Are\_ID : m2 (square meter)

..same sales order

on the order line outprod we will have

Product ANTA width 0,3 height 0,3

Painting UOM : m2 - I need to calculate the price ...

0,300 x0,300 = 0,9 (in square meters ) is AR

In the Product of Painting i have UOM : M2 Pricelisttype AR

UOM CONVERSION

FROM : AR result = m2 TO PRODUCT UOM = m2 NO RECORD MATCH or VALUE 1

0,90000 \* 1 = 0,09 m2 Multiply per Product qty 200 = 18 square meters

TO pass to the standard class of Price i have the qty 18 the Business Partenr (for vendor brack price) and i get back the price

# DATABASE/AD CHANGES - DATA INTEGRATION :

MODIFICATION ON APPLICATION DICTIONARY

WE NEED TO REMOVE ON THE FIELD OF THE WINDOW TAB :

UNIT OF MEASURE / CONVERSION /PRODUCT : Mandatory overwrite from YES to NO

GESTIONE PREZZI

LAVORAZIONE € PEZZO

DRILLING (FORATURA ) € UM NR € 1 ( SULLA QTA PRODOTTO FINITO )

LAVORAZIONE € a AREA

PAINTING (VERNICIATURA € UM MQ € 2 (SUL QTA PRODOTTO FINITO )

MONTAGGIO € a ORA

MONTAGGIO UM ORA € 30 (SULLE QTA DICHIARATO DI ORE SUL PRODOTTO FINITO )

> PRICE LIST QTA

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Siamo a livello di riga lavorazione ..Painting

Dobbiamo avere in memoria questi dati :

PRODOTTO FINITO : ANTA

PRODOTTOFINITO.WIDHT=300

PRODOTTOFINITIHEIGHT =300

PRODOTTOFINITODEPTH =0

UM=NR

QTA= 100

..

PRODOTTOGREZZO.WIDHT=300

PRODOTTOGREZZO.HEIGHT =300

PRODOTTOGREZZO.QTA

IF LIT\_PRICELISTTYPE (Se non non fai niente)

LEGGI IL VALORE

IF PLARFP (AREA SUL PRODOTTO FINITO ) (ci sarà PLPZ . .PLOR)

CHECK VALORI MANDATORY :

-PRODOTTOFINITOWIDTH

-PRODOTTOFINITOHEIGHT ,

prendiamo l’unita di misurea lunghezza da ad\_client info … nel nostro caso troviamo mm

WiDTH x height = 3000 mm x 3000 mm = 9000000 in mm2 (ad\_clientoinfo)

vado nella tabella di conversione con

MQ e MM2 trovi che devi dividere per 1.000.000 quindi trovi 9 mq

moltiplico per la qta 9x100 =900 mq

salvi la qta (900) nel campo qt di painting

Calcoli il prezzo con PRODOTTO.PAINTING - QTA 900 PRICELIST -order

IF PLEAFP (PEZZI ) x drilling

PRENDO PRODOTOFINITO.QTA 100 la salvo su qta della attivita (100) e calcolo il prezzo

IF PLEARP (PEZZI SUL GREZZO )

PRENDO PRODOTOGREZZO.QTA la salvo su qta della attività e calcolo il prezzo

IF PLARRP ( AREA SUL PRODOTTO GREZZO )

CHECK VALORI MANDATORY : PRODOTTOGREZZOWIDTH -PRODOTTOGREZZOHEIGHT ,

prendiamo l’unita di misurea area da ad\_client info … nel nostro caso troviamo mm2

WiDTH x height = 3000x 3000 = 9000000 in mm2 (ad\_clientoinfo)

vado nella tabella di conversione con

MQ e MM2 trovi che devi dividere per 1.000.000 quindi trovi 9 mq

salvi 9 nel campo qt di painting

Calcoli il prezzo con PRODOTTO.PAINTING - QTA 9 PRICELIST -order