# Conversions Transition Documentation

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* See conversion video that was recorded on 5/3/2017 providing brief explanation:
  + <http://MyEasySoftware.com/adilas/conversion.mp4>
* See two \*.autoproc files for MySQL table creation and altering:
  + CreateConversionTables.autoproc
  + AlterPOInvoiceLinesForConversions.autoproc
* See code branch chc-62 in Bitbucket for changes already made
* Pages that need to display either an [add] link or [edit] link with conversion details:
  + sub\_inventory\_details.cfm
  + edit\_sub\_part.cfm
  + sub\_inventory\_view.cfm
* Two potential suggestions for displaying Conversion data:
  + 6 columns with a row for each:
    - Name
    - Multiplier
    - UofM
    - Price
    - Quantity Created
    - Quantity Sold
  + Or 2 columns with a row for each & no labels, just the data:
    - Name
    - Price Multiplier UofM (Quantity Sold/Quantity Created)
* Suggested function for collecting all the needed Conversion data: getConversionDetails
  + Arguments:
    - corpId
    - partCategoryId
    - partId
    - subInventoryId

code from the auto processing docs:

<BlockName|Get count of conversion tables in source>

<Source>

<ToNumVar|tableCount>

SELECT COUNT(\*)

FROM `information\_schema`.`TABLES`

WHERE `TABLE\_SCHEMA`='<<Source>>'

AND `TABLE\_NAME` LIKE 'conversion%'

<BlockName|End if conversion tables count equals 4>

<Source>

<If|<<tableCount>> IS 4>

<End>

<BlockName|Create conversions table>

<Source>

CREATE TABLE IF NOT EXISTS `conversions` (

`conversion\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

`corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

`sub\_inventory\_id` int(11) unsigned NOT NULL DEFAULT '0',

`conversion\_template\_id` int(11) unsigned NOT NULL DEFAULT '0',

`package\_price` decimal(10,2) unsigned NOT NULL DEFAULT '0.00',

`conversion\_multiplier\_override` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

`created\_datetime` datetime DEFAULT '0000-00-00 00:00:00',

`created\_date` date DEFAULT '0000-00-00',

`conversion\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

PRIMARY KEY (`conversion\_id`),

KEY `corp\_id` (`corp\_id`),

KEY `sub\_inventory\_id` (`sub\_inventory\_id`),

KEY `conversion\_template\_id` (`conversion\_template\_id`),

KEY `created\_datetime` (`created\_datetime`),

KEY `created\_date` (`created\_date`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_templates table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_templates` (

`conversion\_template\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

`corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

`part\_category\_id` int(11) unsigned NOT NULL DEFAULT '0',

`part\_id` int(11) unsigned NOT NULL DEFAULT '0',

`conversion\_name` varchar(100) DEFAULT NULL,

`unit\_of\_measurement\_id` int(10) unsigned NOT NULL DEFAULT '0',

`conversion\_multiplier` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

`conversion\_template\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

PRIMARY KEY (`conversion\_template\_id`),

KEY `corp\_id` (`corp\_id`),

KEY `part\_category\_id` (`part\_category\_id`),

KEY `part\_id` (`part\_id`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_processes table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_processes` (

`conversion\_process\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

`corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

`conversion\_id` int(11) unsigned NOT NULL DEFAULT '0',

`conversion\_process\_type\_id` int(11) unsigned NOT NULL DEFAULT '0',

`package\_quantity` int(11) unsigned NOT NULL DEFAULT '0',

`payee\_id` int(11) unsigned NOT NULL DEFAULT '0',

`process\_datetime` datetime DEFAULT '0000-00-00 00:00:00',

`process\_date` date DEFAULT '0000-00-00',

`conversion\_process\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

PRIMARY KEY (`conversion\_process\_id`),

KEY `corp\_id` (`corp\_id`),

KEY `conversion\_id` (`conversion\_id`),

KEY `conversion\_process\_type\_id` (`conversion\_process\_type\_id`),

KEY `process\_datetime` (`process\_datetime`),

KEY `process\_date` (`process\_date`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_process\_types table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_process\_types` (

`conversion\_process\_type\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

`process\_type` varchar(100) DEFAULT NULL,

`process\_inventory\_effect` tinyint(3) unsigned NOT NULL DEFAULT '0',

`conversion\_process\_type\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

PRIMARY KEY (`conversion\_process\_type\_id`),

UNIQUE KEY `process\_type` (`process\_type`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Insert data into conversion\_process\_types table>

<Source>

INSERT INTO `conversion\_process\_types` VALUES

(1,'Create/Make\_Increase',1,1),

(2,'Reserved/Between\_PotentialDecrease',2,1),

(3,'Checkout/Gone\_Decrease',3,1),

(4,'Adjustment\_Increase',1,1),

(5,'Adjustment\_Decrease',3,1);

////////////////////////////////////////////////////////////////////////////////////////

More code from another auto process file…

<BlockName|Get list of po\_invoice\_lines\_\* tables to alter from source>

<Source>

<ToCSV|tablesToAlter>

SELECT `TABLE\_NAME`

FROM `information\_schema`.`TABLES`

WHERE `TABLE\_SCHEMA`='<<Source>>'

AND `TABLE\_NAME` LIKE 'po\_invoice\_lines\_%'

<BlockName|Alter po\_invoice\_lines\_\* table structures in source by adding conversion columns>

<Source>

<ForEach|<<tablesToAlter>>>

ALTER TABLE <<ForEachValue>>

ADD COLUMN `sub\_inventory\_id` int(11) unsigned NOT NULL DEFAULT '0',

ADD COLUMN `conversion\_id` int(11) unsigned NOT NULL DEFAULT '0',

ADD COLUMN `conversion\_name` varchar(100) DEFAULT NULL,

ADD COLUMN `conversion\_multiplier` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

ADD COLUMN `package\_price` decimal(10,2) unsigned NOT NULL DEFAULT '0.00';