tryton documentation

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The *Product Kit Module* adds kits and components to products. This enables a defined set of products to be sold or purchased using a single line.
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The *Product Kit Module* module introduces the following concepts:

### 1.1 Product

When the *Product Kit Module* is activated, products gain some extra properties. These include a new type “Kit” which corresponds to a product composed of other goods defined by a list of `Components <model-product.component>`.

**See also:**

The *Product <product:concept-product>* concept is introduced by the Product Module.

### 1.2 Product Component

The *Product Component* concept defines the quantity of a product that is part of another product.

### 1.3 Sale

When the *Product Kit Module* is activated, components are added to sales when the sale is quoted.

For *Sale Lines <model-sale.line>* with a kit *Product <concept-product>*, a *Sale Line Component <model-sale.line.component>* is created for each *Product Component <model-product.component>*. These components are used as the origins for the *Stock Moves <stock:model-stock.move>* and the sale lines of the *Invoice Lines <account_invoice:model-account.invoice.line>*. When the *Invoice <account_invoice:model-account.invoice>* method is on shipment, the smallest ratio of shipped components is used to calculate the quantity invoiced.

For *Sale Lines <model-sale.line>* with a non-kit product containing *Product Components <model-product.component>*, a sale line is created for each one.

When the sale is reset to draft, all created components are deleted.
1.3.1 Line

The sale lines gain a list of Sale Line Components <model-sale.line.component> and a list of children which are created when the Sale <sale:model-sale.sale> is quoted.

1.3.2 Line Component

The Sale Line Component concept defines for a Sale Line <sale:model-sale.line> the quantity of a Product Component <model-product.component> to be shipped instead of the kit.

See also:

The Sale <sale:model-sale.sale> model is introduced by the Sale Module.

1.4 Purchase

When the Product Kit Module is activated, components are added to Purchases <purchase:model-purchase.purchase> when the purchase is quoted.

For Purchase Lines <model-purchase.line> with a kit Product <concept-product>, a Purchase Line Component <model-sale.line.component> is created for each Product Component <model-product.component>. These components are used as the origins for the Stock Moves <stock:model-stock.move> and the purchase lines of the Invoice Lines <account_invoice:model-account.invoice.line>. When the Invoice <account_invoice:model-account.invoice> method is on shipment, the smallest ratio of received components is used to calculate the quantity invoiced.

For Purchase Lines <model-purchase.line> with a non-kit product containing Product Components <model-product.component>, a purchase line is created for each one.

When the purchase is reset to draft, all created components are deleted.

1.4.1 Line

The purchase lines gain a list of Purchase Line Components <model-purchase.line.component> and a list of children which are created when the Purchase <purchase:model-purchase.purchase> is quoted.

1.4.2 Line Component

The Purchase Line Component concept defines for a Purchase Line <purchase:model-purchase.line> the quantity of a Product Component <model-product.component> to be received instead of the kit.

See also:

The Purchase <purchase:model-purchase.purchase> model is introduced by the Purchase Module.