

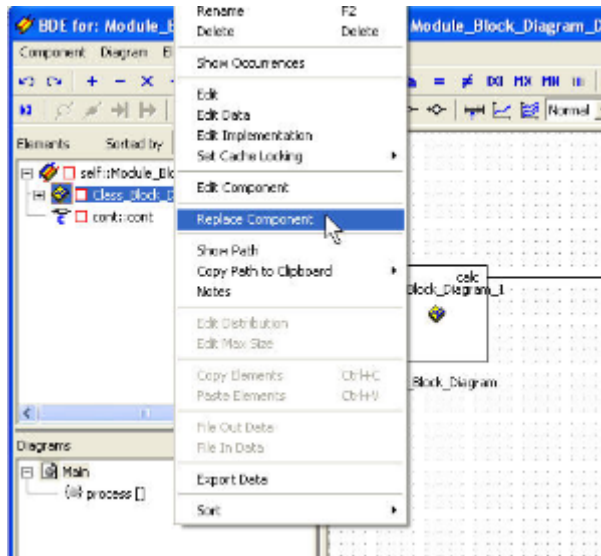
# Replace Component in ASCET



## Question:

How can I replace a module or class in my ASCET model by another one without losing connections or references?

What happens if I use the "Replace Component" menu in my model?



## Answer:

There are several options and cases which needs to be considered when using the "Replace Component" feature in ASCET

The function "Replace Component" can be used to replace a class by another class. The option can be found in the context menu.

### Case 1:

- Base component (Class) has following Diagram -> Method(Argument,...)  
Main: init(arg1, arg2, arg3)
- Exchanged component (Class) has following Diagram -> Method(Argument,...)  
Init: init(arg1, arg2, arg3)

**RESULT:** everything is fine, the **connections are kept**, sequence call is kept  
reason: name of method and arguments does not change

### Case 2:

- Base component (Class) has following Diagram -> Method(Argument,...)  
Main: calc(arg1, arg2, arg3)
- Exchanged component (Class) has following Diagram -> Method(Argument,...)  
Main: calcToyota(arg1, arg2, arg3)

**RESULT:** the **connections are deleted**, the **sequence call will be deleted**

reason: name of method changed

**Case 3:**

- Base component (Class) has following Diagram -> Method(Argument,...)  
Main: calc(arg1, arg2, arg3)
- Exchanged component (Class) has following Diagram -> Method(Argument,...)  
Main: calc(arg2, arg1, arg3)

**RESULT:** the **connections are kept**, the sequence call is kept  
reason: the order of the arguments is not relevant

**Case 4:**

- Base component (Class) has following Diagram -> Method(Argument,...)  
Main: calc(arg1, arg2, arg3)
- Exchanged component (Class) has following Diagram -> Method(Argument,...)  
Main: calc(argNissan1, argNissan2, argNissan3)

**RESULT:** the **connections are deleted**, the sequence call is kept  
reason: arguments have other names, cannot be matched automatically

**Case 5:**

- Base component (Class) has following Diagram -> Method(Argument::Type,...)  
Main: calc(arg1::udisc, arg2::udisc, arg3::udisc)
- Exchanged component (Class) has following Diagram -> Method(Argument::Type,...)  
Main: calc(arg1::sdisc, arg2::sdisc, arg3::sdisc)

**RESULT:** the **connections are kept**, the sequence call is kept  
reason: no changes in names of arguments or method



**Additional information:**

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**Headline ...**

Please fill in additional information or screenshots.

This is the space to describe the technical background in detail (if required).



**In case of further questions:**

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