

alice -> bob : id(aa)

alice -> bob : id(ab, cd)

Including files or URL **T**

something like !include foo. txt!MY_OWN_ID.

error if a file is included several times.

file1.puml would be rendered exactly as if it were:

Including Subpart T

 $A \rightarrow A : stuff1$!startsub BASIC $B \rightarrow B : stuff2$

 $C \rightarrow C : stuff3$!startsub BASIC $D \rightarrow D : stuff4$

!endsub

!endsub @enduml

@startum1

I List

int size()

void clear()

@startum1

@endum1

@startum1

@endum1

interface List

List : int size()

List : void clear() List < |.. ArrayList

非引号函数 💽

defaulttest(1)

@endum1

C ArrayList File List.iuml

Use the !include directive to include file in your diagram. Using URL, you can also include file from Internet/Intranet.

z = DefaultZ

y = DefaultY z = DefaultZ

Alice

bob

bob

alice

alice

! aaFOO,

∟ abcd

默认情况下,调用一个函数需要引号.可以使用 unquoted 关键字指明一个函数的参数不需要使用引号.

!unquoted function id(\$text1, \$text2="F00") return \$text1 + \$text2

interface List List : int size() List : void clear() The file List. iuml can be included in many diagrams, and any modification in this file will change all diagrams that include it.

You can also put several @startuml/@enduml text block in an included file and then specify which block you want to include adding 10 where 0 is the block number. The 10 notation denotes the first

You can also put an id to some @startuml/@enduml text block in an included file using @startuml(id=MY_OWN_ID) syntax and then include the block adding !MY_OWN_ID when including the file, so using

By default, a file can only be included once. You can use !include_many instead of !include if you want to include some file several times. Note that there is also a !include_once directive that raises an

Imagine you have the very same class that appears in many diagrams. Instead of duplicating the description of this class, you can define a file that contains the description.

You can also use !startsub NAME and !endsub to indicate sections of text to include from other files using !includesub. For example: file1.puml: @startum1

For example, if you use !include foo. txt!1, the second @startuml/@enduml block within foo. txt will be included.

 $A \rightarrow A : stuff1$ $B \rightarrow B : stuff2$ $C \rightarrow C : stuff3$ $D \rightarrow D : stuff4$ @endum1 However, this would also allow you to have another file2.puml like this:

This file would be rendered exactly as if: @startum1 title this contains only B and D

 $B \rightarrow B : stuff2$ $D \rightarrow D : stuff4$

file2.puml

@startuml

@endum1

@enduml **Builtin functions T** Some functions are defined by default. Their name starts by %

Description

Calculate the length of a String

Search a substring in a string

Convert a String to Int

Check if a function exists

Extract a substring. Takes 2 or 3 arguments

Check if a file exists on the local filesystem

title this contains only B and D !includesub file1.puml!BASIC

Name %strlen %substr %strpos

%intval

%file_exists

%function_exists

Check if a variable exists %variable_exists %set variable value Set a global variable

%set_variable_value	Set a global variable	%set_variable_value("\$my_variable", "some_value")	An empty string
%get_variable_value	Retrieve some variable value	%get_variable_value("\$my_variable")	the value of the variable
%getenv	Retrieve environment variable value	%getenv("OS")	The value of os variable
%dirpath	Retrieve current dirpath	%dirpath()	Current path
%filename	Retrieve current filename	%filename()	Current filename
%date	Retrieve current date. You can provide an optional format for the date	%date("yyyy. MM. dd at HH:mm")	Current date
%true	Return always true	%true()	true
%false	Return always false	%false()	false
%not	Return the logical negation of an expression	%not(2+2==4)	false in that example
%lower	Return a lowercase string	%lower("Hello")	hello in that example
%upper	Return an uppercase string	%upper("Hello")	HELLO in that example
		wapper (Herre)	
You can use !log to could be useful for estartuml !function bold(\$text !\$result = " "+ \$text !\$result = ""+ \$text !\$result \$text !\$resul	add some log output when generating the diagram. This has no impact debug purpose. Alice		

You can use !memory_dump to dump the full content of the memory when generating the diagram. An optional string can be put after !memory_dump. This has no impact at all on the diagram itself. This

Example

%strlen("foo")

%intval("42")

%substr("abcdef", 3, 2)

%strpos("abcdef", "ef")

%file_exists("c:/foo/dummy.txt")

%function_exists("\\$some_function")

%variable_exists("\$my_variable")

Return

42

3 in the example

4 (position of ef)

"de" in the example

true if the file exists

true if the function has been defined

true if the variable has been defined exists

JProfiler

🚯 53online

!log value is \$val !dump_memory !return \$val+1 !endfunction Alice -> Bob : 4 \$inc("3") !unused = "foo"

!dump_memory EOF

Assertion **T**

@enduml

@endum1

!function \$inc(\$string) !\$val = %intval(\$string)

@startum1

could be useful for debug purpose.

Alice

!assert %strpos("abcdef", "cd") == 3 : "This always fail"

Bob

Bob

You can put assertion in your diagram. Welcome to PlantUML! @startum1

If you use this software, you accept its license.

(details by typing license keyword)



For example:

[name] << Comp >>

name##Ifc - [name]

COMP_TEXTGENCOMP (dummy)

For example, you can have:

!endfunction

@startuml

. . .

!include myFolder/myFile.iuml

Search path **T**

java -Dplantuml.include.path="c:/mydir" -jar plantuml.jar atest1.txt Note the this -D option has to put before the -jar option. -D options after the -jar option will be used to define constants within plantuml preprocessor.

'Assuming that myFolder/myFile.iuml is located somewhere either inside "customLibrary.zip" or on the local filesystem

You can specify the java property plantuml. include. path in the command line.

Argument concatenation T

It is possible to append text to a macro argument using the ## syntax. «IfcType» 👍 «Comp» !unquoted function COMP_TEXTGENCOMP(name)

interface Ifc << IfcType >> AS name##Ifc

@endum1 **Dynamic function invocation T**

following argument are copied to the called function.

Alice @startuml Bob !function \$go() Bob -> Alice : hello !endfunction hello !\$wrapper = "\$go" %invoke void func(\$wrapper) @endum1

> Bob !function bold(\$text) Hello there .

dummy

You can dynamically invoke a void function using the special %invoke_void_func() void function. This function takes as first argument the name of the actual void function to be called. The

patrons 6

!return ""+ \$text +"" !endfunction Alice -> Bob : %call_user_func("bold", "Hello") there Bob @endum1 P Donate 215 Patreon 102

For return functions, you can use the corresponding special function %call_user_func():