


# concatArrays

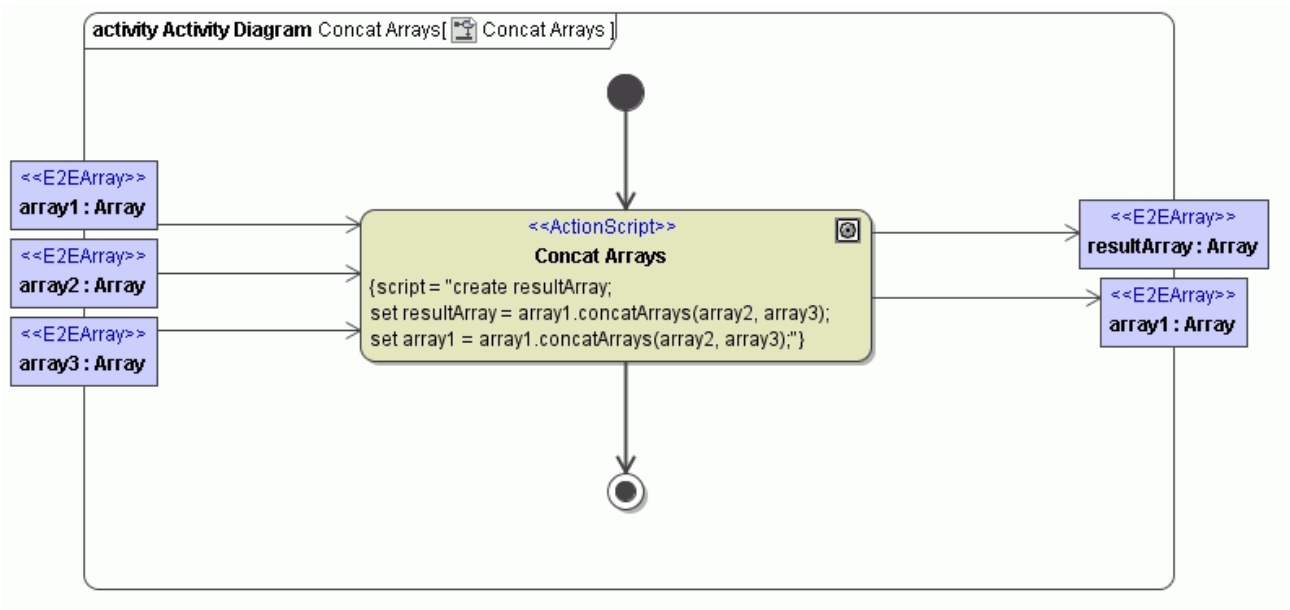
Syntax	<pre>anArray.concatArrays(anotherArray_1, ..., anotherArray_n)</pre>	
Semantics	Concatenates the elements of one or more arrays to the elements of <code>anArray</code> .	
Substitutables	<code>anArray</code>	Can be any variable or object attribute having the type <b>Array</b> . The arrays must not be <code>NULL</code> .
Error Codes	Find the related error codes on <a href="#">System Errors</a> .	
	BESM/2	One of the parameters of a vararg function is null. This error occurs if one of the arrays is <code>NULL</code> .
Examples	<pre>set anArray = anArray.concatArrays(anotherArray);</pre> <p>A new array is created containing all references to elements of the listed arrays. The reference <code>anArray</code> is changed to point to the new array.</p>	



Example File (Builder project E2E Action Language/Array):  
`<your example path>\E2E Action Language\Array\uml\arrayConcat.xml`

The figure below shows an example of concatenating several arrays in a new array and into an array with existing elements.

Figure: concatArray() Example



- If the arrays to be concatenated (here `array2` or `array3`) are empty (not `NULL`), no exception occurs.
- If an array has `NULL` elements (e.g. `element1`, `element2`, `NULL`, `element4`), the `NULL` elements will be preserved after concatenation.