

Uses of Class `jdk.incubator.foreign.FunctionDescriptor`

Packages that use `FunctionDescriptor`

Package	Description
<code>jdk.incubator.foreign</code>	Classes to support low-level and efficient foreign memory/function access, directly from Java.

Uses of `FunctionDescriptor` in `jdk.incubator.foreign`

Methods in `jdk.incubator.foreign` that return `FunctionDescriptor`

Modifier and Type	Method	Description
static <code>FunctionDescriptor</code>	<code>FunctionDescriptor.of</code> (<code>MemoryLayout</code> resLayout, <code>MemoryLayout</code> ... argLayouts)	Create a function descriptor with given return and argument layouts.
static <code>FunctionDescriptor</code>	<code>FunctionDescriptor.ofVoid</code> (<code>MemoryLayout</code> ... argLayout)	Create a function descriptor with given argument layouts and no return layout.
<code>FunctionDescriptor</code>	<code>FunctionDescriptor.withAppen</code> (<code>MemoryLayout</code> ... addedLayo	Create a new function descriptor with the given argument layouts appended to the argument layout array of this function descriptor.
<code>FunctionDescriptor</code>	<code>FunctionDescriptor.withAttri</code> (<code>String</code> name, <code>Constable</code> value)	Returns a new function descriptor which features the same attributes as this descriptor, plus the newly specified attribute.
<code>FunctionDescriptor</code>	<code>FunctionDescriptor.withRetur</code> (<code>MemoryLayout</code> newReturn)	Create a new function descriptor with the given memory layout as the new return layout.
<code>FunctionDescriptor</code>	<code>FunctionDescriptor.withVoidR</code>	Create a new function descriptor with the return layout dropped.

Methods in `jdk.incubator.foreign` that return types with arguments of type `FunctionDescriptor`

Modifier and Type	Method	Description
<code>Optional<DynamicConstantDesc<F</code>	<code>FunctionDescriptor.describeConstable</code>	

Methods in `jdk.incubator.foreign` with parameters of type `FunctionDescriptor`

Modifier and Type	Method	Description
MethodHandle	<code>CLinker.downcallHandle</code> (<code>Addressable</code> symbol, <code>MethodType</code> type, <code>FunctionDescriptor</code> function)	Obtain a foreign method handle, with given type, which can be used to call a target foreign function at a given address and featuring a given function descriptor.
MemorySegment	<code>CLinker.upcallStub</code> (<code>MethodHandle</code> target, <code>FunctionDescriptor</code> function)	Allocates a native segment whose base address (see <code>MemorySegment.address()</code>) can be passed to other foreign functions (as a function pointer); calling such a function pointer from native code will result in the execution of the provided method handle.

[Report a bug or suggest an enhancement](#)

For further API reference and developer documentation see the [Java SE Documentation](#), which contains more detailed, developer-targeted descriptions with conceptual overviews, definitions of terms, workarounds, and working code examples.

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