


Memory

Stereotype Attributes

Memory Adapter

Attribute	Description	Allowed Values	
scope	Supply the scope of the operation.	global	The stored data is accessible globally to the service, and available across service calls (default).
		session	The stored data is accessible within a service call.
action	<div> The adapter action derives from the used operation. Do not configure this.</div>		

On this Page:

- [Stereotype Attributes](#)
 - [Memory Adapter](#)
- [Memory Adapter Operations](#)
 - [store Operation](#)
 - [retrieve Operation](#)
 - [remove Operation](#)
 - [clear Operation](#)

MemoryAdapter_GuessingGame_Example



Click the icon to download a simple example model that shows the usage of the Memory adapter in **Scheer PAS Designer**.

Memory Adapter Operations

store Operation

Store a value to memory.

- `store (key : String, value : Any, hashMapKey : String, oldValue : Any)`

Name	Type	Direction	Description
key	String	in	Set a key that can be used to access the stored value with the retrieve operation.
value	Any	in	Provide the data that should be stored to the memory.
hashMapKey	String	in	In case the stored value is a hash map, you can use hashMapKey to provide the key of a hash map entry you want to override. Refer to Using the Memory Adapter with Maps for more information on this.
oldValue	Any	out	If the provided key is already present in the memory, it gets overwritten. In this case, oldValue returns the previous value. If no old value is present, oldValue is NULL. In case value contains a hash map, oldValue returns the complete previously stored hash map.

MemoryAdapter_HashMap_Example



Click the icon to download a simple example model that shows the usage of the Memory adapter with hash maps in **Scheer PAS Designer**.

Related Pages:

- [Memory Adapter](#)
- [Using the Memory Adapter with Maps](#)

retrieve Operation

Retrieve a value from memory.

- `retrieve (key : String, hashMapKey : String, value : Any)`

Name	Type	Direction	Description
key	String	in	Provide the key of the value that has been stored to memory with store . If no value with this key can be found, the Memory adapter throws error MEMADSM /9.
hashMapKey	String	in	In case the stored value is a hash map, you can use hashMapKey to retrieve a dedicated value from the map. Refer to Using the Memory Adapter with Maps for more information on this.
value	Any	out	Returns the either the stored value, or the map entry.

remove Operation

Remove a value from memory.

- `remove (key : String, hashMapKey : String, oldValue : Any)`

Name	Type	Direction	Description
key	String	in	Provide the key of the value that has been stored to memory with store . If no value with this key can be found, the Memory adapter throws error MEMADSM / 12.
hashMa pKey	String	in	In case the stored value is a hash map, you can use hashMapKey to provide the key of a hash map entry you want to remove. Refer to Using the Memory Adapter with Maps for more information on this.
oldValue	Any	out	Returns the value of the memory item that has been removed. In case value contains a hash map, oldValue returns the complete previously stored hash map.

clear Operation

Clear all stored data. No parameters.