

Handling of Resource Allocations

You can handle resource allocations and deallocations with the following statement:

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CALLLNAT 'NOPURE1N'      P-FUNCTION P-RC P-DBENV P-OWNER P-NETWORK P-RUN P-JOB
                        P-RESOURCE P-QUANTITY P-DEALLOCATION P-JOB-EXECUTED
```

Meaning of the parameters:

Parameter	Format	Usage
P-FUNCTION	A01	in
		Function code:
		A Allocate resource.
		R Release one or several resources. <ul style="list-style-type: none"> ● If job and resource name given: release only one allocated resource of one job. ● If job given, but no resource: release all allocated resources of one job.
		N Network release. <p>Release resources with deallocation = "N" as well.</p> <ul style="list-style-type: none"> ● If job and resource name given: release only one allocated resource of one job. ● If job given, but no resource: release all allocated resources of one job. ● If run number, but no job and no resource given: release all allocated resources of one network run. ● If no run number and no job and no resource given: release all allocated resources of all network runs.
		F Forced release. <p>Release resources with deallocation = "N" or "K" as well.</p> <p>For other parameters, see "R".</p>
		T Test resource usage, by resource. <p>Subsequent calls read in the order of resource names, then active jobs.</p>
		V Test resource usage, by active job. <p>Subsequent calls read in the order of active jobs, then resource names.</p>

P-RC	N03	out	Return code:	
			0	Function ok.
			1	Active job not found.
			2	Resource not defined for job.
			3	Resource (master) definition not found.
			4	Quantity is not available.
			5	Ok, but no resource usage entries were found. This code may be returned: <ul style="list-style-type: none"> ● if the resource has already been freed ● if the resource was never allocated.
			101	Invalid function code.
			102	Parameter(s) missing.
			103	Wildcard not allowed.
			104	DEALLOCATION has wrong value.
P-DBENV	A10	in	(For future use, currently ignored.)	
P-OWNER	A10	in	Owner. Wildcard allowed. Function "A": obligatory, no wildcard allowed.	
P-NETWORK	A10	in	Network. Wildcard allowed. Function "A": obligatory, no wildcard allowed.	
P-RUN	I4	in	Run. Zero means all runs of a network. Function "A": obligatory, no wildcard allowed.	
P-JOB	A10	in	Job. If empty , the whole network is meant. Wildcard allowed. Function "A": obligatory, no wildcard allowed.	
P-RESOURCE	A20	in	Name of the resource. If empty, all prerequisite resource definitions of a job are meant. Function "A": obligatory, no wildcard allowed.	
P-QUANTITY	N7.2	in	Quantity to be allocated. Function "A" only.	

P-DEALLOCATION	A1	in	<p>How to deallocate this allocation.</p> <ul style="list-style-type: none">● Function "A" only;● "J" after job termination;● "N" after network termination;● "K" keep until explicit release. <p>For a detailed description of deallocation modes, please see Periods of Resource Allocation in the section Resources.</p>
P-JOB-EXECUTED	L	in	Unreusable resources are decreased only if the job was really executed.