

Majordomo Protocol (MDP) Version V0.1

sub-protocol:	command:	frame 0 ¹	frame 1	frame 2	frame 3	frame 4	frame 5	frame 6	frame 7
Client (REQ or DEALER)	REQUEST	source ID	- empty frame -	"MDPC01" ²	service name ²	request body ³			
	REPLY	source ID	- empty frame -	"MDPC01"	service name ²	reply body ³			
Worker (DEALER)	READY	source ID	- empty frame -	"MDPW01"	0x01				
	REQUEST	source ID	- empty frame -	"MDPW01"	0x02	client source ID	- empty frame -	request body ³	
	REPLY	source ID	- empty frame -	"MDPW01"	0x03	client source ID	- empty frame -	reply body ³	
	HEARTBEAT	source ID	- empty frame -	"MDPW01"	0x04				
	DISCONNECT	source ID	- empty frame -	"MDPW01"	0x05				

Majordomo Protocol (MDP) Version V0.2

sub-protocol:	command:	frame 0 ¹	frame 1	frame 2	frame 3	frame 4	frame 5	frame 6	frame 7
Client (DEALER only)	REQUEST	source ID	"MDPC02" ²	0x01	service name ²	request body ³			
	PARTIAL	source ID	"MDPC02"	0x02	service name ²	partial reply body ³			
	FINAL	source ID	"MDPC02"	0x03	service name ²	final reply body ³			
Worker (DEALER)	READY	source ID	"MDPW02"	0x01	service name ²				
	REQUEST	source ID	"MDPW02"	0x02	client source ID	- empty frame -	request body ³		
	PARTIAL	source ID	"MDPW02"	0x03	client source ID	- empty frame -	partial reply body ³		
	FINAL	source ID	"MDPW02"	0x04	client source ID	- empty frame -	final reply body ³		
	HEARTBEAT	source ID	"MDPW02"	0x05					
	DISCONNECT	source ID	"MDPW02"	0x06					

Majordomo Protocol (MDP) Version V0.x – OpenCMW, draft

sub-protocol:	command:	frame 0 ¹	frame 1	frame 2	frame 3	frame 4	frame 5	frame 6	frame 7
Client (DEALER only)	GET (REQUEST)	source ID	"MDPC0x" ²	0x01	service name ²	request topic ²	request body ³	(RBAC) ⁴	
	SET (REQUEST)	source ID	"MDPC0x"	0x02	service name ²	request topic ²	request body ³	(RBAC) ⁴	
	SUBSCRIBE	source ID	"MDPC0x"	0x03	service name ²	request topic ²	(RBAC) ⁴		
	UNSUBSCRIBE	source ID	"MDPC0x"	0x04	service name ²	request topic ²	(RBAC) ⁴		
	PARTIAL	source ID	"MDPC0x"	0x05	service name ²	reply topic ²	partial reply body ³	(RBAC) ⁴	
	FINAL	source ID	"MDPC0x"	0x06	service name ²	reply topic ²	final reply body ³	(RBAC) ⁴	
	ERROR	source ID	"MDPC0x"	0x07	service name ²	reply topic ²	error body ^{2,5}	(request body ³)	(RBAC) ⁴
Worker (DEALER)	READY	source ID	"MDPW0x"	0x01	service name ²	- empty frame -	(API description) ^{3,6}	(RBAC) ⁴	
	REQUEST	source ID	"MDPW0x"	0x02	client source ID	- empty frame -	request topic ²	request body ³	(RBAC) ⁴
	PARTIAL	source ID	"MDPW0x"	0x03	client source ID	- empty frame -	reply topic ²	partial reply body ³	(RBAC) ⁴
	FINAL	source ID	"MDPW0x"	0x04	client source ID	- empty frame -	reply topic ²	final reply body ³	(RBAC) ⁴
	NOTIFY	source ID	"MDPW0x"	0x05	service name ²	- empty frame -	reply topic ²	final reply body ³	(RBAC) ⁴
	HEARTBEAT	source ID	"MDPW0x"	0x06	service name ²	- empty frame -	(RBAC) ⁴		
	DISCONNECT	source ID	"MDPW0x"	0x07	service name ²	- empty frame -	(RBAC) ⁴		
	ERROR	source ID	"MDPC0x"	0x08	service name ²	- empty frame -	error body ^{2,5}	(request body ³)	(RBAC) ⁴

¹only when using
ROUTER socket

²being UTF-8 strings

³opaque binary, e.g.
YaS-, CmwLight-, JSON-, or HTML-based

⁴RBAC token:
"RBAC=<role>,<hash>error code and/or stack-trace"

⁵error body containing

⁶optional API description
(→ OpenAPI, domain-objects, meta-data, etc.)