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	frame 8
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	frame 8
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	frame 8
Client (DEALER only)	GET (REQUEST)	source ID	"MDPC0x"[2]	0x01	service name[2]	client request ID*	request topic[2]	request body[3]	(RBAC)[4]	
	SET (REQUEST)	source ID	"MDPC0x"	0x02	service name[2]	client request ID*	request topic[2]	request body[3]	(RBAC)[4]	
	SUBSCRIBE	source ID	"MDPC0x"	0x03	service name[2]	client request ID*	request topic[2]	(RBAC)[4]		
	UNSUBSCRIBE	source ID	"MDPC0x"	0x04	service name[2]	client request ID*	request topic[2]	(RBAC)[4]		
	PARTIAL	source ID	"MDPC0x"	0x05	service name[2]	client request ID*	reply topic[2]	partial reply body[3]	(RBAC)[4]	
	FINAL	source ID	"MDPC0x"	0x06	service name[2]	client request ID*	reply topic[2]	final reply body[3]	(RBAC)[4]	
	ERROR	source ID	"MDPC0x"	0x07	service name[2]	client request ID*	reply topic[2]	error body[2,5]	(request body[3])	(RBAC)[4]
Worker (DEALER)	READY	source ID	"MDPW0x"	0x01	service name[2]	client request ID*	(API description)[3,6]	(RBAC)[4]		
	REQUEST	source ID	"MDPW0x"	0x02	client source ID	client request ID*	request topic[2]	request body[3]	(RBAC)[4]	
	PARTIAL	source ID	"MDPW0x"	0x03	client source ID	client request ID*	reply topic[2]	partial reply body[3]	(RBAC)[4]	
	FINAL	source ID	"MDPW0x"	0x04	client source ID	client request ID*	reply topic[2]	final reply body[3]	(RBAC)[4]	
	NOTIFY	source ID	"MDPW0x"	0x05	service name[2]	client request ID*	reply topic[2]	final reply body[3]	(RBAC)[4]	
	HEARTBEAT	source ID	"MDPW0x"	0x06	service name[2]	client request ID*	(RBAC)[4]			
	DISCONNECT	source ID	"MDPW0x"	0x07	service name[2]	client request ID*	(RBAC)[4]			
	ERROR	source ID	"MDPC0x"	0x08	service name[2]	client request ID*	reply topic[2]	error body[2,5]	(request body[3])	(RBAC)[4]

[1] only when using ROUTER socket

[2] being UTF-8 strings

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

[4] RBAC token[2]: "RBAC=<role>,<hash>"

[5] error body contain. error code and/or stack-trace

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

*stateful connections: worker mirrors client IDs
stateless connections: worker generates unique increasing IDs per Ctx
(to detect packet loss for true PUB/SUB 'subscription')