

### Majordomo Protocol (MDP) Version V0.1

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

### Majordomo Protocol (MDP) Version V0.2

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

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

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

<sup>1</sup>only when using  
ROUTER socket

<sup>2</sup>being UTF-8 strings

<sup>3</sup>opaque binary, e.g.  
YaS-, CmwLight-, JSON-, or HTML-based

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

<sup>5</sup>error body containing

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