

# Functionalities

## RuleEngine

This list contains only the supplementary functionalities added to the basic CMTAT RuleEngine interface.

Name	Description	Implemented
Manage rules	Add one rule	Implemented
	Remove all the rules	Implemented
	Remove one rule	Implemented
kill	Destroy the contract bytecode	Not Implemented
Access Control	Only the role RULE_ENGINE_ROLE may set/add/remove rules	Implemented

## Whitelist

This list contains only the supplementary functionalities added to the basic rule CMTAT interface.

Name	Description	Implemented
Manage whitelist	Add several addresses to the whitelist	Implemented
	Add one address to the whitelist	Implemented
	Remove all the whitelisted addresses (with a function).	Not Implemented We use a map to know if an address is whitelisted or not
	Remove a list of addresses from the whitelist	Implemented
	Remove one address from the whitelist	Implemented
Whitelist information	Get the number of whitelisted addresses	Implemented
	Get the list of all the whitelisted addresses	Not Implemented We use a map to know if an address is whitelisted or not
	Know if an address is whitelisted	Implemented
kill	Destroy the contract bytecode	Not Implemented
Access Control	Only the role WHITELIST_ROLE may add/remove addresses from/to the whitelist	Implemented
Check zero address	Revert if we try to add / remove the address 0	Not Implemented because we need to whitelist the zero address to mint tokens