

# Token Policy

TokenPolicy is a shared object that you, as the token owner, can create using the `TreasuryCap` . Having a publicly available TokenPolicy enables on-chain discovery of allowed actions and their conditions. This is useful for wallets and other services that want to provide a better user experience for token holders.

You create a new TokenPolicy using the `token::new_policy` function. The function takes the `TreasuryCap` as an argument and returns a TokenPolicy object and a managing capability.

You must use the `token::share_policy` function to share the TokenPolicy object.

To allow methods without any conditions, use the `token::allow` function. The function takes a TokenPolicy and `TokenPolicyCap` as arguments. If allowed, the action can be confirmed in the TokenPolicy using the `token::confirm_request` function (see [ActionRequest](#) ).

Similarly, you can use the `token::disallow` function to completely disable an action; it takes the same arguments as `token::allow` .

TokenPolicy can specify custom conditions for each action. These conditions are called rules and are typically implemented as separate Move modules. The identifier of the rule is its type. See [Rules](#) for more information.

The pseudo-code structure of the TokenPolicy is as follows. Each action can have multiple rules associated with it.

To add a rule for an action, use the `token::add_rule_for_action` function. The function takes a TokenPolicy and `TokenPolicyCap` as arguments. The rule is specified by its type (for example, `0x0....:denylist::Denylist` ).

Signature for the reverse operation `token::remove_rule_for_action` is symmetrical to `token::add_rule_for_action` .

Spent balance can be consumed from the TokenPolicy using the `token::flush` function. It requires a `TreasuryCap` .

## Create and share

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## Allow and disallow

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## **Adding rules**

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Spent balance can be consumed from the TokenPolicy using the `token::flush` function. It requires a TreasuryCap.

## **Consume spent balance**

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## **Cheatsheet: TokenPolicy API**