

MarketplaceBurner audit report

Audited contract

Source code: [MarketplaceBurner.sol](#)

Address: Not deployed yet

Related contracts and assumptions

MANA contract

During the audit we assumed that [MarketplaceBurner#mana](#) pointed to the smart contract located at [0x0f5d2fb29fb7d3cfee444a200298f468908cc942](#).

Source code: [MANAToken.sol](#)

Marketplace contract

During the audit we assumed that [MarketplaceBurner#marketplace](#) pointed to the ZeppelinOS-based upgradable smart contract located at [0x8e5660b4ab70168b5a6feea0e0315cb49c8cd539](#), with its implementation contract located at [0x19a8ed4860007a66805782ed7e0bed4e44fc6717](#).

Proxy's source code: [AdminUpgradeabilityProxy.sol](#)

Implementation's source code: [Marketplace.sol](#)

Contracts ownership

We assumed that once deployed, [MarketplaceBurner](#) will own the [Marketplace](#) and will be owned by Decentraland.

Audit results

Missing checks in [constructor](#)

The MarketplaceBurner constructor doesn't validate the values of the mana and marketplace addresses. While this could lead to accidentally deploying it with wrong values, its impact would be very low, as the contract can be redeployed.

Our recommendation is to provide a deployment script that uses the suitable addresses when running against mainnet. This makes the deployment auditable and testable.

Disabled functionality

The following Marketplace functions are not exposed by the MarketplaceBurner:

- [setLegacyNFTAddress](#)
- [setPublicationFee](#)
- [cancelOrder](#)

The impact of this depends on how often these functions are called, and should be assessed by Decentraland. Our guess is that only `cancelOrder` and `setPublicationFee` are going to be needed.

Comments

Missing check in [transferMarketplaceOwnership](#)

This function doesn't check if the new target is `address(0)`, which is considered a good practice, but `Ownable#transferOwnership` does it, so `address(0)` can't be accidentally used.

Missing tests

No automated tests were provided along the audited smart contract. We recognize that there's little value to be added by unit tests in this case, but integration tests would be valuable.

We recommend to automate the deployment of a test environment for all/most Decentraland smart contracts, as there are multiple interconnected parts. Not having such script leads to repeating work or avoiding tests altogether.