



DeXe Swapper Contract Code Audit by Ambisafe Inc.

August 2023

Oleksii Matiiasevych

1. **INTRODUCTION.** DeXe Network requested Ambisafe to perform a code audit of the DeXe Swapper contract. The contract in question can be identified by the following git commit hash:

47f6aafe562eebb757d8b88500780f8c8dd6267c

Only the Swapper contract is in scope.

2. **DISCLAIMER.** The code audit makes no statements or warranties about utility of the code, safety of the code, suitability of the business model, regulatory regime for the business model, or any other statements about fitness of the contracts for any specific purpose, or their bugfree status.
3. **EXECUTIVE SUMMARY.** There are **no** known compiler bugs for the specified compiler version (0.8.20), that might affect the contracts' logic. There were 0 critical, 0 major, 0 minor, 2 informational and optimizational findings identified in the contract. The contract functionality intends to let users burn their **source** token and get an equal amount of **destination** token in return. The **destination** token should first be pre supplied to the Swapper in order to operate. The contract is upgradable, and the owner retains the ability to withdraw any tokens transferred intentionally or by mistake in order to facilitate recovery and avoid assets loss.
4. **CRITICAL BUGS AND VULNERABILITIES.** No critical issues were identified.
5. **INITIAL LINE BY LINE REVIEW.**
 - 5.1. Swapper, line 18. Optimization, the **source** state variable could be made immutable and set in the constructor.

- 5.2. Swapper, line 19. Optimization, the **destination** state variable could be made immutable and set in the constructor.

A handwritten signature in blue ink, appearing to read 'Oleksii Matiiasevych', with a stylized, flowing script.

Oleksii Matiiasevych