

**Executive Summary for:**

# **CELO Security Assessment 2020 & Retest**

cLabs Inc.

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## Executive Summary

This Executive Summary presents an overview of findings of the CELO Security Assessment 2020 & Retest conducted on behalf of cLabs Inc. (cLabs). The assessment was conducted between 27/01/2020 and 07/02/2020 and was authorised by cLabs

The system being assessed automatically interacted with external cryptocurrency exchanges to balance the crypto-assets reserve that serves as collateral for the Celo ecosystem.

### Retest - Sergio Ambrona 15/04/2020

*An in-depth retest was conducted between 07/04/2020 and 15/04/2020, following a programme of remedial actions by cLabs. All comments related to this follow-up have been marked with the "Retest" tag and italics. All text from the original report has been purposely left unaltered for context.*

### Overview

The assessment established that the security posture was broadly appropriate to an application of this type. A relatively small number of issues were identified and none were assessed to pose more than a medium risk. Nevertheless, it is recommended that these issues are reviewed and addressed in line with a robust defence in depth approach to security.

The following table breaks down the issues which were identified by phase and severity of risk (issues which are reported for information only are not included in the totals):

Phase	Description	Critical	High	Medium	Low	Total
1	Database Assessment	0	0	1	9	10
2	Google Cloud Platform Assessment	0	0	4	10	14
3	Source Code Review	0	0	2	1	3
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>20</b>	<b>27</b>

### Retest - Sergio Ambrona 15/04/2020

*The retest performed after the remedial set of actions had been implemented showed that almost all significant issues had been resolved by cLabs, and the ones remaining should be resolved through the initiatives already in place at cLabs.*

The following table breaks down the issues after the retest of 15/04/2020:

Phase	Description	Critical	High	Medium	Low	Total
1	<i>Database Assessment</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>2</i>
2	<i>Google Cloud Platform Assessment</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>2</i>
3	<i>Source Code Review</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>

