Grain Intelligence Inc.   October 30, 2020
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San Francisco, CA
94103-4752

Introduction

Between the days of October 12th and October 30th, 2020, one (1) consultant from NCC Group expended fifteen (15) person-days of effort on a security assessment of the Grain Intelligence, Inc. (Grain) web application, Electron desktop application, and AWS cloud environment.

The purpose of this assessment was to identify application-level security issues that could adversely affect the integrity of Grain's applications or cloud environment. This assessment was performed by NCC Group under the guidelines provided in the statement of work for the engagement.

Testing Methods

The scope of the assessment included active testing against the Grain web application and ElectronJS desktop application, as well as a security configuration review of Grain's AWS cloud environment. While evaluating the overall security of the applications and cloud environment, NCC Group specifically tested the for the ability to:

• Obtain unauthorized access to users' private recordings
• Make unauthorized changes to the system
• Compromise the integrity of sensitive customer data
• Execute privileged commands remotely
• Inject malicious JavaScript code into the system
• Escalate privileges within the AWS cloud environment

Upon completion of the assessment, all findings were reported to Grain Intelligence, Inc. along with detailed recommendations for remediation.