

VMC Cybersecurity Executive Summary July-September 2019

October 17th, 2019

Overview

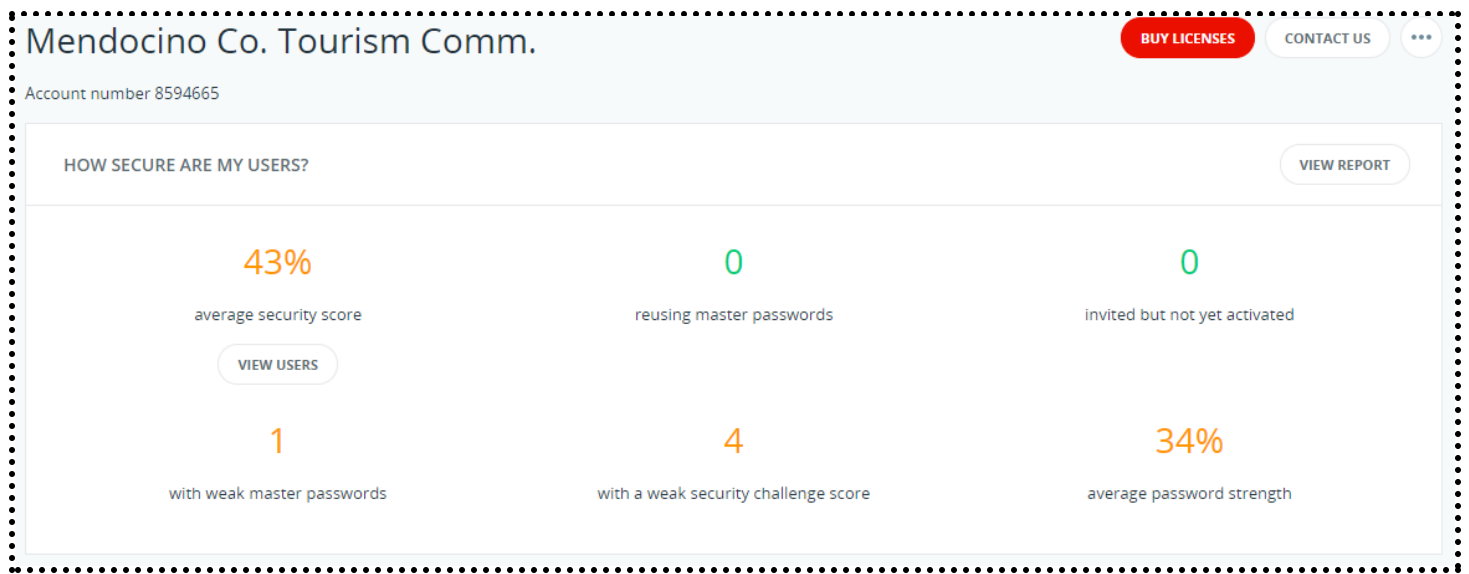
Visit Mendocino County has contracted with AreWeSafeYet.net to provide quarterly cybersecurity services. This document is a summary of services performed and issues discovered for the July-September 2019 quarter. More specific information about the Data Breach Report, Cloud Audit, and Phishing Report can be found in separate documents sent to Travis Scott. For any questions, please contact Tom Jacobson at **REDACTED**.

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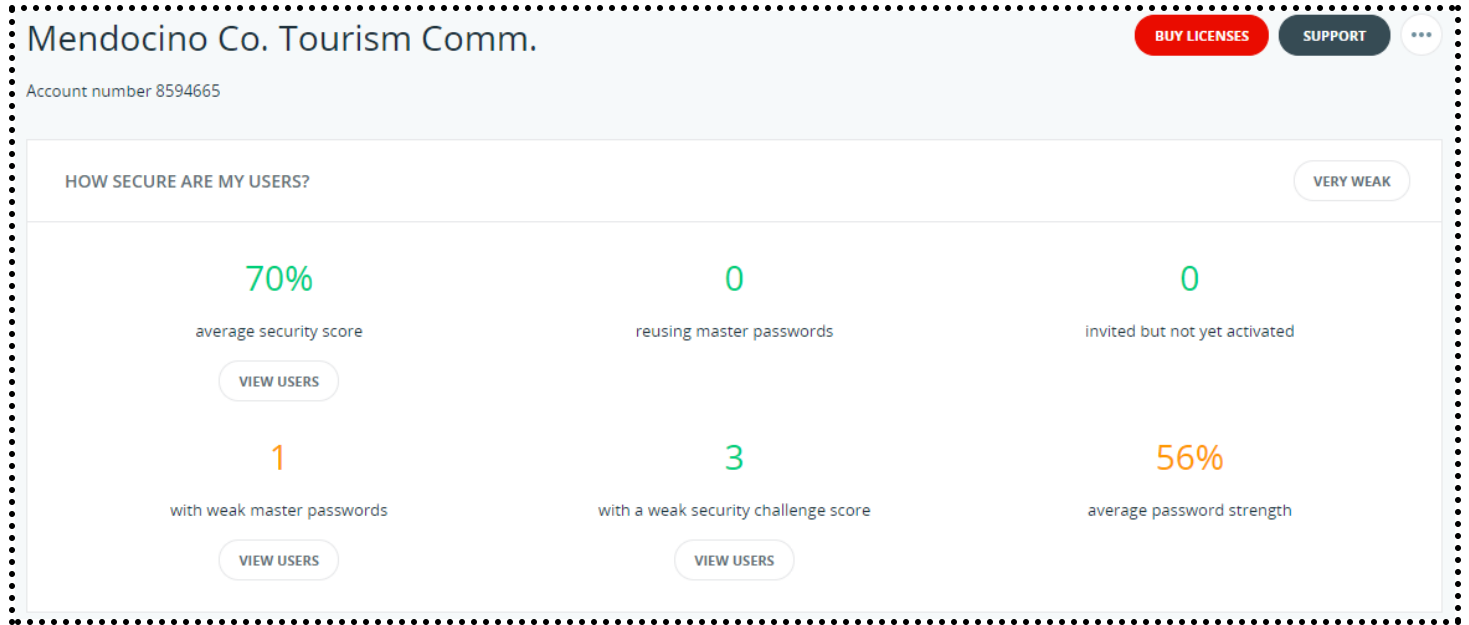
LastPass Security Update

Over the last year, VMC's Average Security Score (as determined by LastPass) has gone from 43% to 70%, an increase of 27%! This is a huge increase, and with additional training on password security could go even higher. This security score is determined based on a number of factors, including the strength of account passwords, overall adoption of LastPass by the organization, and the strength of individual users' master passwords. As a benchmark, the average Security Score compiled from over 47,000 businesses using LastPass is only 49%.

From October 22nd, 2018:



From October 17th, 2019:



1-on-1 LastPass Training

AreWeSafeYet.net worked 1-on-1 with several of VMC's employees to review how to use LastPass, make sure two-factor authentication systems were in place and working, and to change passwords identified as weak or compromised through LastPass's Security Checkup.

Cybersecurity Training Class for all Employees

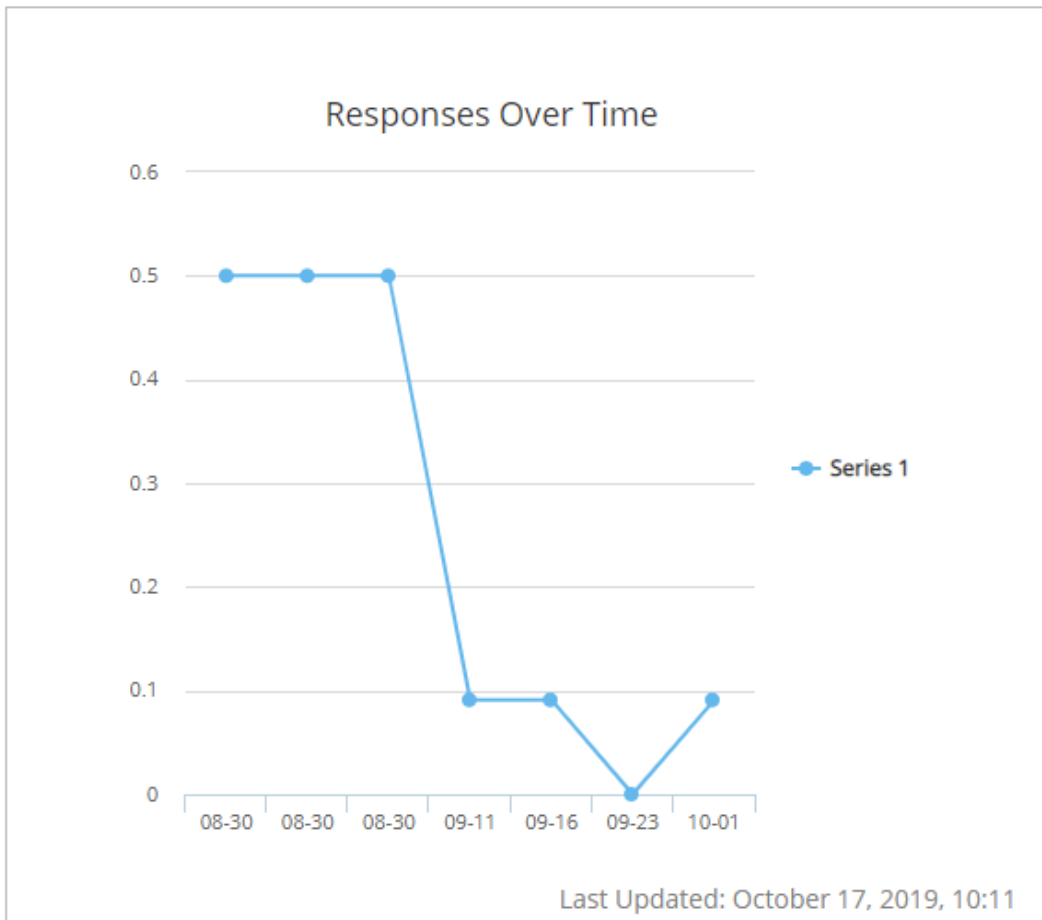
On September 17th, 2019, AreWeSafeYet.net gave a one-hour interactive cybersecurity training class to employees of VMC. Topics covered included phishing detection, threat intelligence (overview of cybersecurity threats facing the organization today), the results of the phishing training, and an in-depth look at several real phishing emails that had landed in the inbox of VMC's employees. The training was well attended, and employees shared personal examples and asked good questions.

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**This is what
VMC look
like to
hackers --->**



Phishing Training

AreWeSafeYet.net sent out four separate email phishing campaigns to VMC employees using TrendMicro's PhishInsight software. The first phishing email was the most successful, with one employee not only clicking on the phishing link but also submitting information to a simulated phishing site! However, after the initial phishing email, employees behavior changed noticeably as seen in the summary graph here:



For more information, please see report [VMC Phishing Report July-September 2019.pdf](#)

VMC Quarterly Cloud Audit

I performed a cloud audit for several of the Visit Mendocino County's cloud based information systems, looking at the security settings for each account as well as looking through the audit logs for suspicious or unusual activity. I audited the following systems: **REDACTED**, **REDACTED**, and **REDACTED**. No major problems were discovered, but a few things do require additional attention:

- **REDACTED**'s Dropbox data needs to be deleted from any devices that he may currently have in his possession and his account needs to be deactivated.
- **REDACTED** is not using LastPass to access the organization's accounts, which means she is relying on other less secure means (such as having the browser remember them) for doing so.
- Two-factor authentication for **REDACTED** and **REDACTED** has not been fully implemented for VMC, and should be in order to secure what are currently the two most important information systems used by the organization.

For more information, please see document **REDACTED**.pdf

VMC Data Breach Report

Visit Mendocino County has been minimally impacted by external 3rd party data breaches at this point in time. Only one user account (no longer active) had passwords exposed in a data breach. This is one of the best situations I have seen personally among non profits in Mendocino County. For more information, please see document **REDACTED**.pdf