

## CASE STUDY

# MTE<sup>®</sup> TECHNOLOGY IMPLEMENTED INTO PAYROLL PROCESSING PLATFORM



**Client:** WholesalePayroll

**Industry:** Financial Services

**MTE Toolkit:** MTE Web

### SECURITY ANALYST TESTIMONIAL

*“As the team penetration tester, I’m tasked with running regular tests on our webapp to ensure user data confidentiality and integrity are intact. MTE makes any form of automated scans inoperable which makes reconnaissance a chore. This is immeasurably useful as the majority of information gathering for targeted attacks is done through automation. If a threat actor cannot get information on a target, they will likely move onto lower hanging fruit.”*

— **Cutler Reyes, WholesalePayroll Security Analyst**

### WHO IS WHOLESALEPAYROLL?

WholesalePayroll is a new-to-market payroll platform that enables users to manage payroll exactly as they see fit, keeping it all in-house without needing to reach out to a support network to get things done.

The company is surrounded by palm trees and sunny skies in Marco Island, Florida, with workers remote all over the country. Their customers are among those scorned by sluggish issue resolution from competitors, poor performance, and exorbitant pricing; three things WholesalePayroll will make the market leave behind.

From mattresses, to vaults, to safes, to armored cars, to the dirt in the backyard - people have squirreled away their money for millenia. *Who can blame them?* Bank runs, infrastructure breakdowns, robbery, vandalism, thievery, fraud, and hacking are among the various ways money changes hands unscrupulously.

Throughout history, various methods of transportation and protection have been employed to keep money safe. *Why stop in the digital age?* Transactions, data, and various other handshakes are exchanged every second of every day, all over the globe. An unparalleled amount of these transactions are unprotected or otherwise vulnerable. Not at WholesalePayroll, however. WholesalePayroll has implemented Eclipses MTE technology, an easy-to-implement solution that sets a new standard for data security.

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### HOW ECLYPSES MTE TECHNOLOGY SOLVED A PROBLEM

Utilizing Eclypses revolutionary MTE (Microtoken Exchange) technology, WholesalePayroll has obfuscated and safeguarded all data exchanged between persons over its platform. Because of the instant-obsolescence mechanism that's core to MTE, bad actors have an impossibly steep uphill challenge to crack even a single piece of data. This hasn't been accomplished yet, but even if it were, that's only a single piece of data cracked; subsequent attempts using the same method would fail, due to every piece of data's encryption being random and obsolete immediately.

Both WholesalePayroll and Eclypses value performance. MTE technology is a low-resource, low-load addition that was painless to implement. That means WholesalePayroll suffers no performance drawbacks, and developers don't run into any hitches coding with MTE in mind. Tests are performed with MTE "on" and "off" by developers, and virtually no difference is observed. As a result, WholesalePayroll, equipped with Eclypses MTE, maintains fast performance and security that makes trying to obtain customer payroll data a nigh-impossible challenge. Customers can run payroll with complete assurance of the safety of their data, and their customers' data. This unparalleled level of confidence is only part of what separates WholesalePayroll and Eclypses from their competitors.

Cutler Reyes, WholesalePayroll's Security Analyst, has been internally attacking WholesalePayroll's software day in and day out, unable to find any holes in the walls MTE has put up. This gives WholesalePayroll world-class security with their FIPS 140-3 conformance tested technology. WholesalePayroll is the first in their market to utilize this technology, and it will set the standard for payroll companies for years to come.

*For more information, please visit [www.eclypses.com](http://www.eclypses.com) or email [contact@eclypses.com](mailto:contact@eclypses.com).*

