Overview
In today’s cashless society, card payments are used for billions of global electronic transactions worth trillions of dollars; and they continue to increase. Spending money has never been easier or quicker—but just how secure is it? From the swipe of their card to the money leaving their account, few people know where their payment data goes and how it is used.

That data must be protected at all stages of its journey. Service providers, merchants, and enterprises that process the transactions must ensure that cyber security is tight and PCI regulations are complied with. Not only does this protect the public, but it also protects the operators because they are constantly in danger of data breaches from cybercrime professionals.

Challenge
Voltage SecureData provides an end-to-end, data-centric approach to enterprise data protection. Its suite of encryption technologies provides a comprehensive protection platform that guards data over its entire lifecycle: Voltage SecureData Mobile provides security for sensitive data submitted from a mobile device; Voltage SecureData Web increases the security of e-commerce platforms; Voltage SecureData Payments increases the security of card payment networks and payment terminals; the Micro Focus Atalla HSM network security processor and the Micro Focus Secure Stateless Tokenization (SST) data protection technology streamline PCI compliance.

The job that these tools do is so vitally important that it’s essential for Micro Focus to ensure that its products comply with accepted payment industry regulations and stand up to its product advantage claims. To do this, Micro Focus needs to conduct due diligence with highly skilled third-party specialists who can run independent and unbiased evaluations.

Coalfire
Micro Focus® uses industry expert Coalfire to ensure that Voltage cyber security products conform to Payment Card Industry (PCI) standards.

At a Glance
- **Industry**: Software & Technology
- **Location**: United States
- **Challenge**: Validate the Payment Card Industry (PCI) compliance and performance of Micro Focus Voltage® cyber security products.

**Products and Services**
- Voltage SecureData

**Results**
- Micro Focus cyber security products conform to accepted Payment Card Industry standards
- In some instances, products exceed PCI security standards
- Encryption and tokenization provide end-to-end data protection

"Micro Focus products have delivered security levels that meet or exceed Payment Card Industry standards. Micro Focus Voltage SecureData helps to encrypt and decrypt data in such a secure manner that it keeps that data from being accessible even to those who are using the solution."

DAN FRITSCHE
Principal, Retail and Financial Services
Coalfire

Customer Success Story
Security

Security

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DAN FRITSCHE
Principal, Retail and Financial Services
Coalfire
“With the continued increase in mobile payments, being able to secure transactions from beginning to end becomes more important. Mobile payments flow through the cloud and through third party platforms outside the control of the merchant or processor, so being able to secure and encrypt that data across the entire transaction becomes critical.”

DAN FRITSCHE
Principal, Retail and Financial Services
Coalfire

Solution
To carry out this critical work, Micro Focus calls on the services of Coalfire, a global cyber security firm that provides wide-ranging risk management services to help enterprises stay secure. Among other cyber security services, Coalfire provides independent assessment and validation of cyber security products to ensure that they comply with industry standards.

Coalfire is a Qualified Security Assessor and a Payment Application Qualified Security Assessor for the PCI and holds many other industry and technical certifications, making it a reputable expert in the field.

“In our labs, we conduct cyber security testing to provide an unbiased third-party opinion of products, while remaining vendor-agnostic throughout the process,” says Dan Fritsche, Principal, Retail and Financial Services. “We don’t say that anyone has to use any particular solution; we just tell them what we know about different solutions and let the facts speak for themselves.”

Coalfire uses industry best practices in its testing methodologies, which identifies the target audience and evaluates the product’s compliance with PCI Data Security Standards. There is a feedback process for any problems that might appear, and the assessment results are then set out in technical white papers.

“All our results are fact based,” adds Fritsche. “It’s extremely rare for us to give a generic opinion on something. We back everything with testing.”

Results
Coalfire has evaluated multiple Micro Focus payment solutions and has compiled five white papers that confirm that they can be used to meet PCI DSS compliance and often provide additional security beyond PCI.

In fact, the Micro Focus Voltage products have been shown to go beyond PCI standards, as Fritsche explains: “PCI is just a baseline but, by design, Micro Focus solutions deliver a higher level of security. They can protect more than just cardholder data, and that’s a strong value. The breadth of the Micro Focus range is also important. For any company that wants to secure omni-channel payments, it’s good to be able to get a set of validated security products that cover more than just one area.”

Although it is vendor agnostic, Coalfire advises many companies that have already been breached or that want to avoid being breached, and the Micro Focus solutions often figure in those conversations.

“If they ask us what encryption and tokenization solutions they can use, we can share the work we have done with Voltage to demonstrate how they can leverage those products to stay secure,” concludes Fritsche. “All our white papers on Micro Focus products are focused on how the products will help people who use them meet the security goals they want or are required to have. The main benefit we have seen from Voltage encryption and tokenization is that it enables you to secure data at all times.”