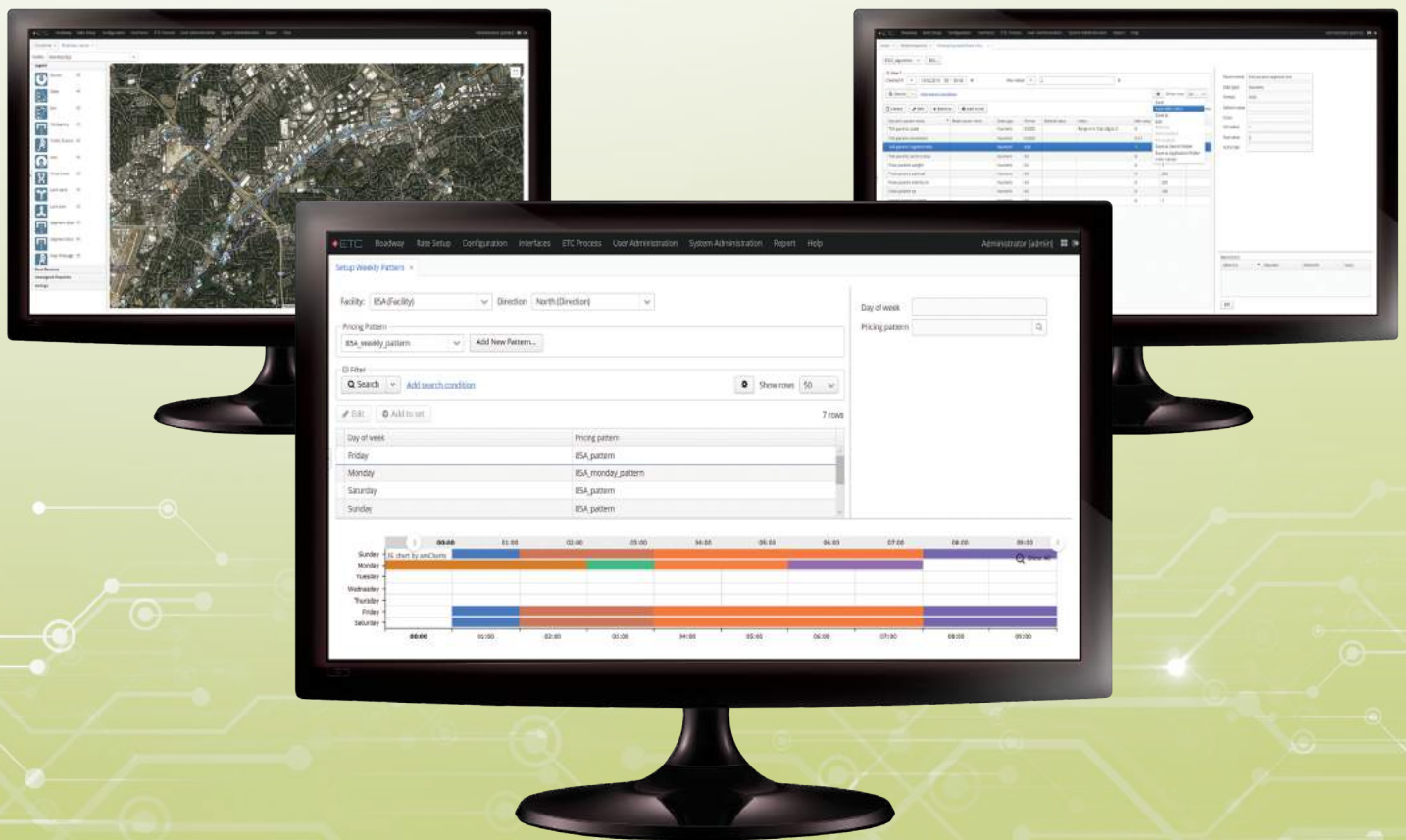


riteJetStream™

A Multi-Modal Tolling Event Processor

utilizing big data infrastructure and a modern user interface with configurable micro-services and pricing algorithms.



Key Features

Toll Host Modules Using Leading Open-Source Solutions

- Big data infrastructure
- Modern UI/UX
- Support services and maintenance control

Configurable Micro-Service Deployments

- Flexible, efficient, and low-cost solutions

Support for Future Toll Architecture & Strategy

- Data processed from multiple sources
- Configurable pricing algorithms (dynamic, TOD, dwell, and static)
- Trip building

Flexible Message-Driven Rules Based Engine

- Rule processing management
- Complete auditability

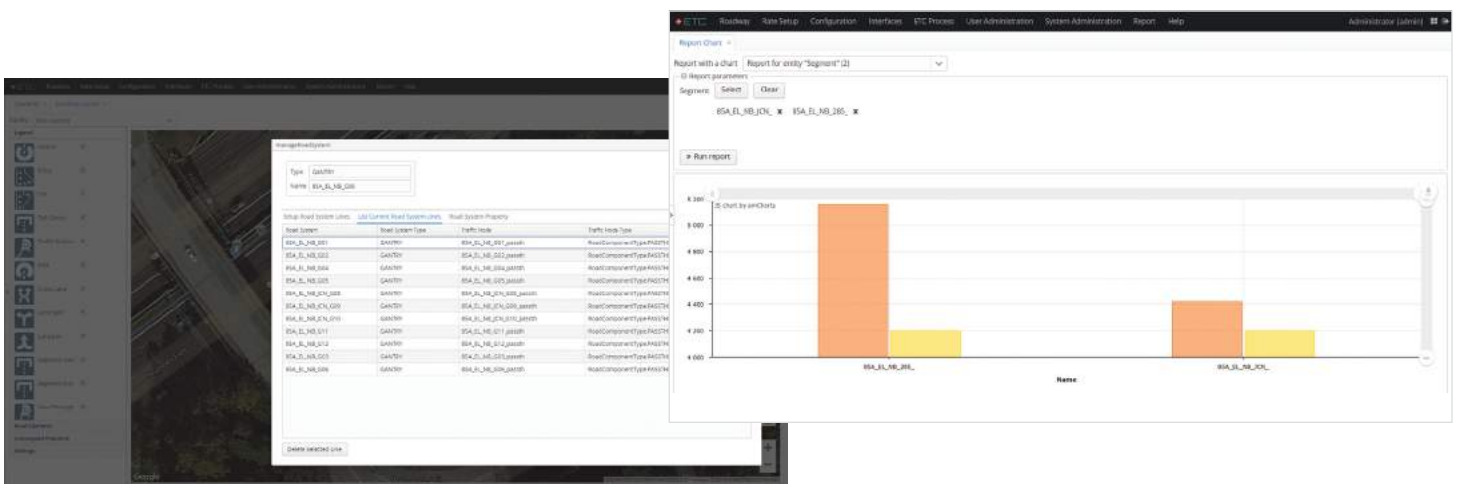
Module Integration Using Communication Bus

- Routing changes and facility-based routing
- High scalability
- Efficient cloud deployments

Proven Functionality

- Processing transactions from receipt to trip building

All processing modules and applications integrate through a central communications bus, providing authority-based transaction routing and high scalability, and enabling efficient cloud deployments. The architecture supports future tolling technology by enabling processing from multiple systems (multi-modal), configurable pricing algorithms (dynamic, time-of-day, dwell, and static) and trip building.



Modular Solution • State-of-the-Art Technologies • Future-Proof
Flexible Integration Framework • Manageable and Auditable

riteJetStream uses open source technology with a big data infrastructure to provide toll transaction processing services from receipt through trip building and CSC posting.

riteJetStream Offers:

- Automatic Transaction Auditing
- Vehicle Identification
- Trip Building
- Rate Assignment
- CSC Posting
- Centralized Communications Infrastructure



Availability and Reliability

riteJetStream runs on a cluster of servers in virtual machines, eliminating single server hardware failures. The communication infrastructure runs on multiple servers, and the redundancy can be configured together with redundant storage. All messages are stored in three interchangeable servers.



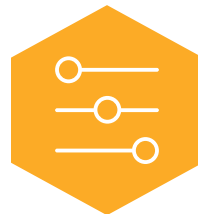
Data, Integrity, Accuracy, Auditability, and Reconcilability

riteJetStream's event-driven design is based on the message exchange of absolute entities to avoid inconsistent states. These messages carry record information, which prevents information loss. This design provides full auditability of status changes for toll transactions, images, or other entities.



Performance Scalability

Message-based architecture enables parallel and concurrent processing with horizontal scaling of hardware infrastructure.



Configurability

riteJetStream is configurable through the UI without developer support and allows operators to make substantial changes to maintain system relevance. As a microservice-based system, riteJetstream has the ability to modify or add features efficiently.

Based on this architecture model, our solution maximizes the data used for predictive analysis and machine learning jobs.



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