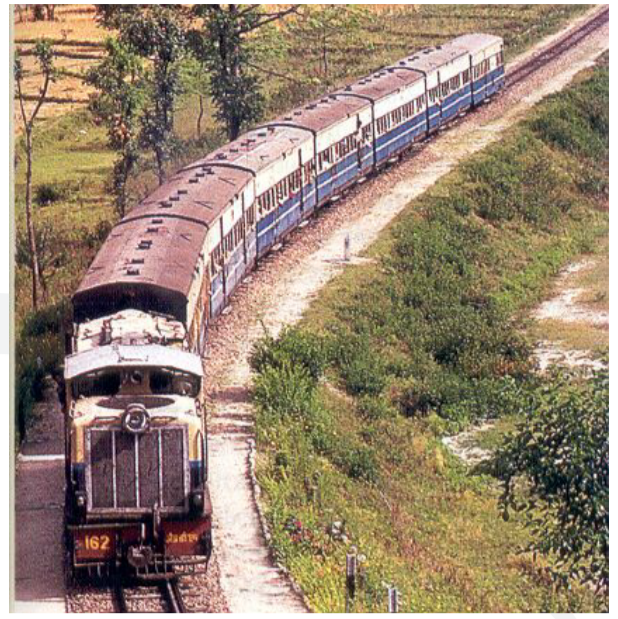


Indian Railways, the leading carrier of freight in India, is offering Freight Junction to automate wagon booking and consignment tracking for its customers. Freight Junction will provide look ahead planning capability to its customers and ensure optimum utilization of freight wagons as well as to provide better information availability to its customers. It would enable customers to book, consign and monitor the location of their freight across the entire country in real-time.

CRIS (Centre for Railways Information System) has developed Freight Operations Information System (FOIS) for Logistics Management of freight traffic. The system is currently available to users only from different zones/divisions of India Railways. CRIS plans to give access to this system to the customers of Indian Railways so that they can derive significant benefits in enhancing their dispatch operations capability from the system.

Freight Junction is a web enabled wagon booking and consignment tracking system, which uses X-AIDETM, an XML-based business solution offered by Extenprise to connect railway customers to FOIS. The Extenprise XAIDETM (XML Application Integrated Development Environment) provides XML based application-to-application integration between Railway customers and FOIS. In addition, it provides workflow capability to the customers.

Freight Junction will enable the FOIS users to access customized reports online using web browser. It will enable customers of railways to send their indents, receive rail receipt notes and track consignments through public network/Railnet and thus lay foundation for a comprehensive B2B.



SERVICES OFFERED BY FREIGHT JUNCTION

CRIS is offering three levels of information integration services to its FOIS-Junction customers.

BASIC: Information Access

Indent Confirmation and Indent Modification

Capture request for registration of rake indent from customers
Convert indent into registered demand

Tracking of rakes

- Invoice or / and wagon based consignment tracking
- Advice of wagons detached as of yesterday
- Details of freight and tonnage loaded and moved over a period
- Current insight from and/or to a terminal or group of terminals

Premium: Digital Information Exchange

Electronic exchanges of all rail documents including: -

- Basic Information Access
- Handling over / Taking over Memo wagon wise
- Tare weight Report
- Gross weight report for outgoing wagons
- Request for TXR examination for empty wagons for loading
- Report of TXR fit wagons for loading
- Placement Memo
- Consignment Note
- Railway Receipt Note

Star: Complete Integration

- Basic information Access
- Digital Information Access
- Ability to define workflows for information routing across client organization
- Notification through emails/ SMS
- Software tools for extraction of FOIS data and generating reports
- Application to application integration facility with client systems

VALUE PROPOSITION TO RAILWAY CLIENTS

Enhanced look ahead planning capability

Transport
Material Handling
Demurrages

Superior end customer service level by offering

Ability to integrate information on rake availability into despatch planning and purchase planning processes / applications

Reduction / Elimination of significant staff dedicated to integrating with Railways for rake loading, negotiation and tracking

Seamless Integration of your Extended Enterprise...

extended enterprise

FREIGHT JUNCTION OVERVIEW

Freight Junction consists of a browser as well as an application interface. The interfaces include functionalities such as authentication, data entry, data allotment, data approval report making and others.

Underneath the interface sits the XtenServerTM, which is an XML based server and provides integration functionality for document exchange between railway clients.

When a CRIS customer wants to order one wagon for its requirement, an indent creation request form is filled. Upon submission, the database is updated and the Indent request report moves from the client to the FOIS Server from where it is routed to the concerned railway authority for action.

Freight Junction offers clients a set of tools to integrate their information systems with Indian Railways:

Business Process Modelling /Notification

Rail Clients can define their internal business processes for each document exchanged with Rail.

For example, clients can define their a flow stating that an email be set to their stock manager / sales manager in a stockyard at Tuglakabad is due to reach in four hours or crosses Mugsalsarai etc. They can embed notification to various people in their and their partner organizations through emails and SMS

User Management

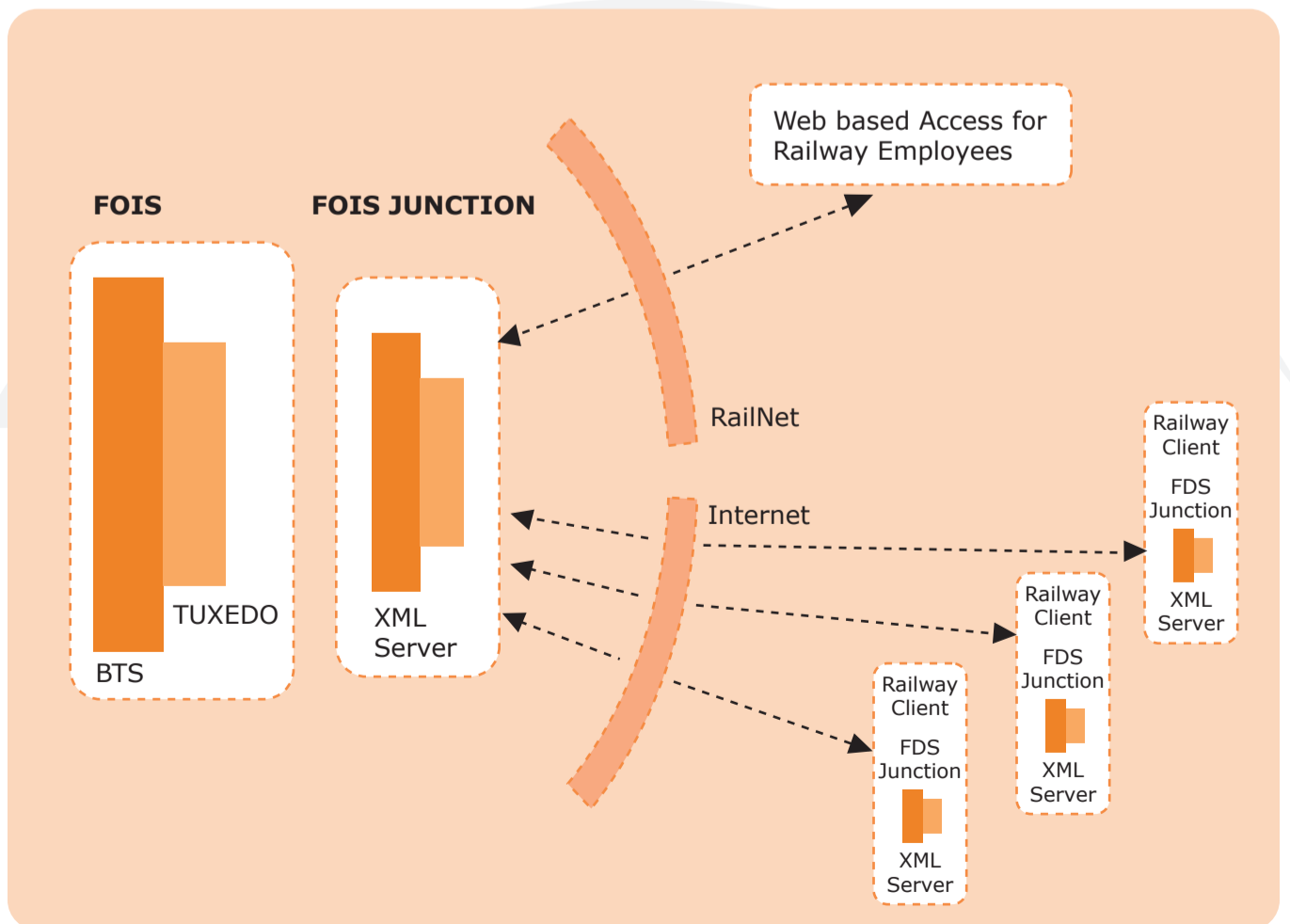
Freight Junction allows clients to define their users and assign permission to them to create / view documents

User Reports

Freight Junction provides clients to define their own formats of reports for XML data provided by FOIS, by using a set of graphical tools (XSLT WIZARD) and view the same over the Internet

User Application Integration

Freight Junction provides integration with client application over a JDBC bridge, by providing tools for graphical mapping between XML documents and client database.



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