Support Chain Integration Platform (SCIP)

Large enterprises across the globe, particularly military forces, recognize the need to modernize and secure their supply chains to improve performance and lower costs. Current supply chains exist as a collection of disparate systems, in different domains, with varying integration approaches and security protocols making integration and synchronization difficult and threatens security and accuracy of data.

To strike the optimum balance between data confidentiality, data integrity, and data availability, Leidos developed an innovative capability to support supply-chain management programs. The Leidos Support Chain Integration Platform (SCIP) provides secure transparency into the supply chain and gives users a comprehensive understanding of what material they have, where it is, and who requested it, which leads to increased efficiency and lower costs.

OUR APPROACH

The SCIP provides a secure integration platform and serves as the central hub to broker inbound and outbound messages and queues that interface with trading partner systems (i.e., non-government systems that reside outside of SCIP). We designed our innovative solution to operate in a cross-domain context, allowing independent applications distributed across various security domains to securely communicate with each other.

The SCIP is a service-oriented architecture (SOA) that enables the plug-and-play capability and federated physical deployment model for the business systems used for supply chain and logistics support services, as well as asset management. In addition to providing key logistics integration capabilities, the heart of SCIP is based upon the IBM Sterling distributed order management (DOM) system, providing a comprehensive software solution that brokers orders across many disparate systems, orchestrates and automates cross-channel selling and fulfillment processes, and provides a global view of supply and demand across the supply chain.

FEATURES	BENEFITS
Robust, secure, and reliable cross-domain logistics integration platform	Eliminates the need for costly and unwanted duplication of existing capabilities
Improved data confidentiality, data integrity, and data availability	Better decisions
One version of the truth	Same data for all stakeholders
Improved management information	Improved quality, reliability, and trust
Plug-and-play capability	Leads to better partnering and avoids vendor lock-in

OUR CAPABILITIES

SCIP helps organizations make better decisions by improving data integrity, availability, and confidentiality. Capabilities include:

- Communicates securely with the customer's cross-domain, gateway appliance system using Open Applications Group Integration Specification (OAGIS) Business Object Documents (BOD), which provides a canonical business language for information exchange. Uses XML as the data format for defining business messages. Also supports other protocols, such as Electronic Data Interchange (EDI), Secure File Transfer Protocol (SFTP), Secure/Multipurpose Internet Mail Extensions (S/MIMEs), and others to communicate with trading partner systems.
- Provides distributed demand orchestration to aggregate data from various systems to create a comprehensive order and fulfillment platform.
- Data storage capability provides transformed data for visibility, management reporting, Business Intelligence (BI), and service performance measurement.
  - Securely stores operational and historical data in an Enterprise Data Warehouse (EDW) following Federal Information Processing Standard (FIPS) 140-2.
  - Provides inventory location and availability, including in-transit inventory; products and product attributes to help reduce transportation costs; and multi-tiered pricing.
- Transportation Management (shipment) solution integration compares carrier rates and recommends order fulfillment using the fastest or most cost-effective delivery method.
- Warehouse Management System (WMS) integration enables routing of orders to the most appropriate Distribution Center based on business rules.
- Enterprise Resource Planning (ERP) integration enables financial reconciliation.
- Provides an online catalog for the placement of demands from an intuitive customer-friendly interface. Role-based access controls require the requestor gain approval to demand-controlled categories of items such as weapons or pharmaceuticals. Additional role-based controls ensure only items for which they have financial approval can be ordered.

PROVEN SUCCESS

Leidos' SCIP people, process, and tools consistently lead to our customers saving money, reducing lead times, operating with fewer personnel, while improving on-time-in-full deliveries.

One example of SCIP success is an ongoing contract with the UK Ministry of Defence (MOD). The 13-year, £6.7 billion contract will transform the UK's defence supply chain. Team Leidos has created IT services for the MOD that are robust, scalable, and built for future exploitation. For this program and others, SCIP can provide the technical transformation to enable a huge reduction in demand processing time, all scalable through cloud technology.

WHY PARTNER WITH LEIDOS?

Leidos' SCIP provides secure transparency into the supply chain and gives users a comprehensive understanding of what material they have, where it is, and who requested it, which leads to increased efficiency and lower costs.

NEXT STEP

The Leidos SCIP can transform your organization's workforce, automating manual tasks while increasing accuracy and reducing cost. Contact our SCIP experts to discuss what's next for your digital workforce transformation.

FOR MORE INFORMATION

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