

# DiConnect R11



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## DiConnect R11

When all trading partners communicate electronically, information travels faster and with greater accuracy, improving decision-making and reducing costs. Enter DiConnect, the most comprehensive B2B gateway solution available for messaging, mapping, transformation, trading partner community management, tracking, and auditing. Web-based, it leverages the latest industry standards and provides for direct, secure data exchange and can reduce the time, cost, and effort of fulfilling electronic communication requirements.

For data exchange in the supply chain of financial services, government and healthcare organizations, the integrity and security of the data transfer itself is imperative. The type of business documents and information may vary by industry or enterprise, but the goals are the same: the standardized, synchronized, and streamlined exchange of information across your trading partner community.

Efficient communication with your trading partners also depends on a high level of seamless interaction between disparate solutions and support for customer and industry initiatives. By leveraging the Internet and industry standards, DiConnect can enable your entire community of trading partners to exchange information electronically—even partners that currently exchange information via fax or phone — minimizing the manual rekeying of paper transactions and the need to connect to a VAN (Value Added Network). It's also interoperable with third-party solutions that support standards-based data transport.

*Your company can manage your trading partner and business communities while connecting your organization to all of your business partners—from Global 2000 organizations to much smaller operations—in a secure and cost-effective environment. And as the rate of partner participation increases, so do your savings.*

### With DiConnect, you can:

- Simplify trading community management with integrated supply chain communication solutions
  - Meet industry mandates and trading partner requirements
  - Realize 100% trading partner connectivity
  - Minimize inefficiencies, transaction-processing costs and cycle times
  - Gain real-time visibility into business activity
- and performance
- Integrate existing EDI or data translator/mapper solutions and back-office systems with ease
  - Plan for future growth with a flexible, scalable solution
  - Enable the cost-effective and secure electronic exchange of information with your trading partners

*Organizations are increasingly seeing the value of one solution to facilitate all file transfers, thus increasing end-to-end visibility in business processes.*

*Gartner What MFT is, and How it Applies to You. June 14, 2011*

The need of comprehensive B2B communication gateway business systems with enhanced connectivity, visibility, and control are often purchased as point solutions by various divisions within the same company. However, how well integrated these solutions are can significantly impact your ability to conduct business—inside the organization and across the trading community.

That's why DiConnect provides a fully integrated solution, or technological backbone, for the secure exchange of data, files, and documents. All business integration needs, whether application-to-application, internal department-to-department, or businesses-to-business, with your trading community are consolidated into a single, open solution that can easily be integrated with other technologies, greatly simplifying back-office system integration.

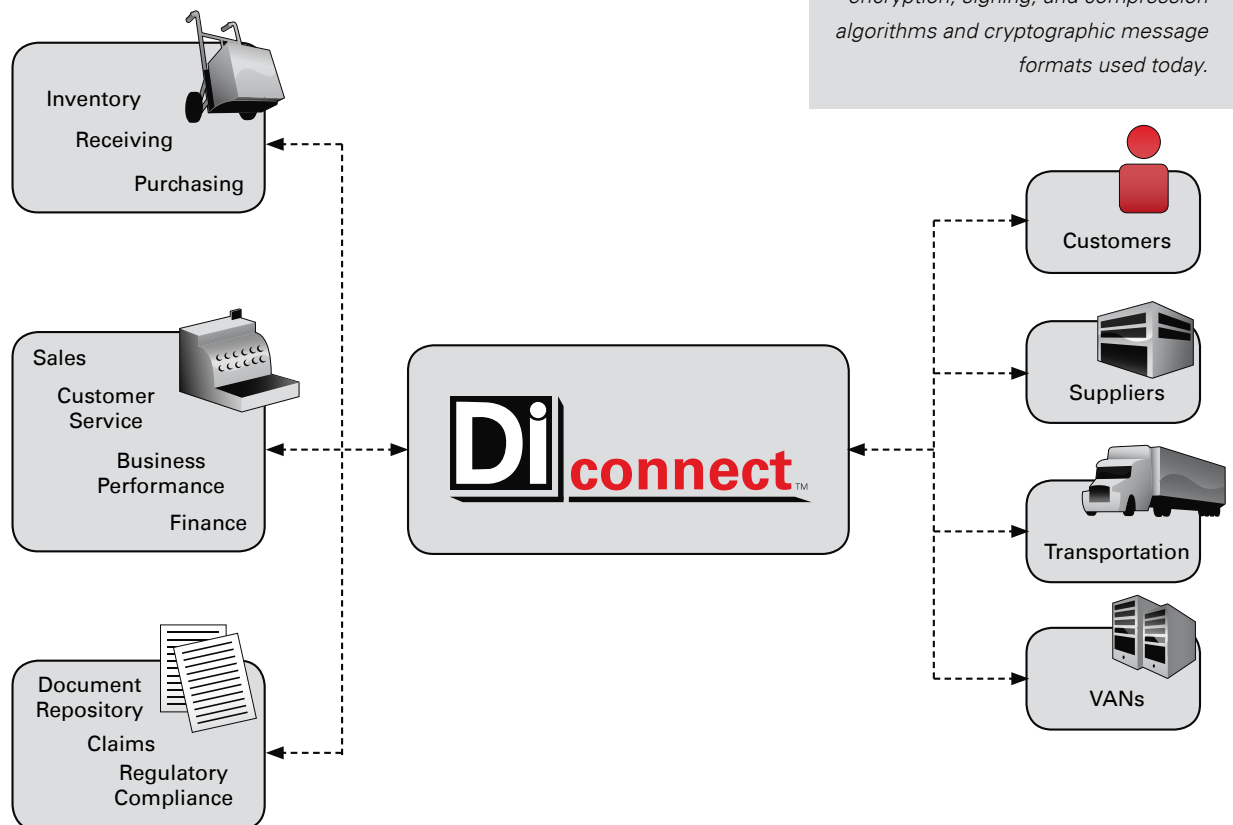
By enabling your internal data, your company will be better positioned to support future initiatives and react quickly to new competitive pressures. You will also gain real-time visibility into business activity and performance, the ability to analyze critical operational metrics, and enhanced control with proactive event management/alerting capabilities.


Every partner has its own way of doing business, its own unique requirements. How do you communicate with all of them without programming an individual connection to each one? Easily, since DiConnect accommodates multiple transport protocols and any type of data your partners need to exchange, from EDI and XML to flat files such as spreadsheets and CAD drawings.

Its high level of interoperability with other solutions means that partners using any AS1\*/AS2/AS3\* or ebXML\* certified solution can easily connect to DiConnect, further extending the return on your investment.

\* Available on the next release

*DiConnect supports any of the popular encryption, signing, and compression algorithms and cryptographic message formats used today.*





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## Key Benefits

For companies with hundreds or even thousands of business partners, managing the EDI-INT connectivity of each and every partner can be a heavy burden. Our Community Development team will work directly with your partners to get them connected as smoothly and efficiently as possible. Leave it to DiCentral to contact each of your partners, explain the business value of making a change, determine which DiCentral product offering best fits their needs, and manage the entire partner connectivity process.

### Comply with evolving supply chain requirements:

A highly scalable solution, DiConnect brings your business a competitive advantage in the rapidly changing technology landscape. By adhering to required technical standards, satisfaction will improve, response times will tighten and error rates will drop.

#### DiConnect supports evolving EDI requirements with:

- Secure file transfer of business data and documents internally and with your trading partners
- Several secure managed file transfer options and secure transports, including AS1\* (SMTP), AS2 (HTTP), AS3\* (FTP), ebXML\* and other network-based protocols and web services
- Non-repudiation with proof of transmission and receipt
- Integrity of business data/documents with signed and encrypted documents and encrypted HTTP/s and FTP/s connections
- Complete audit trail of all business data/documents exchanged via DiConnect

### Multiple business requirements, single solution:

DiCentral can provide you with one fully integrated solution to fulfill the communication and security requirements of your trading partners:

**Any-to-any connectivity**—any supported data format, any supported transport protocol. With DiConnect, how you connect is up to you. DiConnect enables simple point-and-click configuration of each partner's communication preferences, and its open connectivity eases back-office system integration.

**Map your way to success**—With wizards and drag-and drop functionality for quick and easy mapping, you can create mapping rules or use JavaScript for more complex and sophisticated translations. The solution also facilitates flexible data conversion, including flat file, ANSI X12, EDIFACT, TRADACOMS and GENCOD.

**Data transformation services**—DiConnect meets today's data translation needs with compliant data transformation for EDI, XML, text files and database-to-database, as well as:

- Transformation control numbers at interchange and group levels within a party
- Processing rules and document parsing/splitting that can occur prior to transformation rule actions
- A new transformation party at no additional cost
- Scalability to over ten million transformations per day
- Transaction management, archiving, and reporting

### **Activity and Exception Management:**

Users can create rules for document integration and metadata-driven routing (e.g. identify POs with certain value ranges, route certain documents to other applications or notify the warehouse manager when DiConnect simplifies trading community management by consolidating transformation and connectivity needs in one place, and provide a detailed audit trail for expedient issue resolution and control when a particular trading partner's transaction has been processed). Exception management capabilities proactively locate and list all errors relevant to individual user responsibilities, and alerts the right people when potential business issues arise.

### **Scalable Solution:**

DiConnect is Microsoft Technology-based, bringing high scalability and fault tolerance to your B2B communications. This scalability enables you to easily support increased transaction volumes as more partners participate or M&A activity increases the scope of your business. It supports the cloud architecture by using clustering and load-balancing technologies. Also, it includes the multi-level access for large-scale organizations.

### **Securely exchange data:**

When it comes to electronically exchanging the information that runs your business, security is paramount. In addition to fulfilling the most demanding security requirements of suppliers and retailers across the supply chain, DiConnect is designed to meet the strictest requirements of financial, healthcare, and government institutions.



**DiConnect Lite – Need the advantages of DiConnect, but on a smaller scale? We've got you covered.**

**DiConnect Lite: Streamline trading community management from your browser**

DiConnect Lite is a solution designed for small to medium-sized organizations that need secure connectivity internally and with up to 5 trading partners. An embedded database is included with simplified implementation in a small footprint. DiConnect Lite is a turnkey solution gateway for all inbound and outbound data, isolating and guarding your systems from exposure to outside vulnerabilities. It also helps direct inbound messages to ensure your back-end systems don't get backlogged and inbound documents don't fall through the cracks.

*DiConnect includes built-in transaction tracking with actionable audit trails; archiving with automatic archival of closed-out transactions; real-time persistent queuing with retry, redundancy and fallback; and advanced reporting capabilities.*

## Features

DiConnect supports the most secure data transfer standards available—with encryption for privacy, digital signatures for authentication and non-repudiation—and is backed up by a full PKI solution, ensuring transactions arrive unaltered and that senders and receivers are who they claim to be.

DiCentral's encryption process supports the high-speed throughput of large amounts of encrypted data, reducing bottlenecks and keeping transactions flowing.

### Security Protocols

- Full certificate authority, including X.509 certificate issuance and revocation, automated certificate exchange, and centralized management of certificate requests; certificate aging and replacement, with services such as CMP, SCEP, RTCS, and OCSP, and other security operations such as secure time stamping (TSP)
- Full X.509/PKIX certificate handling (all X.509 versions from X.509v1 to X.509v3) with additional support for SET, Microsoft AuthentiCode, Identrus, RPKI, SigG, S/MIME, SSL, and Qualified certificates, PKCS #7 certificate chains, handling of certification requests and CRLs including automated checking of certificates against CRLs and online checking using RTCS and OCSP, and issuing and revoking certificates using CMP and SCEP
- Interoperate with any other trusted Certificate Authority, including certificate import/export and real-time CRL checking
- Complete security services such as S/MIME, CMS and PGP/OpenPGP for flexible secure message enveloping
- SSL/TLS and SSH for secure messaging sessions
- Strong encryption with DES, 3DES, RC4, RC5, AES, PGP\* or BLOWFISH
- Authentication via digital signatures using MD5, SHA1, SHA2 or RIPEMD160
- Use authenticated encryption to provide both encryption and the benefits of a digitally signed envelope without any need to explicitly manage a digital signature.
- Secure, sophisticated key storage using of a wide range of key database types ranging from PKCS #11 devices, PKCS #15 key files, and PGP/OpenPGP key rings through to commercial-grade RDBMS' and LDAP directories with optional SSL protection.
- Compatible with a variety of external crypto devices such as hardware crypto accelerators, Fortezza cards, PKCS #11 devices, hardware security modules (HSMs), and crypto smart cards.
- Secure mail boxing: When implemented by a hub, secure mail boxing enables small trading partners, branches, and even divisions to participate in trading community management via the Internet
- Message compression—up to 20:1 compression ratio for text
- Load balancing and fault tolerance: DiConnect provides these security features via distributed installation on multiple servers.

*The cost for organizations of managing the large number of file transfer solutions they deploy, many of which are unique to specific use cases, is driving companies to consolidate their transfer technologies for integration, to implement processes and to support collaboration.*

*Gartner Use These Evaluation Criteria to Establish your MFT requirements. November 1, 2011*



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