

Encryption for Entire Net-Work

PROTECT "DATA IN MOTION" OVER PUBLIC NETWORKS

Encryption is fast becoming a key proactive security measure to reduce the risks of stolen or lost data. Software AG's encryption solution protects your data at its most vulnerable point: on public networks between the application and your Adabas database.

Because hackers are becoming increasingly sophisticated, standard DBMS and application-level security methods, such as authentication, authorization and access control, are simply not enough to protect your data.

That's why Software AG offers Encryption for Entire Net-Work. This proven and certified solution protects your "data in motion" on public networks, including the Internet, between Adabas and any application.

With Encryption for Entire Net-Work, you can:

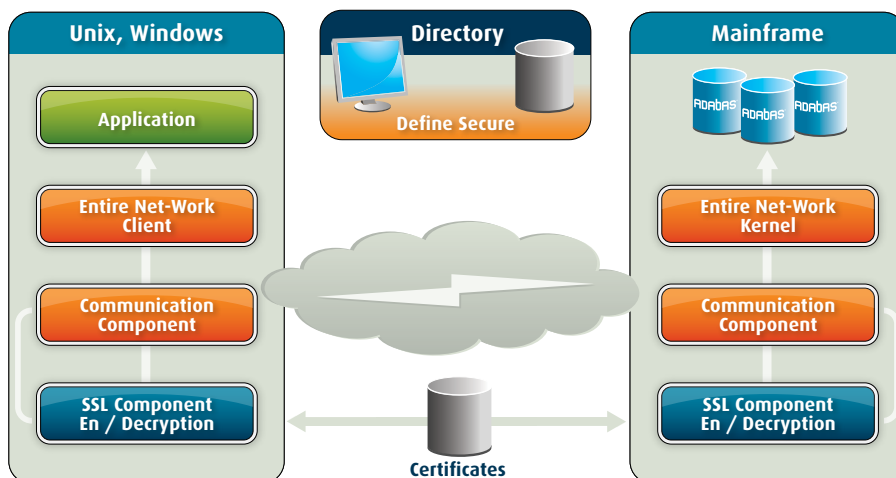
- Encrypt data where it's most likely to be stolen
- Make it tough for hackers to make sense of sensitive data
- Comply with National Institute of Standards and Technology (NIST) standards and U.S. encryption regulations, such as FIPS 140

- Rely on a state-of-the-art solution that's easier to implement than point-to-point alternatives

HOW IT WORKS

To encrypt data over public networks, you'll need to install Entire Net-Work at both the application and Adabas ends of the communication. You'll need a running Entire Net-Work connection using the latest releases for the appropriate platforms. When used on the mainframe, deploy the Entire Net-Work TCP/IP options and extend the Simple Net-Work Connection driver definitions using settings that enable encryption. On open systems, you'll need to define a connection as secure using directory server administration.

Then, when an application sends a request to Adabas, the Entire Net-Work client checks the target URL and determines whether a secure connection needs to be established. If security's required, the encryption certificate is read and the Net-Work encryption component is called. Once encrypted, the data is sent to the network for transport to Adabas. On the Adabas end, encryption works the same way, just in reverse.



Use iron-clad encryption for your data while it's en route over public networks between Adabas and your applications.

FEATURE	WHAT IT IS ...	WHY YOU CARE ...
Encryption of "data in motion"	<ul style="list-style-type: none"> • Encrypts data over public networks between applications and Adabas databases • Offers high data protection at a low cost 	<ul style="list-style-type: none"> • Encryption makes it much harder to take advantage of stolen data • Meet security requirements in a highly manageable way
Application transparency	<ul style="list-style-type: none"> • Available Adabas assets can be used as-is with no modification to assure fast start-up • Operates without affecting the application or database 	<ul style="list-style-type: none"> • Incur no additional costs for changing applications • Realize immediate results—just install and activate to secure your public network
Wide range of encryption algorithms	<ul style="list-style-type: none"> • Based on certified encryption algorithms that comply with U.S. encryption regulations, such as FIPS 140 	<ul style="list-style-type: none"> • Avoid "one size fits all" solutions—choose the algorithm that meets your specific security and performance requirements • Use another algorithm, when needed, to restore security
Protection where it's needed most—over public networks	<ul style="list-style-type: none"> • Plugs into the Entire Net-Work client (WCL) or the Entire Net-Work (WCP) at the server side where Adabas resides • Complements encryption methods for "data at rest" 	<ul style="list-style-type: none"> • Add encryption precisely where it's needed • Avoid overhead in the data center, where your environment is already protected
Multi-platform support	<ul style="list-style-type: none"> • Works for Adabas on mainframe and open systems • Available for z/OS, z/VSE and all open systems platforms where the Entire Net-Work client and server run, such as Linux, z/Linux, Solaris, HP UNIX, AIX and Windows 	<ul style="list-style-type: none"> • Establish a secure line to any Adabas database
Test certificates*	<ul style="list-style-type: none"> • Generates an encryption certificate immediately after installation to test the environment 	<ul style="list-style-type: none"> • No additional effort or cost required to verify the solution

GET THERE FASTER WITH ENCRYPTION FOR ENTIRE NET-WORK

Prevent security breaches

As a data safeguard and theft deterrent, encryption is second to none because encrypting data renders it unusable to thieves. To use encrypted data, the encryption or decryption key has to be known. So be sure to store those key certificates in a secure place.*

Protect data exactly where it's needed

Data centers typically secure stored "data at rest." Encryption for Entire Net-Work complements that security by encrypting "data in motion" over public networks.

Meet regulatory requirements—quickly

Using the solution, you can comply with government regulations to encrypt sensitive data, including credit card numbers, driver's license numbers, insurance policies and bank account numbers.

Secure the work of mobile employees

With Encryption for Entire Net-Work, you can secure data sent and received by mobile employees who use the Internet, where data is most exposed to potential theft.

Reduce costs

When using Encryption for Entire Net-Work, there are no additional costs for changing applications. Because data is encrypted before being sent over the network and decrypted upon return, the process is application-transparent.

**For production environments, we recommend you purchase certificates from a trusted provider, such as VeriSign, SSL.com or Network Solutions, and then store those certificates in a secure place.*

To find the Software AG office nearest you, please visit www.SoftwareAG.com

ABOUT SOFTWARE AG

Software AG's 4,000 global customers use our software to improve business processes and drive an agile IT infrastructure. Our customers' goals are to reduce costs and increase flexibility and efficiency. We help them do this by optimizing and governing their operations and aligning IT with the business goals.

Our leading Business Infrastructure Software portfolio is used for data and system integration and modernization. It fosters new levels of IT agility through SOA and allows the rapid creation of new business processes with BPM.

Our 40-year history of success ensures our customers have a reliable platform for driving future business results – faster.

Software AG – Get There Faster

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