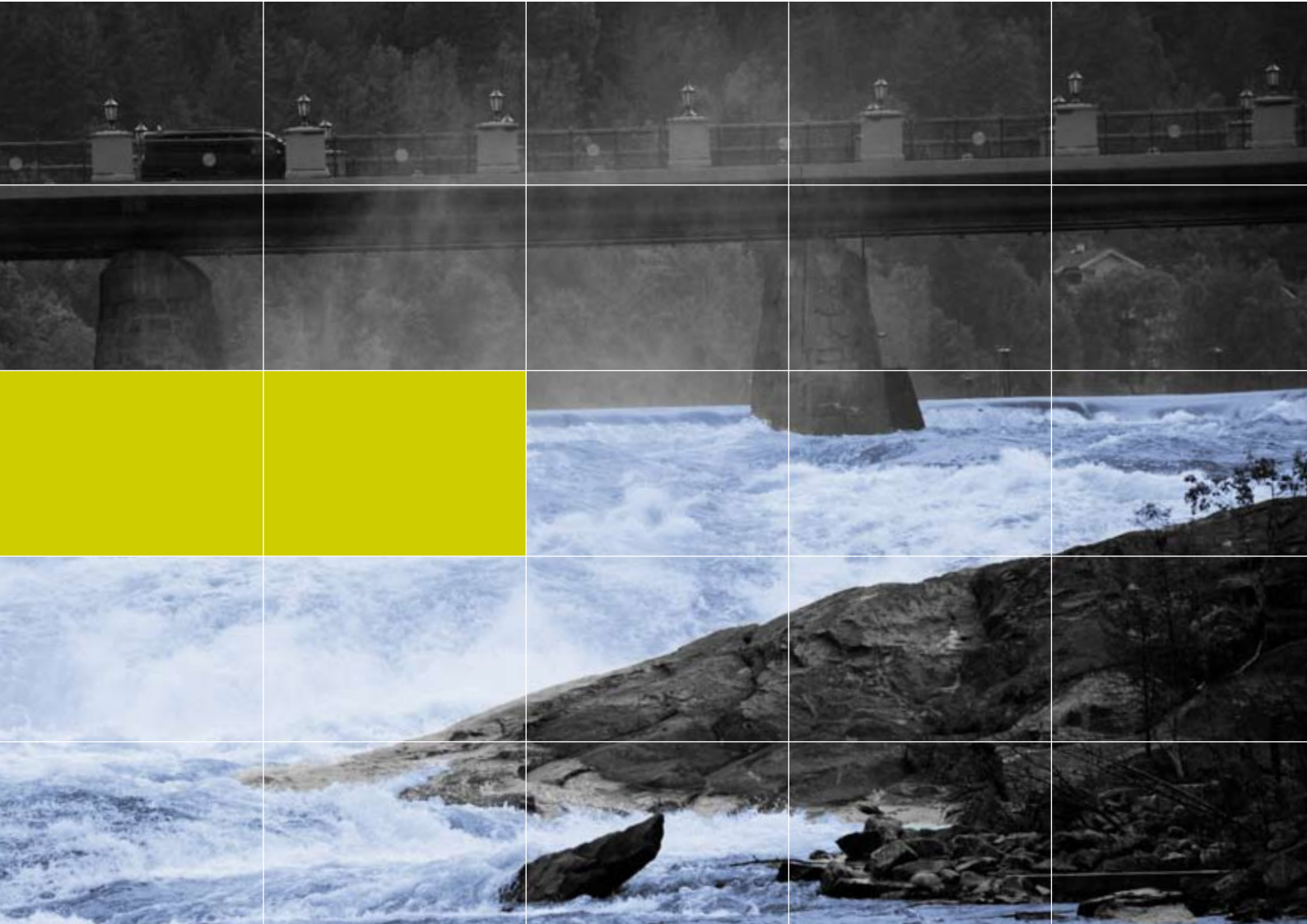


WHITEPAPER

ECxgate

- your bridge within communication



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INTRODUCTION

ECxgate is a next generation product from Client Computing, which incorporates the design philosophies used in our very successful product ECPower. ECxgate is a sophisticated, extremely flexible, yet easy-to-use solution, which facilitates enterprise application integration (EAI) as well as business-to-business (B2B) integration. ECxgate can be deployed in a stand-alone environment to address smaller B2B integration issues, or as the hub of a large data communications network. The module based design provides costefficient scalability, as only the required functionality and features need to be purchased. Regardless of the implementation method, ECxgate is easily configured and managed.

By using the extensive search capabilities of the ECxgate Control Center or the ECxweb user interface, users can effortlessly and quickly locate messages based on a wide variety of search criteria. Once located, the statuses of messages are immediately recognized based on a simple color scheme. The extensive logging that is connected to each message makes troubleshooting a breeze. Reprocessing of a message is as easy as a single mouse click.

The built-in features of ECxgate allow the handling of most file types and formats, including but not limited to; XML, CSV and ASCII. Conversion of data is handled with an exceptionally flexible mapping tool, which is basically capable of mapping anything-to-anything. As a successor to a traditional EDIFACT message handling system, ECxgate also incorporates complete message handling features based on the UN-standard UN/EDIFACT, and can exchange all messages which are derived from this standard. An example of these message types include: UTILMD, UTILTS, MSCONS, DELFOR, PRODAT, ORDERS, INVOIC, CONTRL and APERAK.

Exchanging secure encrypted or clear-text data and messages can be done with the standard communications modules available in ECxgate, which include SMTP, FTP, filesharing and X.400.

WHY CHOOSE ECXGATE?

INTEGRATION

- You have several systems that must be synchronized
- You have subsidiary companies sharing data
- You are trading data with business partners
- You need to save time
- You need to convert data from one system to another

FLEXIBILITY

- You want a system that can deal with most formats used in an electronic world with electronic documents and data
- You require Module based scalability
- You want data traceability and easy reprocessing of data
- You want multiple message routing capabilities

EASY TO USE

- You would like functional simplicity which has been a goal from the early development stages of a product
- You want to use a system that is designed from an 'end-user' perspective

A SYSTEM FOR THE FUTURE

- We monitor the customer needs and gladly accept their input
- We are represented in several industry user groups
- We use a module based design, allowing easy scalability and expansion
- Our Module based security allows new technologies to be easily implemented
- We perform ongoing stress testing, making it very reliable
- We use the latest development tools, making ECxgate fast

FEATURES

COLLECTING EXTERNAL MESSAGES FROM MULTIPLE SOURCES:

- POP3
- File Share, with the possibility to logon over a network
- FTP
- X.400, Database, Web services, HTTP, HTTPS, AS2 *

COLLECTING INTERNAL MESSAGES FROM:

- POP3
- File Share, with the possibility to logon over a network
- FTP
- X.400, Database, Web services, HTTP, HTTPS *

DELIVERING/SENDING

- SMTP
- File Share, with the possibility to logon over a network
- FTP
- Database , Web services , HTTP, HTTPS, AS2 *

PRIORITY

- Inbound and outbound channels have individual priority and poll time
- Outbound channels have file watchers which trigger as soon as a file appears in the outbound folder
- All inbound and outbound data routes have individual priorities

DECRYPTION

- RSA, DES, X.500

ENCRYPTION/PACKING

- RSA, DES, X.500
- ZIP *

UNPACKING (UNZIP)

- Unzipping of received files and treating the contents individually as unique messages*

ONE INPUT, MANY DESTINATIONS

- Files received from partners may easily be routed to multiple destinations with different formats

USER FRIENDLY

- Easy to use Graphical interface for end users
- Complex configurations are very easy to perform
- User friendly transaction log for locating, viewing and reprocessing of messages

FLEXIBILITY

- Extremely flexible mapping tool, Datastage TX from IBM
- Module based

PERFORMANCE

- High throughput
- Inbound and outbound data-flow are independent of each other
- ECxgate server can easily be balanced to other servers
- High performance data conversions using Datastage TX from IBM

RELIABILITY

- On power failure or reboot, the system will start processing messages where it stopped
- On lost network connections the system will queue up messages for delivery and retry a configurable number of times before the message fails

* (future release)

LOGS

- Every data route has individual log settings
- A user friendly Transaction log showing individual transactions as well as relation to other transactions in the case of the CONTRL message
- Navigation directly from Transaction log to the Partner configuration, the Company configuration, the Message definition, and the Mapping definition

SUPPORTED EXCHANGE FORMATS

- A2A (Application to Application)
- A2B (Application to Business)
- B2B (Business to Business)
- B2C (Business to Customer)
- EAI (Enterprise Application Integration)
- M2M (Machine to Machine)
- EDIFACT (Electronic Data Interchange for Administration, Commerce, and Transport)
- EDIEL(EDI for the Electricity industry)
- ebiX (European forum for energy Business Information eXchange)
- UN/CEFACT (United Nations Centre for Trade Facilitation and Electronic Business)
- XML (eXtended Markup Language)
- ANSI X.12 (American National Standards Institute Accredited Standards Committee X12)
- ODETTE (Organisation for Data Exchange by TeleTransmission in Europe) (EDI for the automotive industry)
- Flat files
- ASCII files(txt, csv, ini, etc)
- .CSV (comma separated format)
- .DOC (Word Document) *
- .XLS (Excel document) *

USERS

- Companies may be registered with contacts
- Contacts may be assigned as route responsible

* (future release)

MODULES

WEBMODULE

- Web based user interface

COMMUNICATION PLUG-IN

- Simplify the implementation of new protocols.

SECURITY

- Data encryption and decryption

ALARMS

- Notification of errors
- Notification on transaction events

EXTENDED SEARCH

- Ability to log application data
- Search the extended data

EVENT

- Notification on transactions that should have occurred

SPAM

- Mark messages as spam
- Filtering: do (not) shows SPAM



SOFTWARE REQUIREMENTS

OS

- Microsoft Win 2003/2008 Server with .NET framework
- Latest service packs

SQL SERVER

- Microsoft MS SQL sever 2005/2008
- Latest servicepack

RAM

- 4 G. byte Ram

CPU

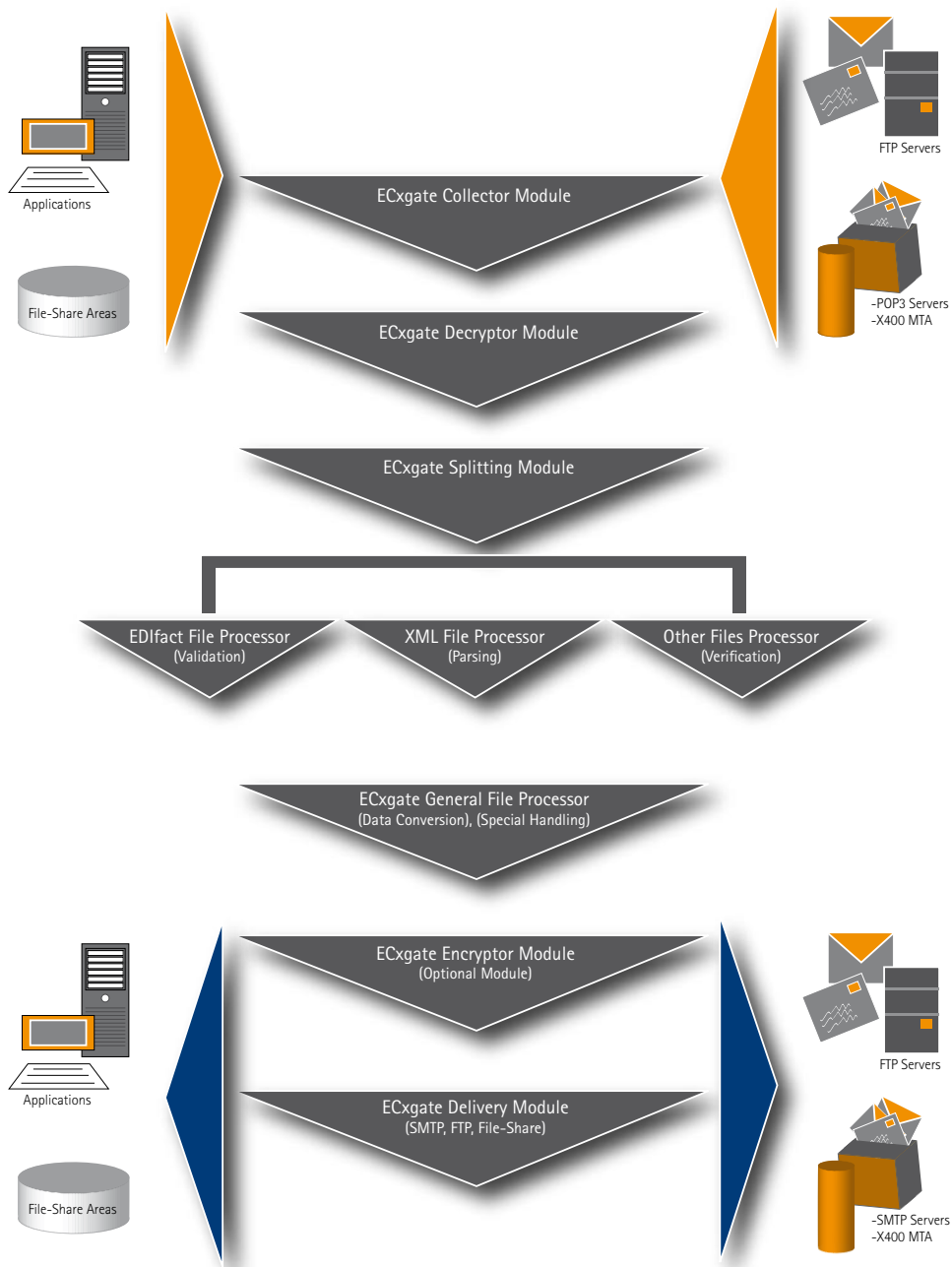
- 3 G. Hz

DISK

- 250 G. Byte



SYSTEM DIAGRAM



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