

Technology

In 2008 Coprocess took on the task of totally rewriting our intercompany netting application using the latest tools and standards in order to benefit from the power and flexibility inherent in today's modern browser based world.

We therefore rewrote the whole application and ditched all the legacy code. We added the new modules and made use of all the latest standard tools. In terms of technology the solution has 4 main tenets:

Modern

- Modern Industry standards including Microsoft .NET and MS SQL Server database
- Runs on Windows and IIS
- Web-based client application, optimised for use with modern browsers (IE 11, Edge, Firefox 3.6+, Chrome 14+)
- Can be hosted by Coprocess or deployed to your data centres
- Highly available and reliable system architecture with redundancy

Secure

- End-to-end to security
- Deloitte SA audited SSAE18 Type 2 (was SAS 70 Type 2 and SSAE16 Type 2) Security and Control audited 2013 and yearly since.
- Deloitte SA audited for penetration testing (yearly since 2013)
- Single Sign On (SSO) via SAML 2.0
- Role-based authorisation
- Optional four-eyes security for dual control on sensitive data entry and operations
- Full audit trail
- Full historical data and reporting
- Full secure backup
- Secure communication (https)
- Secure delivery of payment instructions (sftp)

Flexible

- Extensible module for import and export formats
- Extensible reporting with full report writer available. Reporting in multiple formats including PDF, Word, Excel, CSV, email
- Interfaces with ERP systems, including SAP, Oracle, Peoplesoft etc
- Over 40 bank and treasury system payment interfaces
- Custom interfaces can be easily added
- Multiple UI themes available
- Customizable logo and home page
- Fine-grained configuration options

Powerful

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- Built for large volumes with backend relational database (MS SQL)
- Scalable via load balancing
- Fast http compression
- Best-of-breed AJAX web controls
- Load tested regularly as part of quality control

[Click here to see a diagram of the architecture on the Coprocess environment](#)