

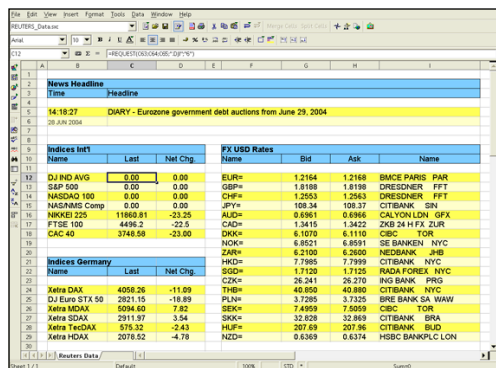
Issuance, Trading & Market Making

Fact Sheet

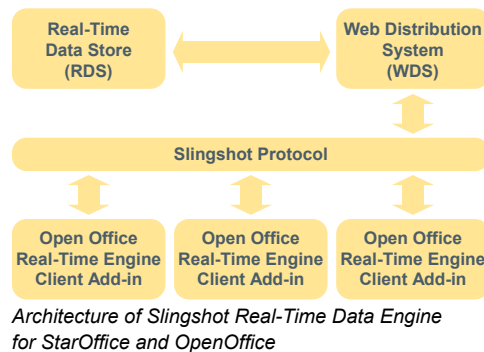
Real-Time Data Engine for StarOffice and OpenOffice

Swissrisk AG offers a Real-Time Data Engine for the StarOffice and OpenOffice application suites from Sun Microsystems and Openoffice.org. The richly featured solution enables users to request real-time market data from Swissrisk native market data distribution platform InVision or via systems such as the Reuters Triarch or the new Reuters RMDS platforms.

Additionally the Real-Time Data Engine for StarOffice and OpenOffice enables publication of data created in any StarCalc spreadsheet back into the market data distribution system. Such data might be used for internal contribution only or contribution to market data vendors such as Reuters or Bloomberg.



An example screen



Architecture of Slingshot Real-Time Data Engine for StarOffice and OpenOffice

The Slingshot Real-Time Data Engine is a cost-saving and effective solution with many applications

The Real-Time Data Engine is a cost-saving and effective solution with many applications:

- Deployed as an internal electronic 'whiteboard' to provide a dynamic, two-way mechanism for interested parties to access and contribute to the latest bids and offers for prices. It optimizes spreadsheets and reduces reliance on hardwired market data systems, at the same time providing full authentication and password verification and data security
- Deployed as a highly cost-effective solution to provide access to real-time market data. The Real-Time Engine Client allows massive amounts of streaming data to be managed by the spreadsheet, so this is a perfect solution for off-floor users who don't need a full-featured, high-end front office application to monitor real-time market data
- Deployed as a solution to distribute a wide variety of streaming data, the underlying Slingshot and InVision protocols and the related Swissrisk real-time market data platform offer various API's, which support integration into other areas where updated streaming data must be distributed

With the Real-Time Data Engine for StarOffice / OpenOffice, on-floor as well as off-floor users are able to capture pricing using proprietary and personal spreadsheets. These prices can be securely and reliably stored within the Real-Time Data Storage module (RDS) and disseminated over an internal market data platform (for example Reuters RMDS), externally to market data vendors, or over the internet using Slingshot pages, resulting in a variety of benefits:

- Profitability improvement
- Faster dissemination to data customers
- Potential to create new revenues – for example data sales
- Business risk reduction
- Audit trail for pricing
- Error reduction and sanity checking– for example in open outcry
- New value from existing technology investment
- Use of the industry standard interface – Microsoft Excel
- Interfacing with market data platforms to integrate with other data sources

FX USD Rates			Calculated FX Euro Cross Rates			
VWD RIC	Bid / Geld		Calculated Bid / Geld	RDS RIC	Insert Status	Contributed Value
EUR.FX	1.2163		-	-	-	-
GBP.FX	1.8182		0.6690	EUR-GBP	InsertOk	0.6690
CHF.FX	1.2569		1.5288	EUR-CHF	InsertOk	1.5288
JPY.FX	108.4300		131.9564	EUR-JPY	InsertOk	131.8712
AUD.FX	0.6962		1.7471	EUR-AUD	InsertOk	1.7471

Time Zones			Calculated Local Time			
Time Zone	Time Difference to GMT		Calculated Local Time	RDS RIC Name	Insert Status	Contributed Time
New York	-5		09:07	Time.NewYork	InsertOk	09:07
G.M.T.	0		14:07	Time.GMT	InsertOk	14:07
Paris (CLOCK.WVD)	1		15:07	Time.Paris	InsertOk	15:07
Singapore	8		22:07	Time.Singapore	InsertOk	22:07
Tokyo	9		23:07	Time.Tokyo	InsertOk	23:07

“Everyone knows how to use a spreadsheet. We are providing a further enabler, without a huge capital investment in technology or resource training.”

Andreas Wagner, Vice President, Swissrisk AG

Client features include:

- Clear user interface – just choose your data service, financial instrument and field ID – and insert into a cell
- Table builder wizard included to allow quick and easy build up of complex financial spreadsheets
- Full firewall compatibility – intelligent data streaming means Slingshot works anywhere – even at home
- Full hot stand-by facility – and optional automatic load balancing

Integration includes:

- Slingshot compatibility with all standard market data distribution systems
- Full Authentication – data can be protected using internal and external user/ password verification
- Full Data Security – Slingshot can use SSL encryption – meaning client and server side certificates can optionally be required to verify both users and connection point

For more information, please visit:
www.swissrisk.com