

GEOS: STP in the international securities back office Product information

GEOS is an integrated online system for high-performance Straight Through Processing (STP) of securities and derivatives transactions in real time. GEOS is especially focussed on international and cross-border securities processing and supports standard workflows in the front, middle and back office.

GEOS was awarded the Banking Technology STP Award and the SWIFTReady Gold Label certificate for the successful implementation of the STP principle and for online integration with international communication networks.

GEOS has always been designed to handle several countries, so can be easily adapted to the relevant situation in new countries.

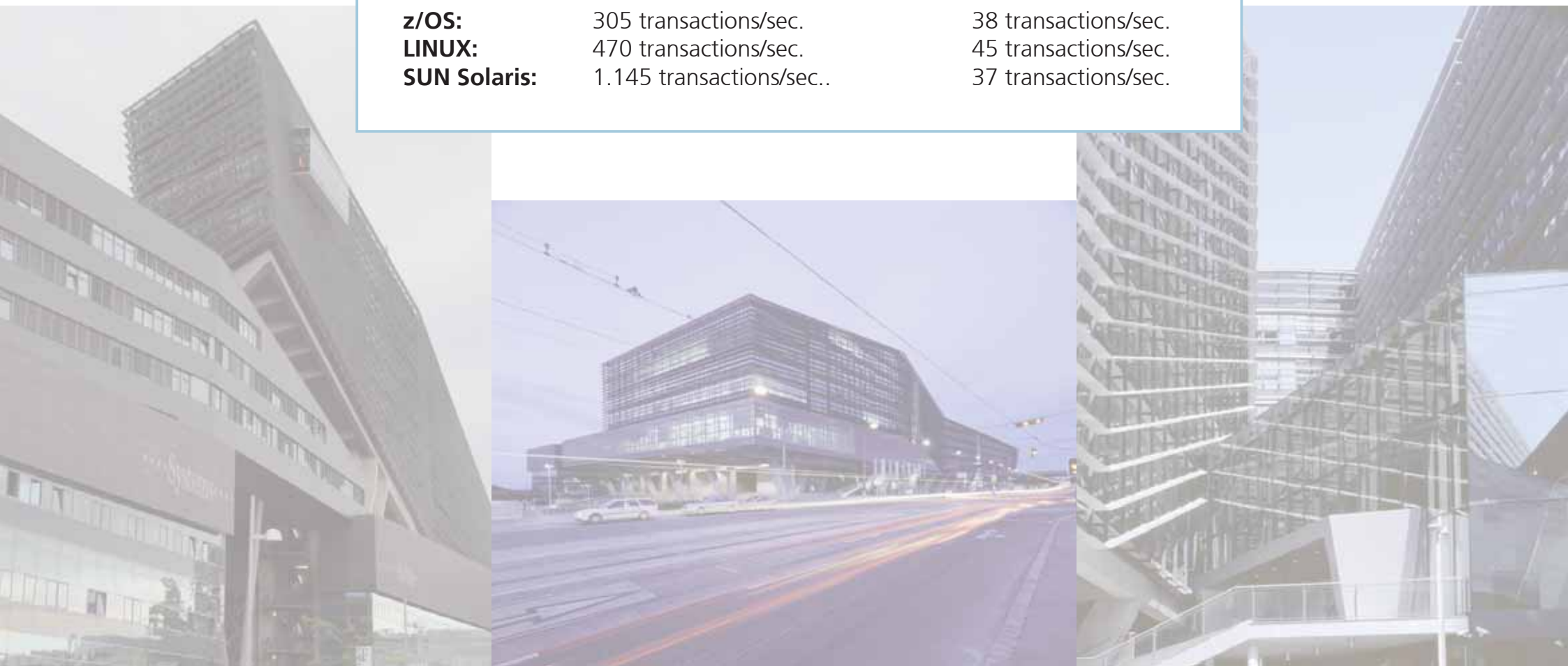
GEOS covers the requirements for productive deployment of various countries and also for cross-border operation for multinational banks, such as the Anglo Irish Bank in Ireland and Austria.

GEOS has already been in use in Germany, Ireland, Austria and Switzerland for at least four years. Further internationalisation system enhancements for UK are being con-

tinually developed. Apart from German and English, the GEOS dialogs are also available in French and Italian.

The performance values of GEOS, which are represented as follows, are also to be highlighted:

	General queries	New order
z/OS:	305 transactions/sec.	38 transactions/sec.
LINUX:	470 transactions/sec.	45 transactions/sec.
SUN Solaris:	1.145 transactions/sec..	37 transactions/sec.



International GEOS Position Keeping

GEOS covers all aspects of securities account management and supports the fully automated management of customer and custodian securities accounts in real time.

A high level of scalability allows GEOS to be implemented cost-effectively by private banks as well as large European banks managing several million securities accounts.

Target date-oriented online position keeping in GEOS ensures highest currency of securities, commodities and derivatives. During real-time certificate posting all bank-specific and revision-related requirements, including comprehensive history management, are taken into account.

GEOS supports central, company-wide real-time position keeping which is not only available for all GEOS components at any

time, but also for front-end systems linked via interface and therefore also for the management of mirror holdings.

All GEOS components access position management which disposes of the most current holdings information, such as the reporting of available unit balances retrieved online or the query of a collateral value of the securities account in real time.

GEOS V2007/34/40200

Objects Functions Go to Print Tools System Window Help

Position Overview - As of trade date 27.9.2007 John Q. Public

Sec. A/C: 130/41-9971.20 Portfolio Instrument Security DE0007236101

Trade date: 27.9.2007

Consideration long Collateral value

Consideration short

Instrument	Short name	Quantity	Unit	Particulars	Custody type	Loco	Position ca
DE0007236101	SIEMENS AG NA	770	Units		CC		Customer
US0008626170	IBM \$ 1,25	480	Units		SA	Berlin	Customer
XS0203328082	FRN DUBAI GLOBAL SUKUK	5.000	USD		CC		Customer

Example: Details of GEOS Position Keeping (I)

Value date-oriented display

Positions can be displayed according to the different target date types required by the user, such as trade date, OS date, accounting calculation date, journal or posting date, delivery date and booking date.

The positions query is currently possible for a current, former or future target date to be selected.

Flexible dialog layout

Within a dialog both inquiries, by securities account number and by financial instrument, are supported.

The sequence of the displayed information can be adjusted by each individual GEOS user according to the requirements.

The information on valuations, book cost, realised and unrealised profit and loss etc. can be displayed or hidden.

Display of criteria for the breakdown of positions

Due to legal and physical differences individual positions are created in consideration of various criteria so that various positions can be displayed per securities account and financial instrument.

Compressed and decompressed display

Positions for the same instrument can be compressed independently of position-splitting criteria, i.e. they can be displayed as if it were the only position per financial instrument and securities account.

العناصر العمليات الذهاب إلى طباعة الإضافيات المنظومة النوافذ تعليمات

نظرة عامة عن الرصيد - إعتباراً من يوم 27.9.2007 الطاهر رشيد

حساب الإستثمار 130/41-9971.20

ورقة مالية ورقة مالية

سلة مشتق منتج سعر الفائدة ورقة مالية

يوم التداول 27.9.2007

الموجودات الإيجابية
الموجودات السلبية

الموقع	نوع الحافظ	خصائص	الوحدة	كمية الصفقة	إسم الأداة المختصر	الأداة المالية
	جماعية		وحدة	770	اسهم شركة سيمنس العادية SIEMENS	DE0007236101
برلين	أمين		وحدة	480	اسهم شركة اي. ب. م. العادية IBM	US0008626170
	جماعية		USD	5.000	FRN صكوك دبي العالمية ش م ح	X50203328082

Example: Details of GEOS Position Keeping (II)

Securities lending position

A special form of display for claims and liabilities resulting from repo and lending transactions.

Current valuation

The current valuation is performed in the form of securities and FX rates by indicating the valuation exchange, the prices and the price date.

Collateral value

The collateral value is calculated per position and for the entire securities account via client institution-specific rules which can be defined in detail.

Acquisition price

Automatic management of the book cost, including and excluding any additional costs in different currencies, also by taking into account corporate actions.

Profit and loss overview

Realised and unrealised profits and losses are displayed and can be shown on the securities account statement from the beginning of the year or from the position creation date onwards. To create tax-related documents GEOS manages separate tax holdings.

Transactions and history

The creation and change of positions is performed exclusively via transactions and ensures seamless and comprehensible history via former posting processes.

GEOS V2007/34/40200

Ana objeler İşlemler Git Yazıcı Ekstralar Sistem Pencere Yardım

Varlık listesi - İşlem tarihi 26.9.2007 Derya Kocer

Yatırım hesabı 000/09-1275.54 Portföy Yatırım aracı Hisse senedi TRATUPRS91E8

İşlem tarihi 26.9.2007

Menkul kıymet 259.762,96 EUR Teminat değeri 25.976,30 EUR

Açığa satış değeri

#	Yatırım aracı	Menkul kıymetin ismi	Miktar	Birim	Saklama şekli	Saklanan yer
1	DE0007100000	DAIMLERCHRYSLER AG NA O.N	4.000	Adet	Grup	
1	DE0007236101	SIEMENS AG NA	900	Adet	Grup	
2	TRATUPRS91E8	TUPRAS TURKIYE P.R. TN 1	11.500	Adet		
1/2	TRATUPRS91E8	TUPRAS TURKIYE P.R. TN 1	5.500	Adet	HSH	Berlin