

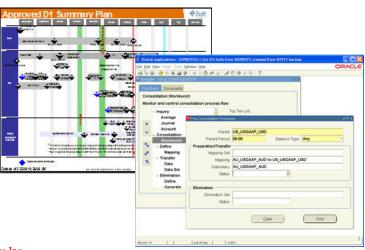


Architecting General Ledger for Global Implementation in Sun Microsystems

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Sun Microsystems Inc.

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Agenda

- Intro Sun Microsystems
- The First Big Bang Global GL
- Planning and Requirements
- The Legacy Pains
- 11i GL Hidden Treasures
- The Building Blocks
- Shared Services
- The Month End Financial Close
- The Big Five's
- Q & A









Sun Microsystems Inc

- Head Office in US
- Innovator of technologies that powers the internet
- Selling IT hardware, software and services
- Doing business in over 100 countries via local Sun's owned entities and partners channels
- Fiscal 2007 revenue ~ USD13.8 billion
- Business activities including sales, services, manufacturing, partners management, logistics, corporate functions











The First Big Bang - Global 11i GL

As part of Sun's global implementation of Oracle 11i (codename IBIS**), the roll out of Oracle General Ledger global implementation occurred in August 2007 covering 58 legal entities with 140 GL books worldwide. The application was diligently architected with the objectives to transform the company's finance organization into a shared service centric structure, ensure corporate accounting standards where met, while continuing to comply with US corporate GAAP and local country GAAP requirements, and meet a tightly knit global month end close schedule.



IBIS** stands for Integrated Business Information Solution

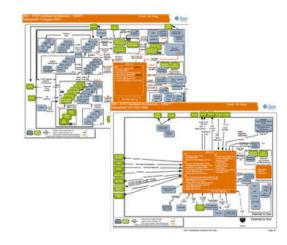






Planning

- Single global instance of Oracle 11i applications
- Phased implementation by modules where GL goes first
- Multi-org design upfront to enable the end state
- Enabling the transition of over 800+ legacy applications to 11i by phases







GL Requirements

- Meet US corporate GAAP and local countries GAAP
- Multi-currencies
- Multi-languages
- Audit and SOX control compliance
- Data conversion to enable continuity of financial reporting
- All countries at once
- 14 month implementation timeline





The Legacy Pains

- Multiple legacy Oracle instances
- PC local finance software to meet local countries GAAP requirements
- Multiple charts of accounts
- Custom applications to handle consolidation and elimination
- Too many custom codes and process to maintain, support and understand







Oracle 11i GL Hidden Treasures

- Flexibility in defining charts of accounts
- Multiple Reporting Currency (MRC)
- Global Intercompany System (GIS)
- Journal Approval / AutoPosting
- GL_INTERFACE table
- Security rules
- Consolidation / Eliminations
- Translation / Revaluation







The Building Blocks





Design: Multi-Org Foundation

Each Company → 1 SOB → 1 LE → 1 OU → 1 Inventory



Business Group – (1) Single Global Group

-Americas

SOB:

US & Consolidation = 1

Subsidiary = 18

Sub Local GAAP = 7

Other = 14

Legal Entity = 8

Operating Units = 8

OE, AR, PA, PO, AP

Inventory Orgs:

Inventory = 1 Master 2-3 other

Spares = 8

EMEA

SOB:

Subsidiary = 49

Sub Local GAAP = 9

Other = 0

Legal Entity = 38

Operating Units = 38 OE, AR, PA, PO, AP

Inventory Orgs:

Inventory = 2 Spares = 38

APAC



Subsidiary = 37

Sub Local GAAP = 8

Other = 7

Legal Entity = 12

Operating Units = 12 OE, AR, PA, PO, AP

Inventory Orgs:

Spares = 12



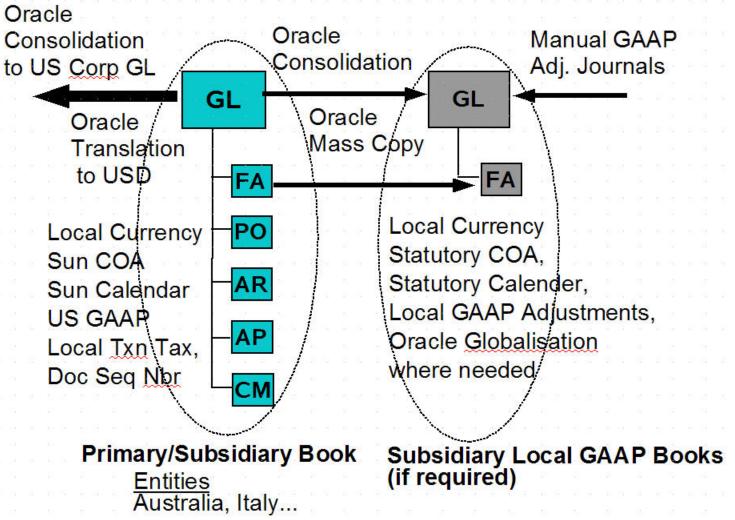


Design: Multi-GAAP Compliance Models





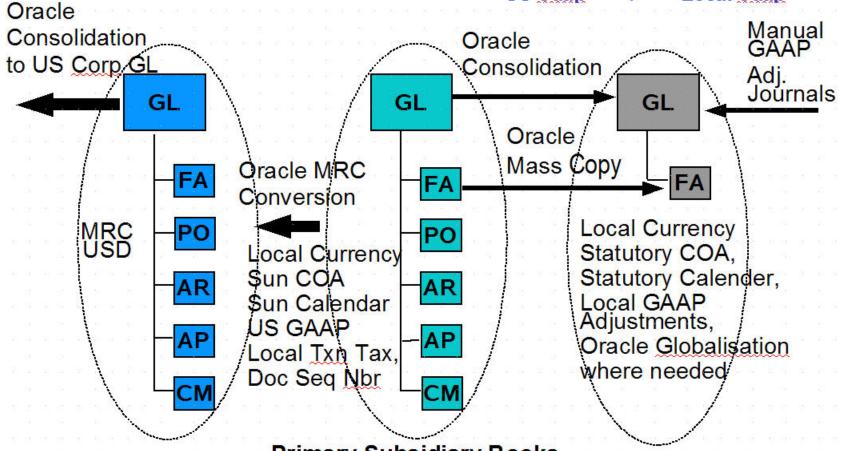
MGCM1 (G1) - Subsidiary - Buy-Sell, Local Currency / Local Currency US Gaap / Local Gaap







MGCM2 (G2) - Subsidiary - Buy-Sell, USD Currency / Local Currency US Gaap / Local Gaap



Primary Subsidiary Books

MRC Subsidiary Books

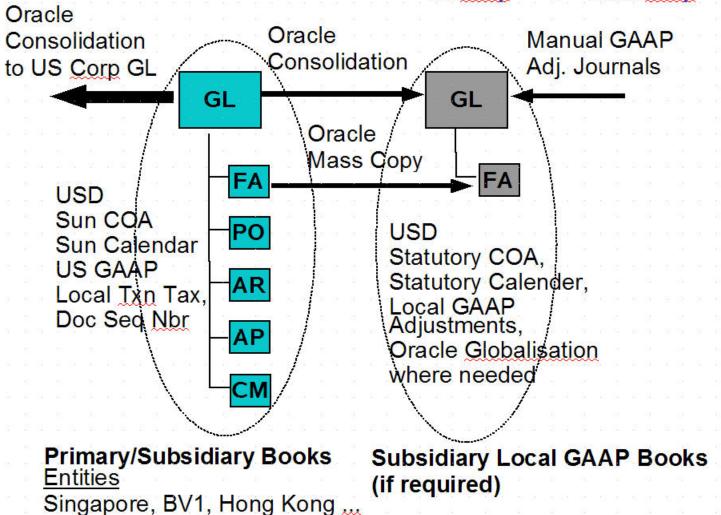
Entities India, Mexico...

Subsidiary Local GAAP Books (if required)





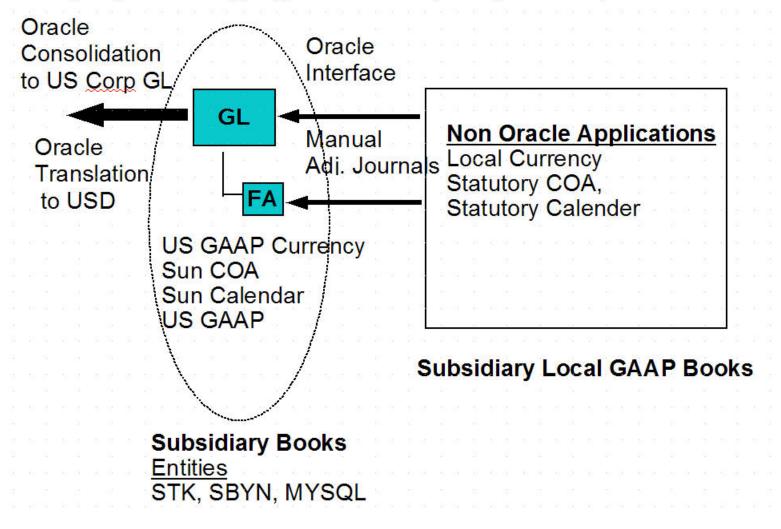
MGCM3 (G3) - Subsidiary – Buy/Sell, USD Currency / USD Currency US Gaap / Local Gaap







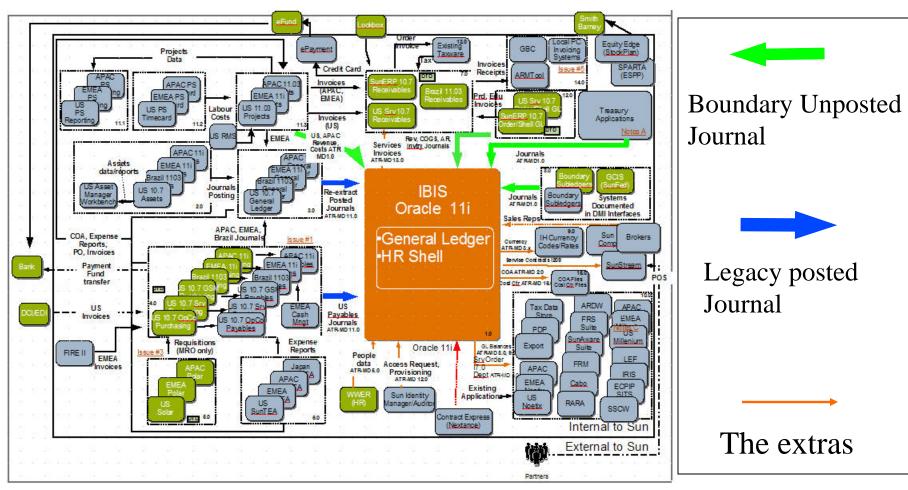
MGCM4 (G4) – Emerging Countries, Acquisition, Shell Entities







Design: GL Transition Model







Design: GL Charts of Accounts

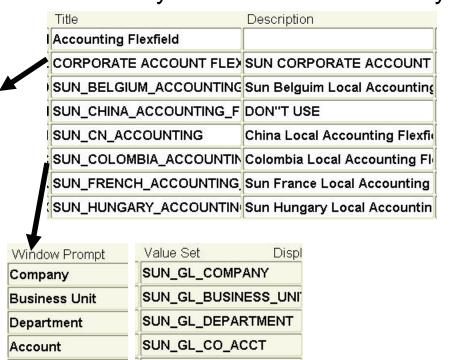
Global corporate chart of accounts for corporate and subsidiary GL books

Local GAAP charts of accounts for subsidiary local GAAP books

Use Oracle consolidation from subsidiary GL books to subsidiary local

GAAP books

Window Prompt	Value Set	Displa	
Company	SUN_GL_COMP	YANY	
Business Unit	SUN_GL_BUSIN	IESS_UNI	
Department	SUN_GL_DEPA	RTMENT	
Account	SUN_GL_ACCO	UNT	
SubDetail	SUN_GL_SUBDETAIL		
Intercompany	SUN_GL_INTERCOMPAN		
Management Company	SUN_GL_MANA	GEMENT_	
Product	SUN_GL_PROD	UCT	
Project	SUN_GL_PROJ	ECT	
Market Channel	SUN_GL_MARK	ET_CHAN	

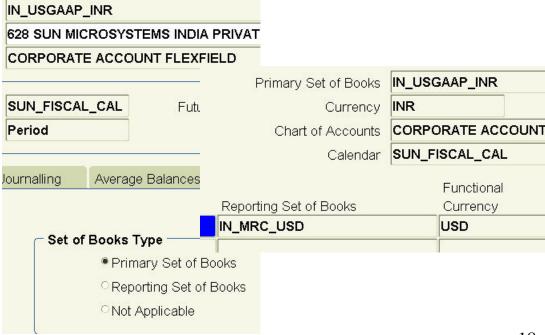






Design: Functional Currency

- GAAP, operations, economic factors and exchange rates drive functional currency determination
- Corporate GAAP functional currency for a subsidiary may be different from local GAAP functional currency
- Oracle MRC meets both needs
- Oracle currency
 Translation and
 Revaluation are used for consolidation,
 reporting and remeasurement







Design: Calendars

Corporate calendar for corporate and subsidiary GAAP books

Local calendar for subsidiary local GAAP books where needed

SUN_IN_FISCAL

Oracle consolidation allows mapping even with different

calendars

SUN_FISCAL_CAL					
Sun Fiscal	Cal	endar	(July through Ju	ine)	
Quar	ter				
Year		Num	From	То	Name
2008	1	1	01-JUL-2007	03-AUG-2007	01-08
2008	1	2	04-AUG-2007	31-AUG-2007	02-08
2008	1	3	01-SEP-2007	30-SEP-2007	03-08
2008	2	4	01-OCT-2007	02-NOV-2007	04-08
2008	2	5	03-NOV-2007	30-NOV-2007	05-08
2008	2	6	01-DEC-2007	30-DEC-2007	06-08

India Local Book Fiscal Calendar with an Adjustment Perio							
G	ıuar	ter					
Ye	ar		Num	From	То	Name	
20	08	1	1	02-APR-2007	04-MAY-2007	01-08	
20	08	1	2	05-MAY-2007	01~JUN-2007	02-08	
20	08	1	3	02~JUN-2007	30-JUN-2007	03-08	
20	08	1	3	02-JUN-2007	30-JUN-2007	0:	

SUN_LA_FISCAL							
Latin Amer	ica	Local E	Book Fiscal Cale	ndar with an Adjus	tn		
Quar	ter						
Year		Num	From	То	Name		
2007	1	1	01-JAN-2007	31-JAN-2007	01-07		
2007	1	2	01-FEB-2007	28-FEB-2007	02-07		
2007	1	3	01-MAR-2007	31-MAR-2007	03-07		





Design: GL Data Conversion

- Converted 12 months (last fiscal year) of GL balances from legacy corporate, subsidiary and local GAAP GL books
- Each entered currency were converted individually
- Translated currency were recreated after data conversion
- Converted detail journals for subsidiary local GAAP books for current local GAAP fiscal year
- Data was brought from legacy systems to new 11i books via GL_INTERFACE table

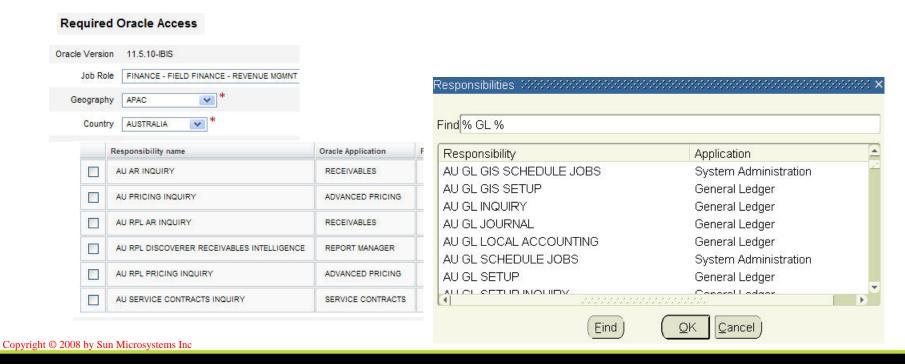






Design: Access Request and Segregation of Duties

- Access requests are submitted via Sun identity management online form
- Segregation of duties (SOD) violation are checked against pre-defined responsibilities structure and rule sets
- Direct manager and gatekeeper to approve request
- Periodic SOD checks are performed









Design: The Controls

Security Rules

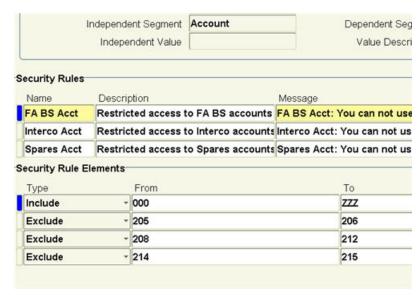
- Impose on COA segment values
- Prevent manual journals from posting to control accounts, Intercompany etc.

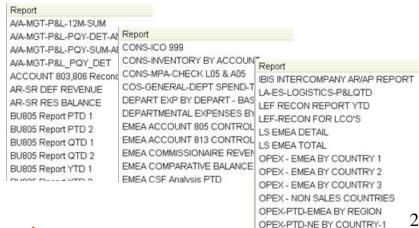
Cross Validation Rules

Keep accounts clean

FSG reports

- Centrally created and maintained
- Control total on each report
- 250+ reports
- Generic row sets and column sets for ad hoc reports





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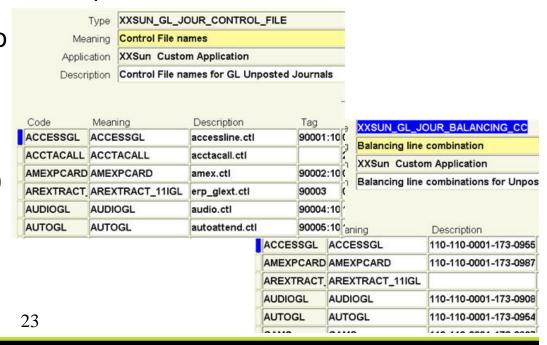






Design: The Journal Entry

- Journal approval
 - Approval required for manual journals according to threshold amount
 - Hierarchical approvers by authorization limits
- GIS (Intercompany) approval
 - Both sender and receiver approval required
- Developed flexi-extension to import journal from boundary systems
- AutoPost
 - Scheduled to run every 30 mins for subledger journals posting







Design: The Extras

Languages

- 13 full language packs (reports, forms and TL tables)
- 7 partial language packs (TL tables)
- Database is UTF8 which allows data input of all languages

会計フレックスフィールド	拍選
 ソース カテゴリ 名称	摘要
645-431-0001-116-9984-999-	645-9999-9999999-99
02-08	
02-08	

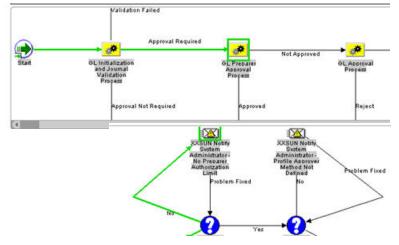
· TPY

Company: 645 Japan

Workflow Inquiry

Available in GL inquiry responsibilities

Select		Status	Activity	Parent Activity
0	0	Notified	XXSUN Notify System Administrator - No Preparer Authorization Limit	GL Preparer Approval Process
	/	CONTRACTOR OF STREET	XXSUN Is Preparer Authorization Limit Set	GL Preparer Approval Process
	V	Complete	XXSUN Is Operational Hierarchy Defined?	GL Preparer Approval Process
	/	Complete	<u>Start</u>	GL Preparer Approval Process
0	~	Active	GL Preparer Approval Process	GL Journal Approval Process









Design: The Extras ... /cont

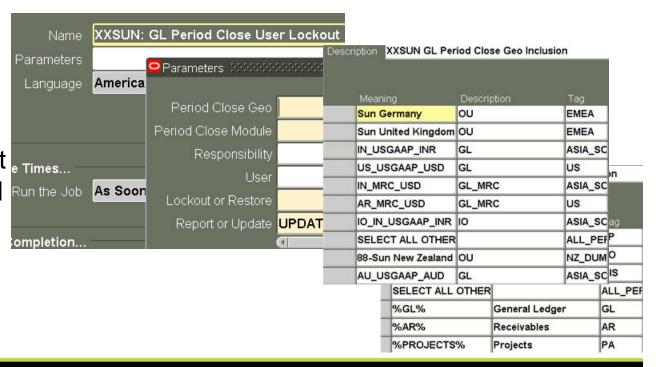
Exchange Rates

 Developed extension to populate daily cross rates and period end rate for 80+ currencies

From	To	Date	Type	AED To BRL
AED	- BRL	31-JUL-2007	Spot	.5231632111
AED	BWP	31~JUL-2007	Spot	.0438896225
AED	CAD	31~JUL-2007	Spot	.2890883102
AED	CHF	31~JUL-2007	Spot	.3346175313
AED	CLP	31~JUL-2007	Spot	143.6223956873
AED	CNY	31~JUL-2007	Spot	2.0740841581
AED	COP	31-JUL-2007	Spot	536.1504009148
AED	CVE	31-JUL-2007	Spot	22.292742693

Month End Restricted Access

Developed an extension to lockout users from selected responsibilities during month end close

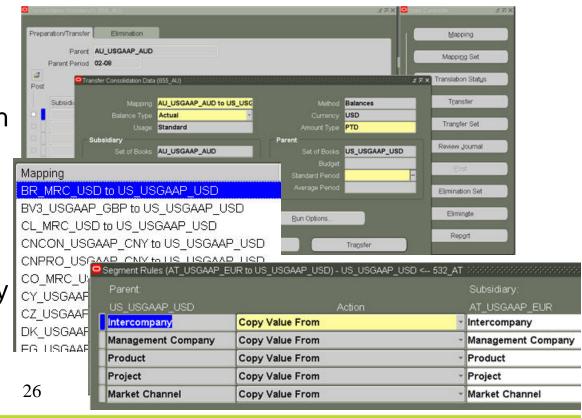






Design: Month End Close

- Step 1 : Subledger Close Transfer journals to GL
- Step 2: Intercompany, cash, revenue, accrual, reserve posting
- Step 3 : Consolidation
 - Execute using Oracle consolidation workbench
 - Subsidiary GL books consolidate to corporate GL books
 - Subsidiary GL books consolidate to subsidiary local GAAP books

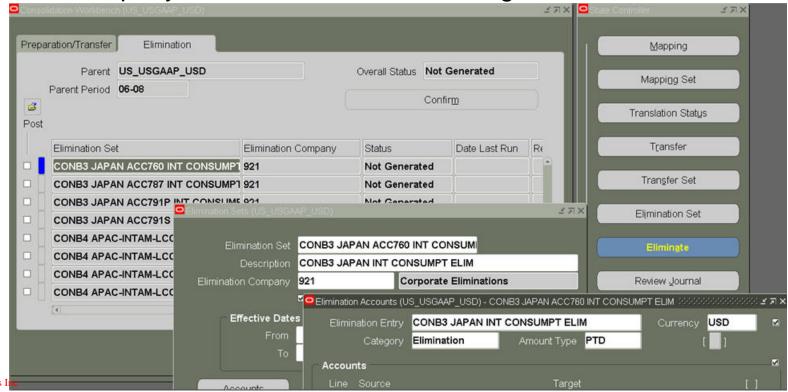






Design: Month End Close/cont

- Step 4 : Elimination
 - 600+ elimination sets for interco profit, AP/AR
- Step 5: Reconciliation using FSG reports
 - Shows intercompany balances and retain earnings across all books









Shared Services

Global Accounting Team

- Ownership of the General Ledger for each subsidiary
- Accounting for Intercompany, Treasury, Tax and consolidation to corp

Finance Consolidation Team

- Perform consolidation and elimination monthly process
- Prepare corp financial statements and external reports (10Q, 10K...)

Finance Application Management Team

- Maintenance of seed data in GL (COA values, cross validation rules, security rules...)
- Support all boundary systems interface to GL
- Gatekeeper for open/close GL periods

IT Support Team

Resolve system issues







The Big Five's





Top Five Guiding Principles

- Challenge old assumptions
- Bias towards vanilla 11i
- One problem, one answer
- Keep it simple
- Requirements not preferences







Top Five Things to Know

- Once setup, you can't change it
- You will discover new old things
- Spend time to try out everything
- Use automated tool for system setup
- Develop reconciliation tool for data conversion







Q & A

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