



JD Edwards Practice

July 2009



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About iPractice LLC

iPractice LLC is a software services company providing services in Microsoft technologies and products. iPractice LLC is registered in Delaware with offices in New Jersey and an offshore development center in Mumbai, India. iPractice LLC has a Microsoft Dynamics practice which spans the complete e-solutions spectrum from providing technology consulting and solutions implementation services and has delivered a wide range of Enterprise solution, ERP, and Integration solutions to International and Domestic SSM Industries.

iPractice is focused on Small and Medium sized industries providing them services to increase the ROI of their enterprise applications. iPractice provides cost effective services which significantly reduces the Total Cost Of Ownership (TCO) of enterprise software. The flexible business models gives small medium sized businesses the flexibility to spend on software support and maintenance cost only when they need it and invest their valuable resources on their core business.

iPractice LLC has significant experience in manufacturing industry, and necessary business process and technical expertise to deliver end-to-end ERP solution through its development center in Mumbai, India and local support offices in USA.

In order to assist in successful deployment of the proposed ERP solution, IPactice LLC brings

- Right people – Our consultants have considerable experience in J D Edwards implementation and have sound domain experience in Finance, and Manufacturing business processes
- Effective Implementation Methodology – We use proven methodology and processes to rapidly deploy the solution to your organization.
- Competitive pricing
- iPractice LLC — Our process driven methodology ensures quality of deliverables and service.

We are a Technology company with a belief: Its people who make things happen.

Our Vision is “partnering” with clients to deliver value. We are, therefore, willing to go the “long haul” with them...

Our Strength: Our People

Our consultants have worked for the world’s largest and well known Consulting companies.

We believe in today’s information age organizations have ample sources of data and information witing to be converted into Knowledge, Intelligence and Insight about Business, People and Processes.

We work with our customers and are committed to help them achieve superior performance in their business operations.

We believe in creating superior performance for our clients by

1. Leveraging their Human and Intellectual Capital.
2. Exploiting their Digital and Information Assets.



We are currently 120 people and growing.

J.D Edwards Practice

Powering EnterpriseOne and WorldSoft

- We offer a wide gamut of services to serve JDE customers globally.
- We have rich pool of 40 JD Edwards Consultants with experiential learning acquired over the years in Implementation, Support, Upgrade or global rollout.
- We have a multi-year long-term engagement with a global customer for supporting their Enterprise One and World Soft.

Competencies

- A large pool of Functional and Technical Consultants
- Center of Excellence with state-of-the-art infrastructure with the latest JD Edwards applications and several simulated environments to train Consultants extensively
- A detailed implementation process methodology reinforced with our experience across diverse engagements
- Strong Project Management and Risk Management capabilities focusing on an assurance-based deployment approach
- World-class offshore facilities providing you with substantial savings on cost and time

Experience	Services Offered
<ul style="list-style-type: none"> ▪ Experience across multiple versions of products - EnterpriseOne / WorldSoft ▪ Implementations as well as roll-outs across geographies ▪ Application, Support and Upgrade experience in EnterpriseOne and WorldSoft applications including - Versions - A6.2, A7.1, A7.3 & EO-B7331, B7332 , B7333, B7334 & EO 8.9, 8.10.8.11 ,8.12 and 2009 ▪ Experience in integration of JDE with DSI ▪ Complex JDE development projects delivered through onsite-offshore model ▪ Multi-year engagements with global customer ▪ Rich experience in J D Edwards administration 	<ul style="list-style-type: none"> ▪ Implementation & Rollout: End-to-end Full Life-Cycle implementation, Regional & Global Rollout ▪ Upgrade: Version upgrade and Platform Migration ▪ Support: Maintenance and Production Support, including Helpdesk operations ▪ Admin Services: Application and Database administration services ▪ Development & Customization: Application development and customization, including bolt-on Module Development, Enhancements, Reports and Interfaces ▪ Integration and Testing Services ▪ JD Edwards Enterprise One operations (CNC) functions including performance monitoring and tuning, package build/deployment, and troubleshooting



iSeries practice

iSeries Competencies

- Maintain the IBM AS/400s PTFs up to date given by the Vendor.
- Review the Security reports periodically and follow established procedures.
- Responsible for the Daily and Monthly AS/400 Backup procedures
- Responsible for the archival of all AS/400 backup media.
- Interact with the rest of the IS personnel in areas related to the overall performance of the AS/400s.
- Provides daily administration of AS/400 system functions.
- Interacts with other MIS staff to ensure daily operational needs are met.
- Document and maintains policies and procedures related to AS/400 systems administration.
- Monitors system performance on a daily basis.
- Facilitates all security functions for the AS/400 such as Account creation and administration.
- Maintain Disaster Recovery plan.
- Support communications configurations.
- Diagnose/resolve OS related problems.
- Daily AS/400 Server Health checks report.
- Ensure that all changes and projects are routed through the channels defined and have the necessary approvals, for detailed analysis and Implementations.
- Analyze and document all changes as required.

AS400 – RPG, RPGILE (INTEGRATED LANGUAGE ENVIRONMENT), COBOL/400, CL (CONTROL LANGUAGE), DB2/400 – DATABASE ADMINISTRATION, SQL/.400

- Maintenance/support of in-house developed RPG ,COBOL,CL applications.
- New application development using RPG, COBOL, CL.
- Reverse engineering of RPG, COBOL code to write specs.

MIGRATION PROJECTS AS400-4GL(JAVA,.NET)

- RPG, COBOL to 4GL/new technology migration like JAVA, .NET ,ASP
- Technical documentation (TD) for AS/400 based system to ease the migration on 4GL environment.
- Database migration from DB2/400 to new database like MS-ACCESS, MSSQL-2000,2005 etc.

CODE OPTIMIZATION /PERFORMANCE TUNING

- Study the existing AS400 based application.
- Suggest the enhancements required at database level , program level.
- Fine tuning at System level.

ERP Systems on AS/400 (iSeries) : Support on ERP Systems BPCS, MAPICS, J D Edwards



COGNOS Practice

Serving COGNOS customers globally

- The rich pool of Consultants with experiential learning acquired over the years in Implementation, Support, and Upgrade.
- We have a multi-year long-term engagement with a global customer for supporting their Cognos BI 8, COGNOS BI 7 Series and managing the transition to Report NET.

Competencies

- A large pool of Functional and Technical Consultants
- Center of Excellence with state-of-the-art infrastructure with the latest Cognos applications and several simulated environments to train Consultants extensively
- A detailed implementation process methodology reinforced with our experience across diverse engagements
- Strong Project Management and Risk Management capabilities focusing on an assurance-based deployment approach
- World-class offshore facilities providing you with substantial savings on cost and time

Experience	Services Offered
<ul style="list-style-type: none"> ▪ Our Consultants have experience across multiple products – Impromptu, Power Play, Planning, Visualizer, Report Net ▪ Implementations as well as roll-outs across geographies ▪ Application, Support and Upgrade experience ▪ Experience in integration of JDE with Cognos. ▪ Complex Cognos report development delivered through onsite-offshore model ▪ Multi-year engagements with global customer ▪ Rich experience in administration 	<ul style="list-style-type: none"> ▪ Implementation & Rollout: End-to-end Full Life-Cycle implementation, Regional & Global Rollout ▪ Upgrade: Version upgrade and Platform Migration ▪ Support: Maintenance and Production Support, including Helpdesk operations ▪ Admin Services: Reports and Access administration services ▪ Development & Customization: Application development and customization. ▪ Integration and Testing Services

CASE STUDY 1

**Implementation of J D Edwards, Cognos and DSI Bar
Code in Manufacturing Industry**

Rosy Blue

Rosy Blue (www.rosyblue.com) is one of the largest diamond and jewellery manufacturing companies in the world. Turnover of about USD 2 billion with operations covering:

1. Diamond trading
2. Certified diamond trading
3. Diamond manufacturing
4. Jewellery manufacturing
5. Jewellery retail

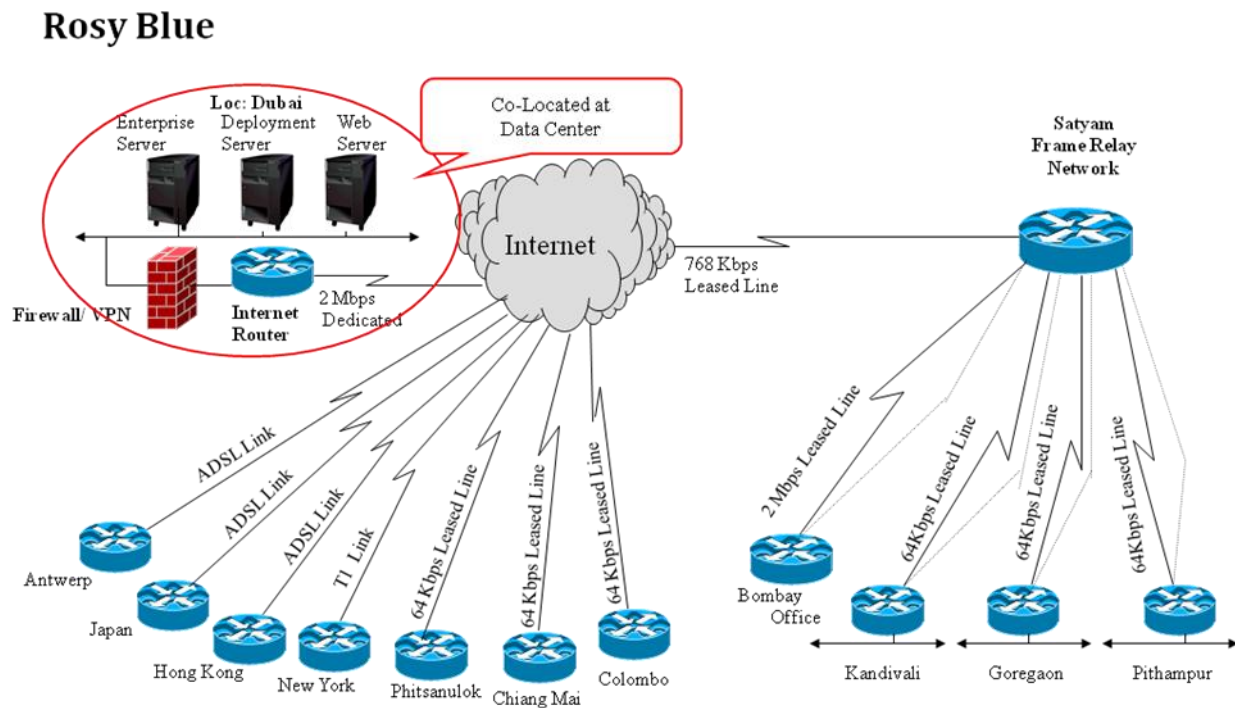
Scope of assignment

Developing IT Strategy
network

Selecting ERP software

Implementing ERP Software

Designing IT



- ■ Disaster Recovery server with periodic synchronization

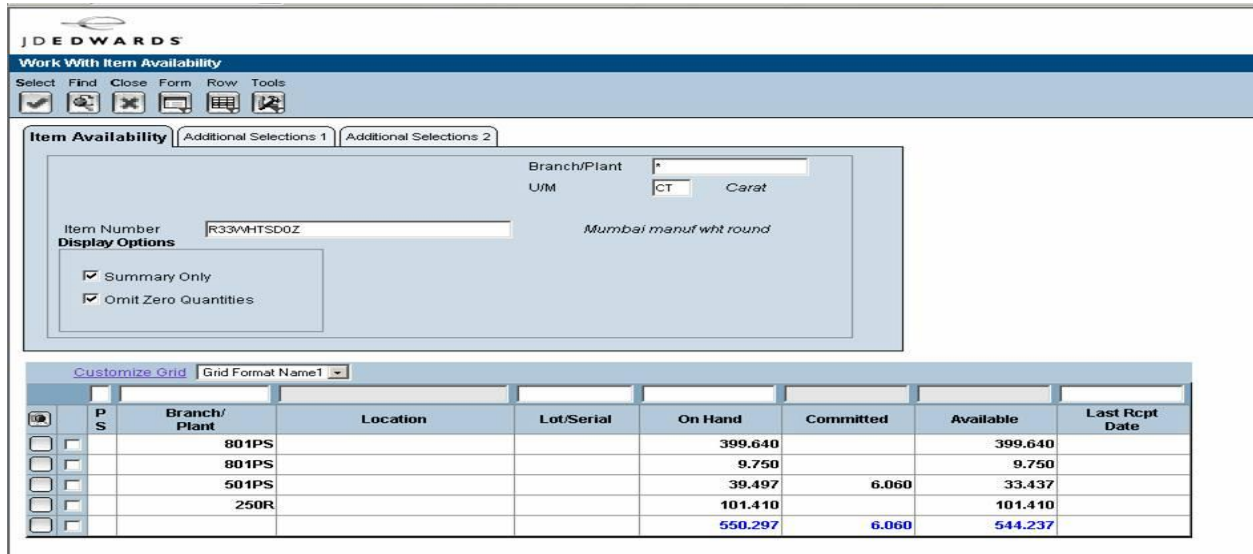
Benefit Achieved

Operational Benefits Achieved	User Perspective
<ul style="list-style-type: none"> ▪ Improved inventory management <ul style="list-style-type: none"> ● Worldwide inventory visibility and sharing ● Minimized inventory holding ● Inventory analysis for moving/non-moving segments ▪ Better credit management <ul style="list-style-type: none"> ● Monitoring of consolidated customer credit limits ● Better manage exposure to countries and large customers ▪ Improved customer service <ul style="list-style-type: none"> ● Track customer purchase trends ● Identify usual customer requirements regardless of location ● Manage sales across different customer segments ▪ Manufacturing improvement <ul style="list-style-type: none"> ● Monitor and reduce manufacturing cycle times ● Compare yields across factories to improve overall efficiency ● Determine product mix based on yield expectation ▪ Tracking of diamonds, e.g. Forever-mark goods <ul style="list-style-type: none"> ● Track from rough until polished/jewellery process and customer ● Track customer off-take of specific diamonds ▪ Improve forecasting of sales <ul style="list-style-type: none"> ● Increase ability to forecast sales across product types ▪ Online Information of Inventory & Multidimensional inquiries ▪ Robust Costing system - \$ ▪ Tracking Value addition at each step in the Supply Chain ▪ Tracking Inventory Turns / Quality and Non moving stock ▪ Standardization of process across locations ▪ Robust Sales and Operational Planning system ▪ Control of Credit exposure ▪ Global consolidation of accounting ▪ Meet DTC process Audit requirements ▪ Executive Information System 	<ul style="list-style-type: none"> ● Ease of use ● Role & Responsibility Clarity ● Easy interface for data entry with Excel ● Information should be available easily ● Stock status should be seen on screen ● Interface with bar coding for data entry – Certificates / Parcel movements ● Flexibility to handle exceptions to Standard Business Process ● Avoid Duplicate Entries ● Availability of operational Reports from JDE

Examples of customization provided:

- **Diamond Inventory Tracking across Offices**

- The picture below shows an actual screen depicting stock across offices. In the example, when searching for -14+11.5 sieve size, round diamonds of white color and of SD quality (i.e. VVS – VS), it shows that 550 carats stock is available across Mumbai, Hong Kong and Tokyo offices, of which 6 carats is out on memo. For enabling this, a unique “item number” has been assigned to every type of diamond using an easy to understand nomenclature (more than 20,000 items have been created in the system)



The screenshot displays the 'Work With Item Availability' interface. The search criteria include Item Number 'R33WHTSD0Z' and a description 'Mumbai manuf wht round'. The 'Display Options' section has 'Summary Only' and 'Omit Zero Quantities' checked. Below the search form is a table with the following data:

	P	S	Branch/ Plant	Location	Lot/Serial	On Hand	Committed	Available	Last Rcpt Date
<input type="checkbox"/>			801PS			399.640		399.640	
<input type="checkbox"/>			801PS			9.750		9.750	
<input type="checkbox"/>			501PS			39.497	6.060	33.437	
<input type="checkbox"/>			250R			101.410		101.410	
<input type="checkbox"/>						550.297	6.060	544.237	

- **Packet Level management**

- It allows to manage Diamonds at the Packet level, so as to allow Worker productivity, packet level Yields, KP stones, Broken stones, etc....

Work With Lot Inquiry

Select Find Close Row Tools

Company: 00201 G/L Category: *

Business Unit: *

Location: * Omit Zeros

Customize Grid Grid Format Name1 Records 1 - 50

Main Lot	Lot Serial Number	2nd Item Number	Business Unit	Carats	Stones	Process	G/L Cat	Estimated Completion Date
F03621.04	F03621.04J108	R54FR0A01CC	EA1	0.690	1	BRU	MD	23/04/09
F03621.04	F03621.04J56	R54FR0A01CC	EA1	0.670	1	BRU	MD	23/04/09
F03621.04	F03621.04J27	R54OC1A01CC	EA1	0.710	1	BRU	MD	23/04/09
F03621.04	F03621.04J28	R54OC1A02CC	EA1	0.700	1	BRU	MD	23/04/09
F03621.04	F03621.04J32	R54WSWAEXCC	EA1	0.650	1	BRU	MD	23/04/09
F03621.04	F03621.04J62	R54WSWAEXCC	EA1	0.729	1	BRU	MD	23/04/09
F03621.04	F03621.04J33	R54WSWSDXCC	EA1	0.640	1	BRU	MD	23/04/09

Done Internet

▪ **Quality management of Packets**

- It allows to manage Quality of Diamonds at the Packet level so that the performance of the Final product can be estimated at every stage and also the Worker performance can be tracked.

Packet Level Inspection Details Entry

Cancel Tools

Business Unit: MLAS Sawing - Laser Packet No.: 922

Lot: 0138-N01-04 Rough Mix Colour clarity a... Pieces: 1

Worker: 162205 MR. PRANAI MOOMEUY Carats / Weight: 0.270

Checked By: 1000 RGM Date: 29/12/2006

Remark: Checked Pieces:

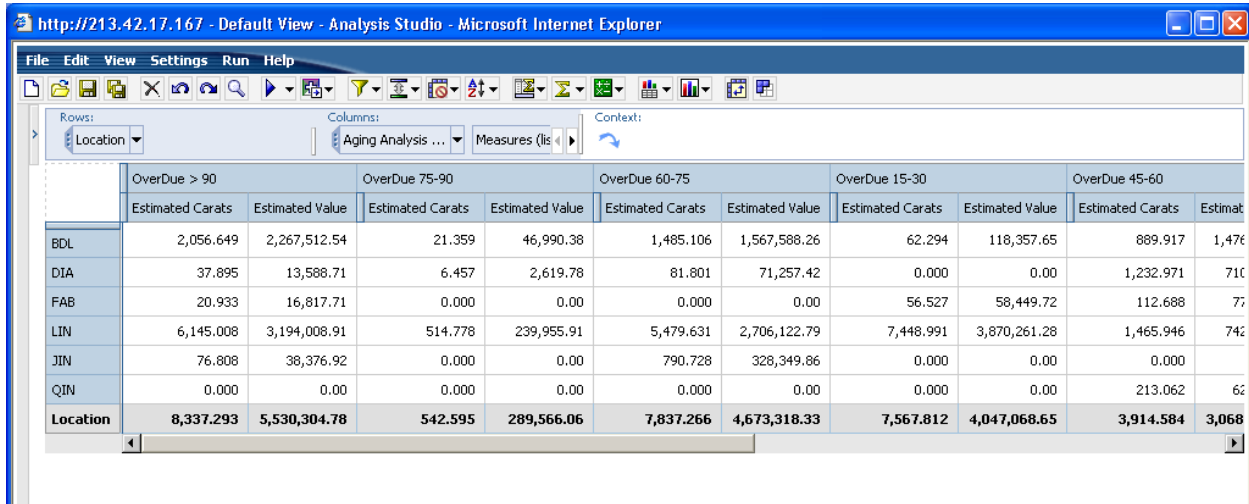
QC Status: ok Validations Checked Carats / Wt.:

Customize Grid Records 1 - 1

Parameter	Description	Pieces	Weight	Bruting Department	Line Number
TOK		10		201BRU	

MIS Developed in COGNOS using JD Edward Data

- **Manufacturing pipeline**
 - Displays the pipeline of rough under manufacturing WIP at various factories with the turnaround days



Location	OverDue > 90		OverDue 75-90		OverDue 60-75		OverDue 15-30		OverDue 45-60	
	Estimated Carats	Estimated Value	Estimated Carats	Estimated Value	Estimated Carats	Estimated Value	Estimated Carats	Estimated Value	Estimated Carats	Estimated Value
BDL	2,056.649	2,267,512.54	21.359	46,990.38	1,485.106	1,567,588.26	62.294	118,357.65	889.917	1,476.000
DIA	37.895	13,588.71	6.457	2,619.78	81.801	71,257.42	0.000	0.00	1,232.971	710.000
FAB	20.933	16,817.71	0.000	0.00	0.000	0.00	56.527	58,449.72	112.688	77.000
LIN	6,145.008	3,194,008.91	514.778	239,955.91	5,479.631	2,706,122.79	7,448.991	3,870,261.28	1,465.946	742.000
JIN	76.808	38,376.92	0.000	0.00	790.728	328,349.86	0.000	0.00	0.000	0.000
QIN	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	213.062	62.000
Location	8,337.293	5,530,304.78	542.595	289,566.06	7,837.266	4,673,318.33	7,567.812	4,047,068.65	3,914.584	3,068.000

- **Analysis of Manufacturing Outputs**
 - Analytics of Polished output based on Shape, Size, Colour, Clarity & make is directly available on multi-dimensional criteria.



Cognos PowerPlay Web Explorer

Inventory

Averaging Results Cube - Sunday, June 10, 2007 - 8:11:30 AM

2006 Company Shape Size Colour Clarity Cut Value

Value as values	(Blank)	C1 - D - G	C2 - H - I	C3 - J - L	C4 - M N O P	C5 - Color Brown	C6 - Fancy Colors	Colour
(Blank)	\$33,579,000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$33,579,000
S1 - Sieves +0.00 to -6.5	\$0.000	\$15,216,500.440	\$3,837,751.450	\$715,319.190	\$353,370.010	\$317,177.980	\$0.000	\$20,440,100.000
S2 - Sieves +6.5 to -11.5	\$0.000	\$25,021,459.740	\$8,326,908.260	\$1,636,588.070	\$676,046.990	\$726,301.940	\$0.000	\$36,387,300.000
S3 - Sieves +11.5 to -16	\$0.000	\$21,696,069.580	\$12,223,925.650	\$2,058,937.310	\$825,642.090	\$607,417.480	\$0.000	\$37,411,900.000
S4 - Sieves 1/5 to 3/8 (0.18 - 0.459)	\$0.000	\$28,226,974.940	\$14,020,927.490	\$9,648,701.550	\$1,582,685.830	\$2,959,334.860	\$12,135.000	\$56,450,700.000
S5 - Sieves 1/2 to 3/4 (0.46 - 0.99)	\$0.000	\$24,833,918.570	\$17,353,684.210	\$9,736,183.080	\$1,431,142.270	\$1,875,957.370	\$9,990.500	\$55,240,800.000
S6 - Carats +1.00 to	\$0.000	\$31,291,080.050	\$19,246,044.380	\$7,352,175.370	\$1,881,556.240	\$4,609,566.820	\$4,978.000	\$64,385,400.000

- Manufacturing Operational Management reports

- Different reports to control processes at factories are made available to local management

Public Folders My Folders Colombo-Main Phitsanulok

Alerts

News Item

Entries: 1 - 1

Name

Expected Margin < -5%

Report

Report

Entries: 1 - 4

Name

Report View of Lot Due For Shipment This week

Report View of Lot Shipment Overdue

Report View of Non Moving Lots

Report View of Section Non Moving Stock

Cube

Cube

Entries: 1 - 1

Name

Inventory

Cognos Search

Find text in:

Name field

Advanced

Cognos Viewer

Back to default entry

Lots Due For Shipment This Week

Lot No.	Expected Delivery Date	Start Date	Carats	Stones
F02680.03	19/06/2007	20/04/2007	1,077.3	19,156
F02680.04	19/06/2007	20/04/2007	930.45	26,044
F02709.01	22/06/2007	23/04/2007	1,396.11	5,461
F02714.01	22/06/2007	23/04/2007	1,263.86	23,177
F0271501	15/06/2007	16/04/2007	1,070.71	210,654
F0271901	15/06/2007	16/04/2007	508.06	3,344
F0271902	15/06/2007	16/04/2007	955.01	9,912
F02727.01	22/06/2007	23/04/2007	128.249	154
F02727.02	22/06/2007	23/04/2007	290.098	550
F02727.03	22/06/2007	23/04/2007	250.904	671
F02727.04	22/06/2007	23/04/2007	198.426	688
F02727.05	22/06/2007	23/04/2007	77.874	264
F02727.06	22/06/2007	23/04/2007	62.019	174
F02727.07	22/06/2007	23/04/2007	55.029	97
F02727.08	22/06/2007	23/04/2007	51.237	60
F02728.01	22/06/2007	23/04/2007	1,319.78	4,238
F02731.01	22/06/2007	23/04/2007	250.585	1,540
F02731.02	22/06/2007	23/04/2007	172.95	1,484



Operational Control through Trading P&L snapshot in JDE

- Management reports

- Trading P&L is made available on daily basis for the Management decision making.

&L Inquiry 701P - PnL Enquiry



lect Find Close Tools

Branch/Plant *	<input type="text" value="701P"/>	Fiscal Year	<input type="text" value="g"/>	Century	<input type="text" value="20"/>
Location	<input type="text" value="SPEC"/>	Lot/SN	<input type="text" value="*"/>		

Records 1 - 4 Customize Grid

on	Lot Serial Number	OPENING BALANCE	PURCHASES	MIX IN FROM ASSORT	MIX IN	MIX OUT	MIX OUT TO ASSORT
		560.620		86.320			93.1
		1158955.550		184158.620			109416.0
D TOTAL		560.620		86.320			93.1
		1158955.550		184158.620			109416.0

< >

CASE STUDY 2

**J D Edwards Enterprise One 8.12
Migration Case Study**

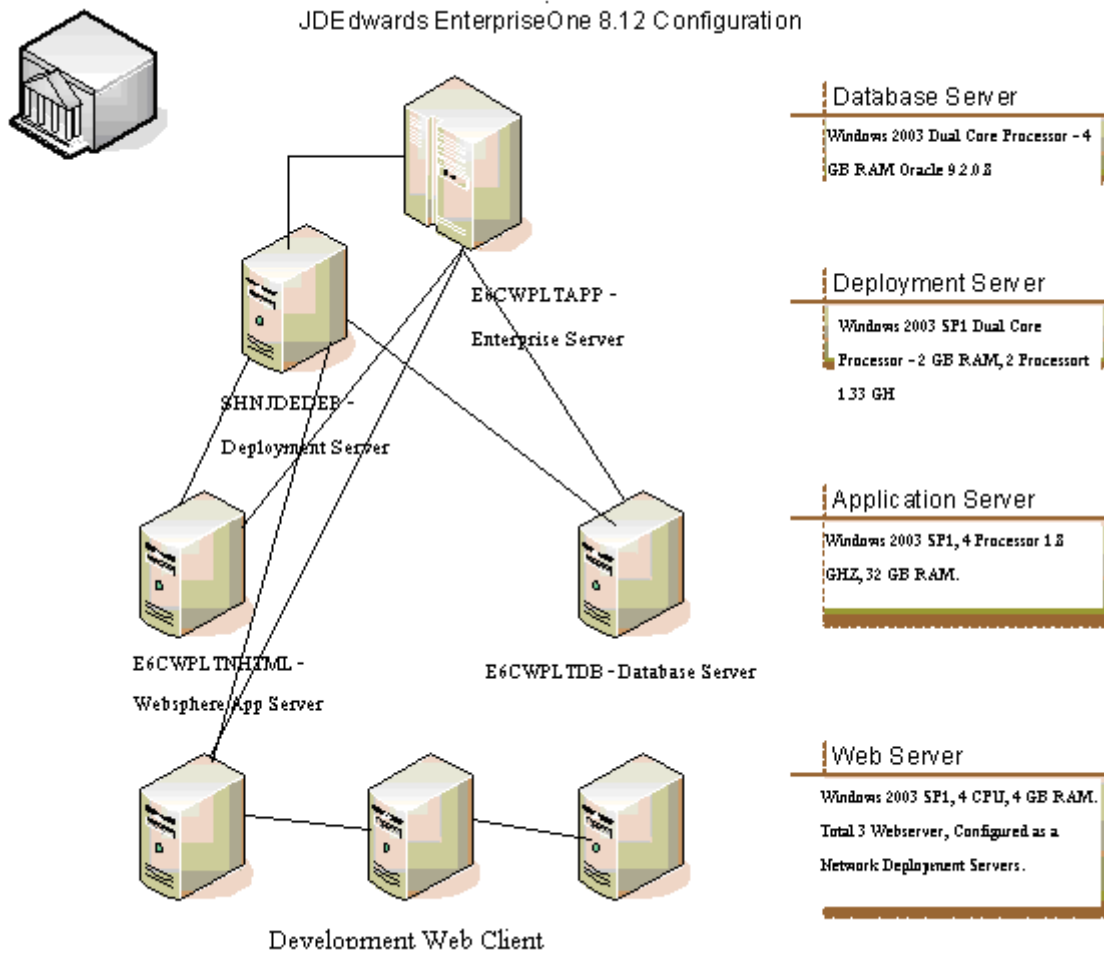


Background

- The client is world’s leading supplier of high quality super abrasives and Industrial Diamond materials, including synthetic and natural diamond and the complementary super abrasive cubic boron nitride (cBN)
- Diamond and cBN products are mainly used in the manufacture of tools for applications including drilling, sawing, cutting, grinding and polishing of different materials such as ferrous and non ferrous metals, natural stone and concrete, wood based materials, plastics, glass and ceramics.
- Manufacturing Units are located at British Isles, China, Ireland, Netherlands, South Africa, Sweden, Ukraine and Wales.
- Research Laboratories are located at South Africa and England
- Also it has got 10 wholly owned sales offices and 6 independent distribution offices guarantee worldwide technical support and dedicated services.

Why Upgrade from ERP 8 to E1 8.12

Current JDE 8.0 Environment	Proposed JDE 8.12 Environment
<ul style="list-style-type: none"> • JDEdwards Enterprise One ERP 8.0 (Service Pack 22) • 939 Users in 13 sites • Multilingual Implementation (Single& Double byte) • iSeries 825 • 6 CPU (6600 CPW) • 32 GB Memory + 1 TB of Disc • 2 Partitions (Primary + Japan) <p>▪ The IBM guidelines for iSeries performance is (shown in next Chart)</p> <p style="padding-left: 40px;">Average CPU Usage <= 65%</p> <p style="padding-left: 40px;">Average page faulting <= 100</p> <p>They are consistently breaching these guidelines with the resultant user performance issues – particularly during normal working hours</p>	<ul style="list-style-type: none"> ▪ Enterprise Server Cum Application Server <ul style="list-style-type: none"> ● 8 CPU, 16 GB RAM Enterprise Server. ● Capable of Handling Load of 2000 Users Concurrently. ● Database Server ● Oracle 9.2.0.8 on Unicode Platform. ● 4 GB RAM using AWR Technology of Windows. ▪ Deployment Server <ul style="list-style-type: none"> ● Dual Core Processor for fast Package Build and Development Operation. ● Web sphere Server (X3) ● 3 Web sphere server configured in Network Deployment Mode to share a load of 1000 Users.



Why 8.12 ?

Advantage 8.12 version	System Design Goals
<ul style="list-style-type: none"> ● Last Sizing (Q1 2004) ● Volume of Batch jobs (100% increase since Q2004) ● Complexity of Batch jobs ● User Count (initial limit 750 – Now 939) ● Impact of New sites ● JDE system Integrity Reports (Not expected to need) ● Business Requirements for more information ● Success of JDE 	<ul style="list-style-type: none"> ■ Be as simple and transparent as possible ■ Customized as far as possible(and sensible) to match the needs/practices of the different production areas ■ Integrate related production areas while leaving them a large degree of autonomy ■ Implement the BPR principles where appropriate/possible ■ System should not impose any barriers to efficient/sensible operation

Scope of the Project E8.12

- System Study of New Servers. Load Balancing for 1000 users currently, expected to grow twice in next 3 years.
- Upgrading the ERP8 Prototype Environment to E8.12 Development Environment.
- Migration of data from Backup Production Server of ERP8 to E8.12 DV Environment.
- Unicode of DV Business Data.
- Copying DV 8.12 to PY 8.12 for Functional Testing.
- All Development was kept on hold during the upgrade process.
- Draw up detailed test scenarios to ensure the business processes are tested completely on Release 8.12. Complete testing is required for normal day to day, end of day, month end and year end activities.
- Particular emphasis is required to Identify and check current workarounds and Check for resolution to known issues.
- Integration of tests across functional boundaries is also pre-requisite.
- Functional and User Acceptance testing approved.
- Go – Live

Testing

- Perform three levels of testing so as to make sure that the new Release functions without any issues
- The three levels of testing are Unit testing, Vertical Scenario testing and Integration Testing
- A Unit test is the performance of a single test definition on a version of an object
- A Vertical test is the performance of a string of unit tests within a single business process. For example - Process MRP and Verifying the messages
- An Integration test is the performance of a string of unit tests across business processes
- Identify and resolve Release 8.12 Issues in conjunction with SRL Functional consultants
- Identify required developments and test to functional completion