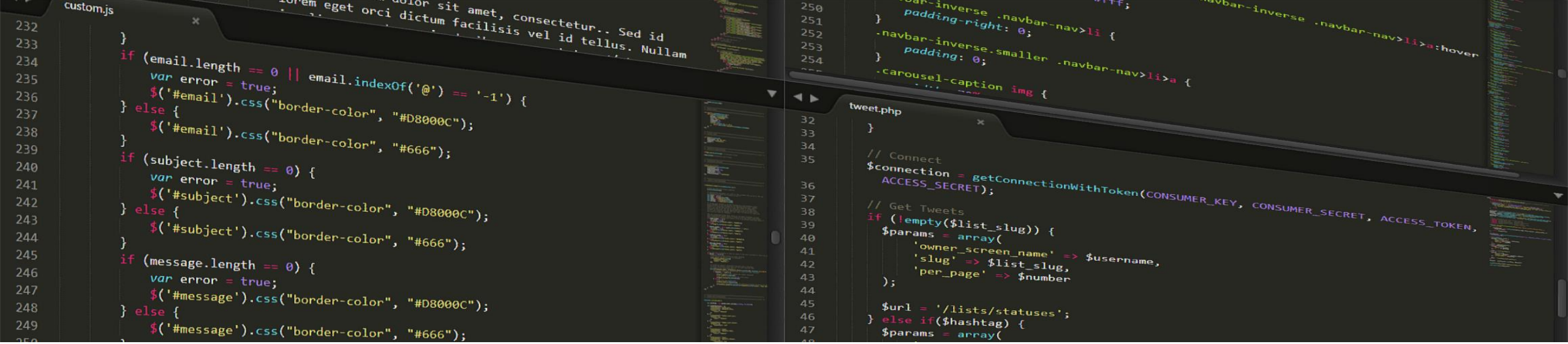
erp4cloud
iDempiere by TRINITI

iDempiere : An Open Source ERP

Features, Architecture, Modules & Advantages

TRINITI



INTRODUCTION – WHY OPEN SOURCE ERP?

Generally, while selecting an ERP, most of the companies look for major players in the market like SAP, Oracle, and Microsoft Dynamics etc. Their offerings are comprehensive, but at the same time expensive in licensing, implementation and maintenance perspective. What happens if your business can't afford one of those gigantic implementations or if your needs are simple for the bigger outcomes? You turn to the open source ERP alternatives. Or you look for a more economical solution.

The main reason to choose an open source ERP is the software system whose source code is made public and open for all. The open source model allows organizations to access the ERP system's code and customize it using their own IT department instead of paying extra bills for vendor customization services. Let's look at some of the major advantages that an open source ERP holds:-

- ✓ Low software licensing cost
- ✓ Non-expensive adaptations with Open source software
- ✓ Stable, high-quality, scalable, future-proof
- ✓ Freedom to customize
- ✓ No vendor lock-in
- ✓ Auditability
- ✓ Support options through the vibrant communities
- ✓ Try before you buy

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AT A GLANCE

Now let's put some light on a wonderful open source ERP software that we've been providing to our customers to level up their game – ***iDempiere***

iDempiere , is an open source Enterprise Resource Planning (ERP) software. With customer relationship management (CRM) and supply chain management (SCM) functions, it is in contrast to proprietary or most other open source ERP solutions, driven only by a community of supporters. iDempiere is a web based application. It can be deployed in intranet or internet based on the need. It uses open source Database PostgreSQL

iDempiere Advantages

Full yFunctional ERP

- Flexible and scalable fully functional ERP, which grows as per the organization's need

Lower Total Cost of Ownership

- No license fee, unlike commercial ERPs. All you need to invest is consultant fee, including implementation, optimization and training

Higher Rate of Successful Implementation

- With its internal application dictionary, end user can use it to customize menu, window and tab. 80% of customization work can be done without coding

Freedom to Customize

- Since iDempiere is open source and using the mainstream J2EE technology, it can be easily customized by your IT team. No vendor dependency and lock in for upgrades and new module addition

iDempiere Application Features

Multiple Organizations

Multiple Languages

- iDempiere supports close to 15 languages

Multiple currencies

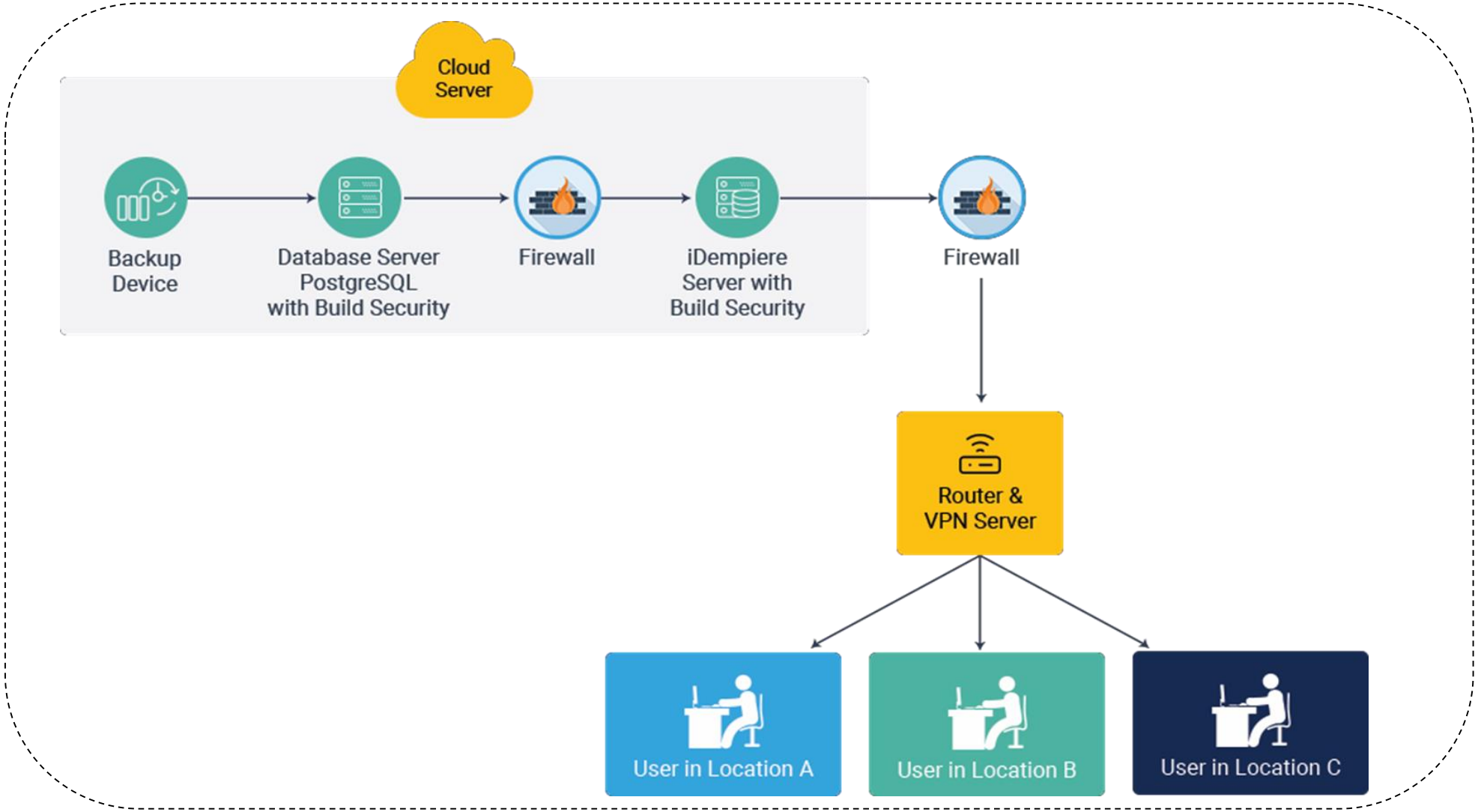
Workflows

- iDempiere has a Workflow Engine based on WFMC standard, to manage document workflow process and BPM requirements

System Admin

- Access to the system based on roles and users. It is possible to configure audit trails for the updated fields

iDempiere: Technical Architecture



CONFIGURING & EXTENDING iDempiere

Configure Business Rules	Configure User Interface	Configure Reports
• Application Setups • Workflow & Security • Accounting Dimensions • Change setups at any time	• Field, windows, labels • Layout, theme, language • Search fields	• Dynamically create reports • Format reports with Adempiere or 3rd Party report designer

iDempiere: MODULES & FUNCTIONALITIES

Order to Cash Process

Quotes, sales order, sale invoices, shipments, sales rep dashboard and sales reporting

Supply Chain Management

Inventory, production planning and multiple location.

Finance Process

FA, Accounting, Bank account management ,reconciliation, Payments and financial reporting

Procure to Pay Process

Requisitions, purchase orders, purchase invoice, material receipt and purchase reporting

CRM Process

Business partner rules, contact management, campaign management, sales management, sales stage

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iDempiere: Extensive Business Process Coverage (1/2)

Sales & Distribution	Procurement	Inventory	Manufacturing
• Customer Management • Marketing & Campaign • Pricing & Discount • Sales Order Management • Shipping & Transportation • Commission & Incentive • Return Management	• Vendor Management • Auction/RfQ • Purchase Order Processing • Receive & Quality Check • Landed Cost • Return Management	• Product Management • Multi-Warehouse & Location • Batch Management • Serial Number & Attribute • Inventory Receipt to Stock • Inventory Issue from Stock • Inventory Movement • Distribution Order • Inventory Adjustment	• Bill of Material • Resource & Rate • Production Routing • Quality Parameters • Forecasting • MRP Engine • Production Plan & Order • Production Execution • Quality Inspection • Maintenance Activity

iDempiere: Extensive Business Process Coverage (2/2)

Project Management

- Project Type
- Project & Stages
- Project Costing
- Asset Project (AUC)
- Cycle Report
- Financial Status

Security & Control

- Multi Client & Organization with consolidation and standardization capability
- Access Role by Form and Organization Data

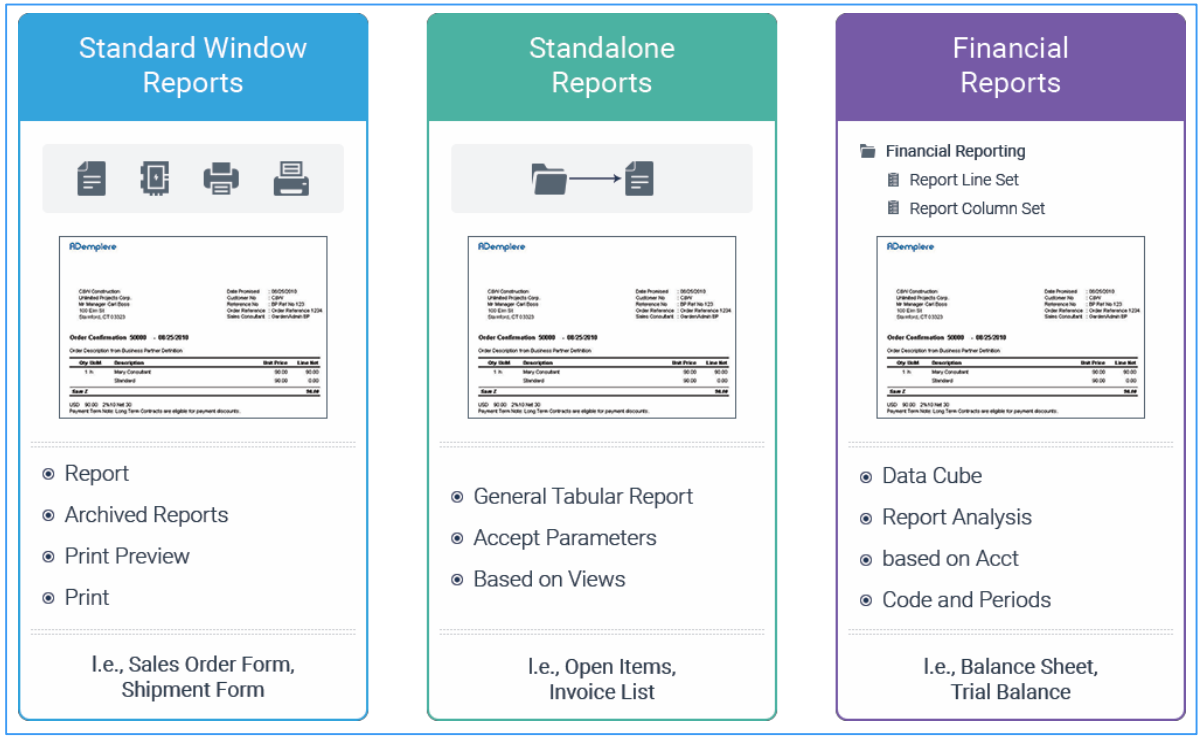
Finance & Accounting

- General Ledger
- Account Receivable
- Account Payable
- Receipt & Allocation
- Payment Processing
- Cash/Bank Statement
- Financial Report
- Product Costing
- Cost & Profit Center
- Tax Management
- Fixed Asset
- Budget & Period Control
- Sub-Ledger Report

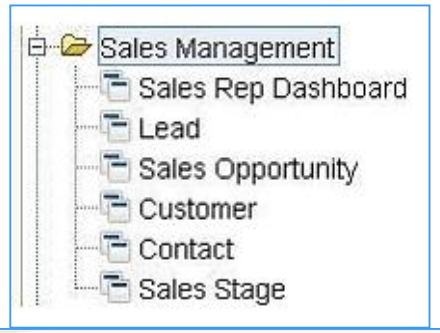
Human Resource

- Recruitment
- Personal Administration
- Management Organization
- Payroll
- Attendance & Leave
- Personal Development
- Travel Management
- Employee Self Service
- Training

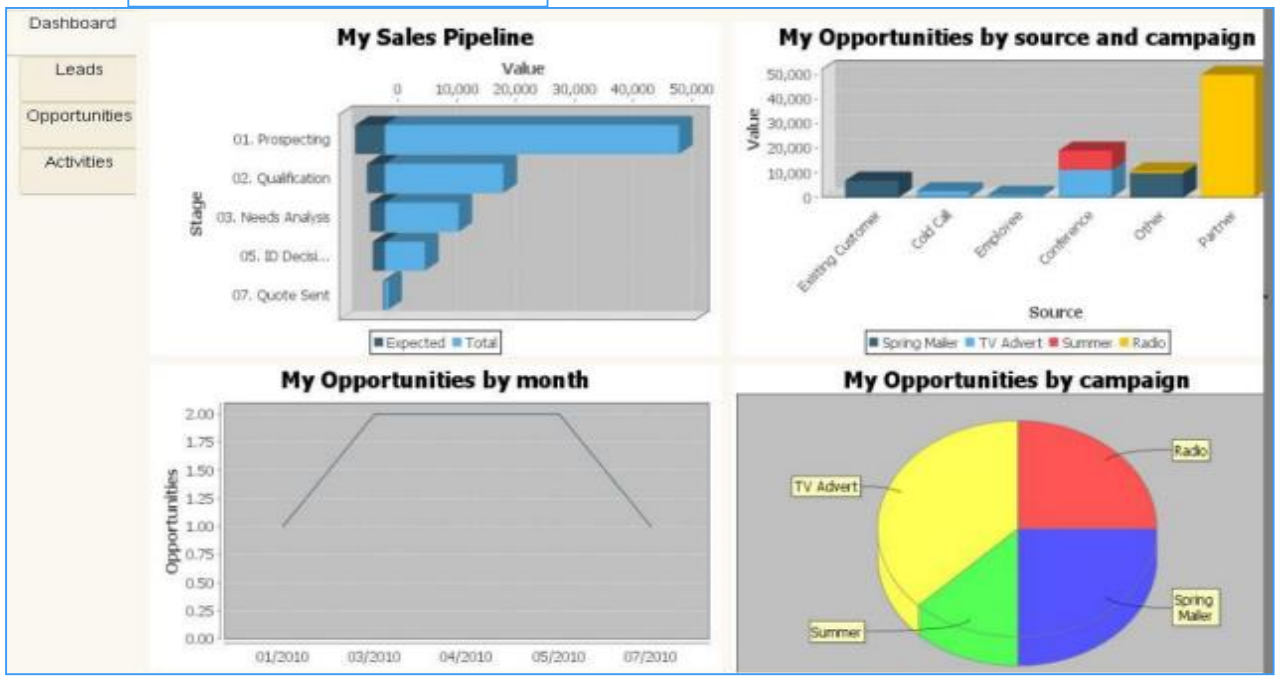
iDempiere: SOME SNAPSHOTS



iDempiere: Types of Reports



iDempiere: Sales Dashboard



Value Add : Using Triniti's eWorksheet

Applicability for Enterprises of All Sizes

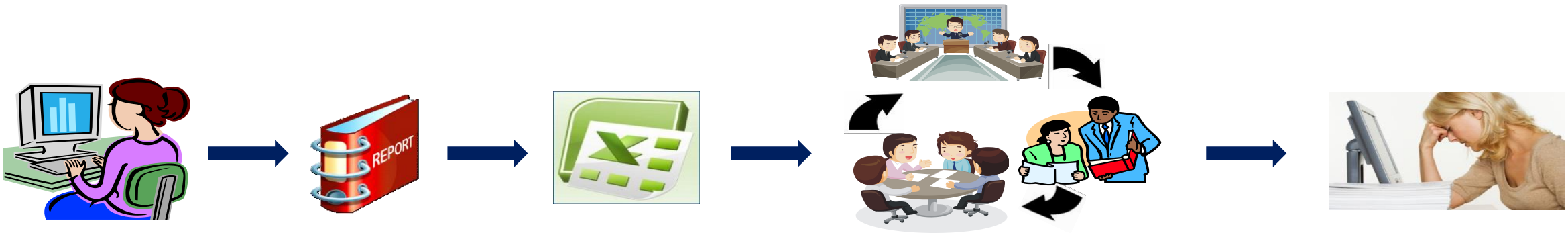
TRINITI

Introduction to Triniti's eWorksheet

A Single Application for Varied Needs and for All Sizes

Triniti's eWorksheet is a tool that integrates with any relational database and can serve as either Reporting Tool (Read-only) or to enter data into a database with ability to control data through business rules and pre-defined workflows.

A Typical Scenario: Making Updates to Business Data in ERP



Running a report from ERP system using a reporting tool

Downloading to Excel

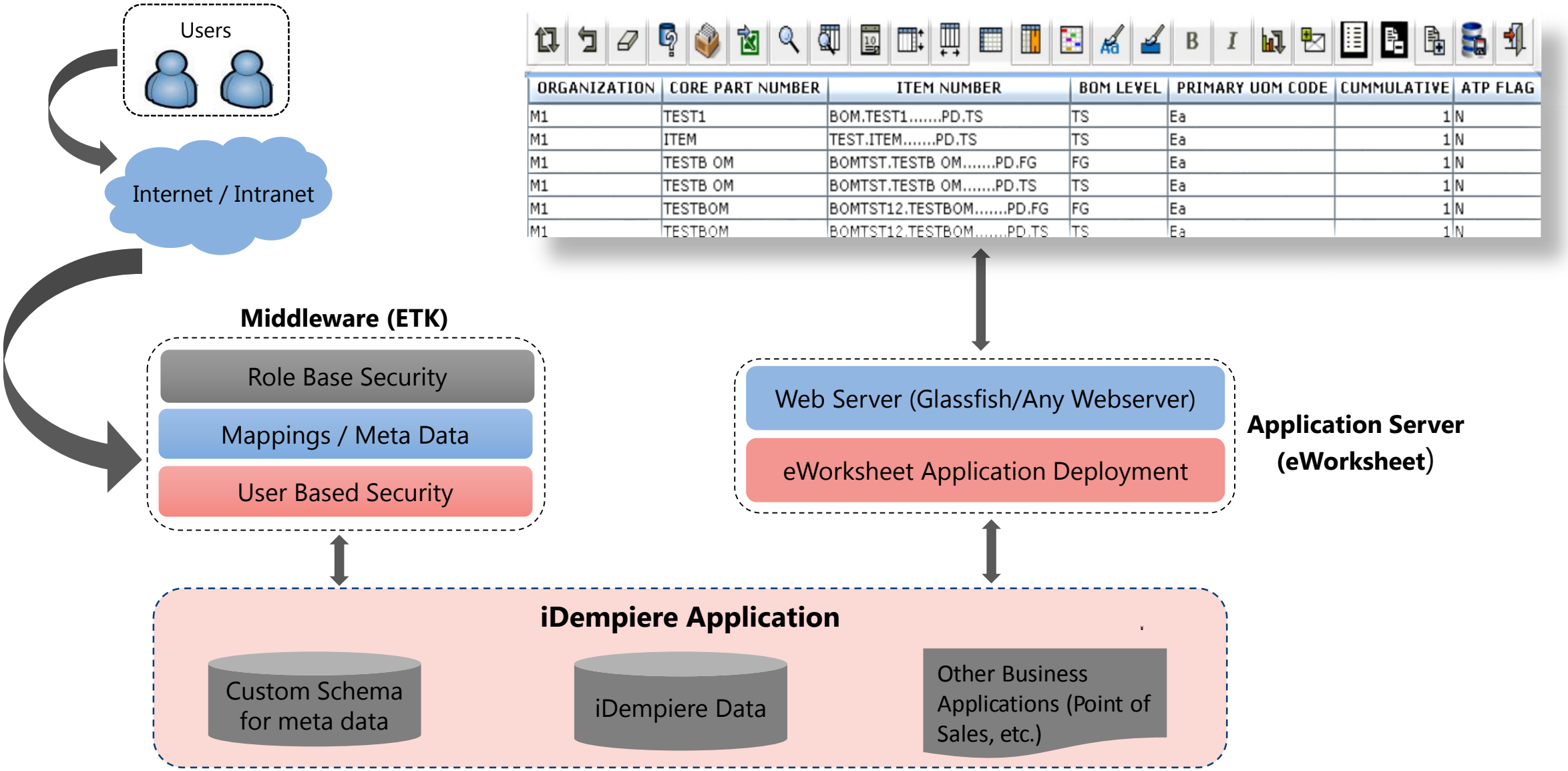
Making changes during a number of meetings

Finally, updating the data manually in the ERP

X No Data Accuracy
X No Real Time Data
X Time Consuming
X No Single Source of Truth
X No Audit Control
X Manual Errors

Using Triniti's editable eWorksheet, stakeholder teams can directly make updates to the ERP data as and when any change happens and hence can save time and scope of manual errors

Architecture: iDempiere with eWorksheet Reporting Layer



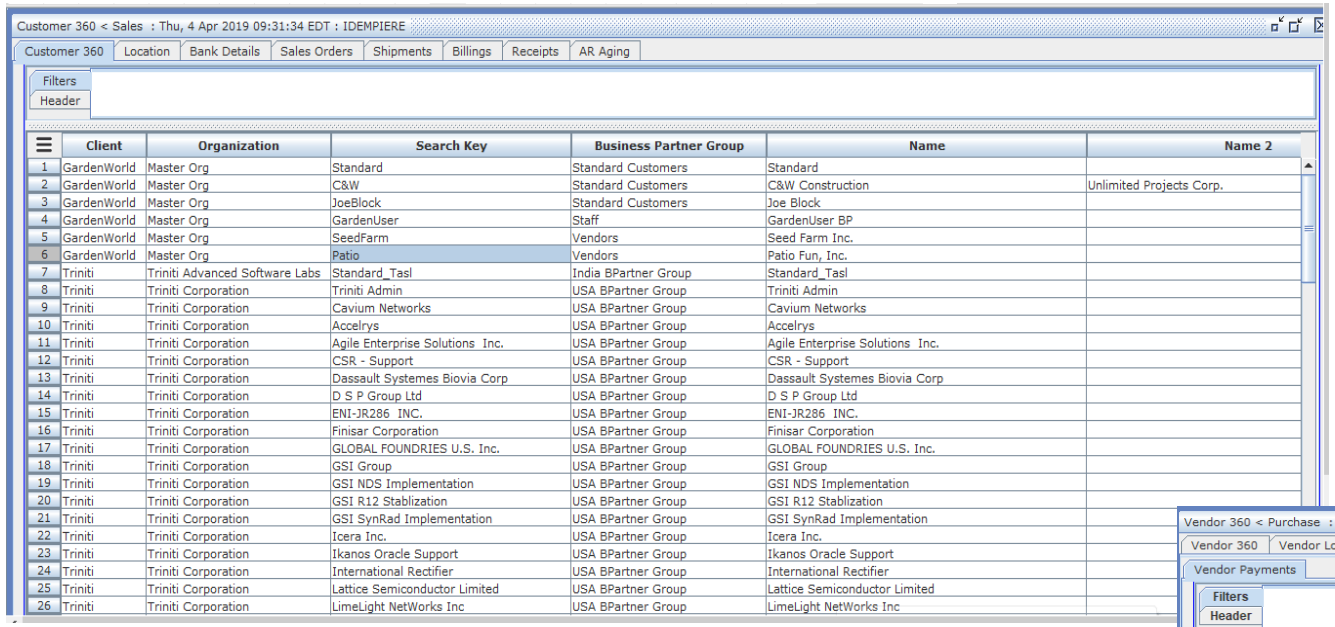
Overall Benefits: eWorksheet

- Helps you achieve zero latency by providing a single step excel clone. Provides an excel look and feel
- Enables real-time retrieval from the ERP. Also enables real-time update to the ERP using ERP supported native APIs
- Supports conditional formatting similar to excel. Import & export of data from excel and into the excel
- Multiple views. Slicing & dicing data – Dynamic Query conditions / column filters
- Drilldown reports can be configured from the parent report. User based personalization of reports is permitted. Mass update of multiple records on the report

What End Users Can Do with eWorksheet

- Can connect to any relational database and all the transactional and analytical reports can be configured
- Can configure this application to manage any internal business process that needs action/response from different stakeholders, while data flows across business teams
- Can be configured either as a report (retrieves only data from ERP) or an editable sheet that allows updates on the data in Relational Database
- Can be used to print third-party facing reports – such as Purchase Orders, Order Acknowledgment, Customer Balances, and so on

Reports Built Using eWorksheet


Customer 360 < Sales : Thu, 4 Apr 2019 09:31:34 EDT : IDEMPIERE

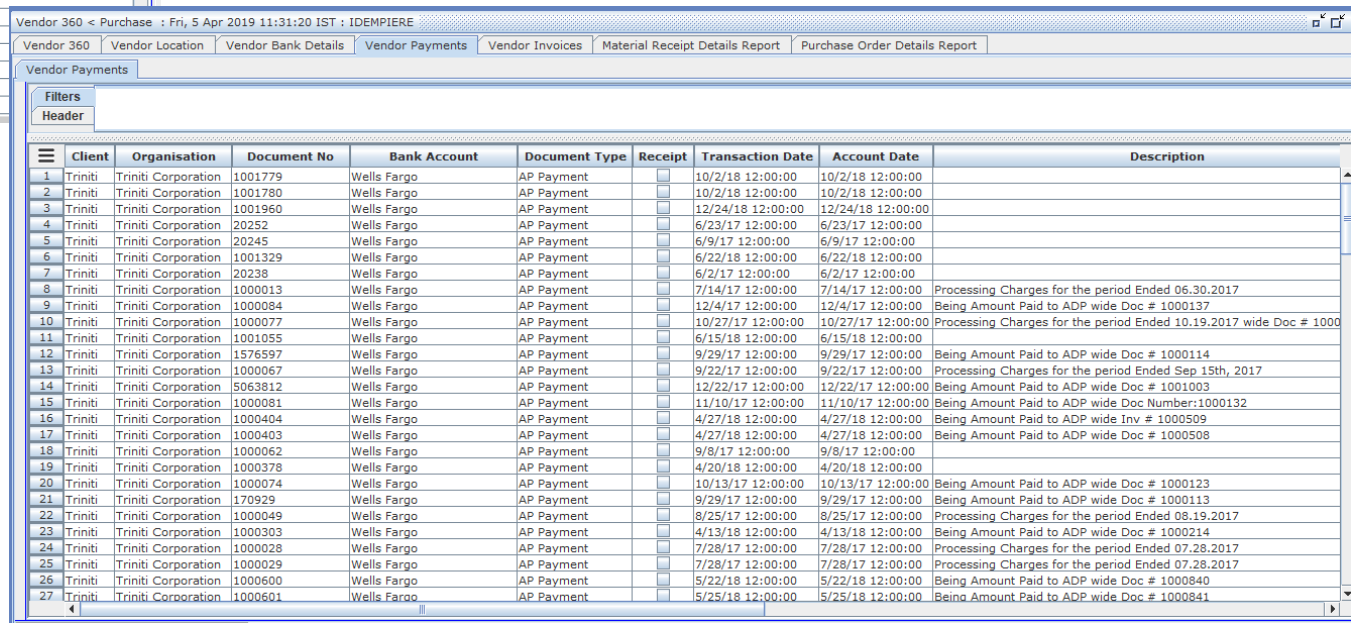
Customer 360 | Location | Bank Details | Sales Orders | Shipments | Billings | Receipts | AR Aging

Filters
Header

	Client	Organization	Search Key	Business Partner Group	Name	Name 2
1	GardenWorld	Master Org	Standard	Standard Customers	Standard	
2	GardenWorld	Master Org	C&W	Standard Customers	C&W Construction	Unlimited Projects Corp.
3	GardenWorld	Master Org	JoeBlock	Standard Customers	Joe Block	
4	GardenWorld	Master Org	GardenUser	Staff	GardenUser BP	
5	GardenWorld	Master Org	SeedFarm	Vendors	Seed Farm Inc.	
6	GardenWorld	Master Org	Patio	Vendors	Patio Fun, Inc.	
7	Triniti	Triniti Advanced Software Labs	Standard_Tasl	India BPartner Group	Standard_Tasl	
8	Triniti	Triniti Corporation	Triniti Admin	USA BPartner Group	Triniti Admin	
9	Triniti	Triniti Corporation	Cavium Networks	USA BPartner Group	Cavium Networks	
10	Triniti	Triniti Corporation	Accelrys	USA BPartner Group	Accelrys	
11	Triniti	Triniti Corporation	Agile Enterprise Solutions Inc.	USA BPartner Group	Agile Enterprise Solutions Inc.	
12	Triniti	Triniti Corporation	CSR - Support	USA BPartner Group	CSR - Support	
13	Triniti	Triniti Corporation	Dassault Systemes Biovia Corp	USA BPartner Group	Dassault Systemes Biovia Corp	
14	Triniti	Triniti Corporation	D S P Group Ltd	USA BPartner Group	D S P Group Ltd	
15	Triniti	Triniti Corporation	ENI-JR286 INC.	USA BPartner Group	ENI-JR286 INC.	
16	Triniti	Triniti Corporation	Finisar Corporation	USA BPartner Group	Finisar Corporation	
17	Triniti	Triniti Corporation	GLOBAL FOUNDRIES U.S. Inc.	USA BPartner Group	GLOBAL FOUNDRIES U.S. Inc.	
18	Triniti	Triniti Corporation	GSI Group	USA BPartner Group	GSI Group	
19	Triniti	Triniti Corporation	GSI NDS Implementation	USA BPartner Group	GSI NDS Implementation	
20	Triniti	Triniti Corporation	GSI R12 Stablization	USA BPartner Group	GSI R12 Stablization	
21	Triniti	Triniti Corporation	GSI SynRad Implementation	USA BPartner Group	GSI SynRad Implementation	
22	Triniti	Triniti Corporation	Icera Inc.	USA BPartner Group	Icera Inc.	
23	Triniti	Triniti Corporation	Ikanos Oracle Support	USA BPartner Group	Ikanos Oracle Support	
24	Triniti	Triniti Corporation	International Rectifier	USA BPartner Group	International Rectifier	
25	Triniti	Triniti Corporation	Lattice Semiconductor Limited	USA BPartner Group	Lattice Semiconductor Limited	
26	Triniti	Triniti Corporation	LimeLight NetWorks Inc	USA BPartner Group	LimeLight NetWorks Inc	

Customer 360 Report

Vendor 360 Report


Vendor 360 < Purchase : Fri, 5 Apr 2019 11:31:20 IST : IDEMPIERE

Vendor 360 | Vendor Location | Vendor Bank Details | Vendor Payments | Vendor Invoices | Material Receipt Details Report | Purchase Order Details Report

Vendor Payments

Filters
Header

	Client	Organisation	Document No	Bank Account	Document Type	Receipt	Transaction Date	Account Date	Description
1	Triniti	Triniti Corporation	1001779	Wells Fargo	AP Payment		10/2/18 12:00:00	10/2/18 12:00:00	
2	Triniti	Triniti Corporation	1001780	Wells Fargo	AP Payment		10/2/18 12:00:00	10/2/18 12:00:00	
3	Triniti	Triniti Corporation	1001960	Wells Fargo	AP Payment		12/24/18 12:00:00	12/24/18 12:00:00	
4	Triniti	Triniti Corporation	20252	Wells Fargo	AP Payment		6/23/17 12:00:00	6/23/17 12:00:00	
5	Triniti	Triniti Corporation	20245	Wells Fargo	AP Payment		6/9/17 12:00:00	6/9/17 12:00:00	
6	Triniti	Triniti Corporation	1001329	Wells Fargo	AP Payment		6/22/18 12:00:00	6/22/18 12:00:00	
7	Triniti	Triniti Corporation	20238	Wells Fargo	AP Payment		6/2/17 12:00:00	6/2/17 12:00:00	
8	Triniti	Triniti Corporation	1000013	Wells Fargo	AP Payment		7/14/17 12:00:00	7/14/17 12:00:00	Processing Charges for the period Ended 06.30.2017
9	Triniti	Triniti Corporation	1000084	Wells Fargo	AP Payment		12/4/17 12:00:00	12/4/17 12:00:00	Being Amount Paid to ADP wide Doc # 1000137
10	Triniti	Triniti Corporation	1000077	Wells Fargo	AP Payment		10/27/17 12:00:00	10/27/17 12:00:00	Processing Charges for the period Ended 10.19.2017 wide Doc # 1000
11	Triniti	Triniti Corporation	1001055	Wells Fargo	AP Payment		6/15/18 12:00:00	6/15/18 12:00:00	
12	Triniti	Triniti Corporation	1576597	Wells Fargo	AP Payment		9/29/17 12:00:00	9/29/17 12:00:00	Being Amount Paid to ADP wide Doc # 1000114
13	Triniti	Triniti Corporation	1000067	Wells Fargo	AP Payment		9/22/17 12:00:00	9/22/17 12:00:00	Processing Charges for the period Ended Sep 15th, 2017
14	Triniti	Triniti Corporation	5063812	Wells Fargo	AP Payment		12/22/17 12:00:00	12/22/17 12:00:00	Being Amount Paid to ADP wide Doc # 1001003
15	Triniti	Triniti Corporation	1000081	Wells Fargo	AP Payment		11/10/17 12:00:00	11/10/17 12:00:00	Being Amount Paid to ADP wide Doc Number:1000132
16	Triniti	Triniti Corporation	1000404	Wells Fargo	AP Payment		4/27/18 12:00:00	4/27/18 12:00:00	Being Amount Paid to ADP wide Inv # 1000509
17	Triniti	Triniti Corporation	1000403	Wells Fargo	AP Payment		4/27/18 12:00:00	4/27/18 12:00:00	Being Amount Paid to ADP wide Doc # 1000508
18	Triniti	Triniti Corporation	1000062	Wells Fargo	AP Payment		9/8/17 12:00:00	9/8/17 12:00:00	
19	Triniti	Triniti Corporation	1000378	Wells Fargo	AP Payment		4/20/18 12:00:00	4/20/18 12:00:00	
20	Triniti	Triniti Corporation	1000074	Wells Fargo	AP Payment		10/13/17 12:00:00	10/13/17 12:00:00	Being Amount Paid to ADP wide Doc # 1000123
21	Triniti	Triniti Corporation	170929	Wells Fargo	AP Payment		9/29/17 12:00:00	9/29/17 12:00:00	Being Amount Paid to ADP wide Doc # 1000113
22	Triniti	Triniti Corporation	1000049	Wells Fargo	AP Payment		8/25/17 12:00:00	8/25/17 12:00:00	Processing Charges for the period Ended 08.19.2017
23	Triniti	Triniti Corporation	1000303	Wells Fargo	AP Payment		4/13/18 12:00:00	4/13/18 12:00:00	Being Amount Paid to ADP wide Doc # 1000214
24	Triniti	Triniti Corporation	1000028	Wells Fargo	AP Payment		7/28/17 12:00:00	7/28/17 12:00:00	Processing Charges for the period Ended 07.28.2017
25	Triniti	Triniti Corporation	1000029	Wells Fargo	AP Payment		7/28/17 12:00:00	7/28/17 12:00:00	Processing Charges for the period Ended 07.28.2017
26	Triniti	Triniti Corporation	1000600	Wells Fargo	AP Payment		5/22/18 12:00:00	5/22/18 12:00:00	Being Amount Paid to ADP wide Doc # 1000840
27	Triniti	Triniti Corporation	1000601	Wells Fargo	AP Payment		5/25/18 12:00:00	5/25/18 12:00:00	Being Amount Paid to ADP wide Doc # 1000841

THANK YOU

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