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**PEOPLESOFT ENTERPRISE**

**Protect • Extend • Evolve with PeopleTools 8.48**

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# Safe Harbor Statement

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# PeopleTools 8.48 Enhancements

- Platform Infrastructure
- Server Administration
- Integration Technology
- Analytic Tools
- Security
- Portal Technology



# PeopleSoft Certification Roadmap



## PeopleTools 8.46

- OID 10.1.2
- BPEL 10.1.2

## PeopleTools 8.47

- OC4J 10.1.2
- Portal 10.1.2
- OID / SSO 10.1.2
- Oracle Integration 10.1.2

## PeopleTools 8.48

- Platform - AS, Portal, OID/SSO
- BPEL / BAM
- Enterprise Manager
- Analytic Tools – Discoverer, XML Publisher
- Data Hubs



# PT 8.48 Key Benefits

- **Superior Ownership Experience**
  - Streamlined patching thru Patch Analyzer
  - Improved Visual Merge - auto and 3 way merge
- **Greatest Business Insight**
  - Business user reporting with XML Publisher
  - Real time business visibility with BAM
  - Delivered insight w/Discoverer integrated w/ EPM
- **Adaptive Business Processes**
  - New graphical UI and standards support to simplify Web Services creation and management
  - Integrated human task and system orchestration



## PT8.48 – Protect

- A strong commitment to reducing maintenance and upgrade costs.
- Multiple performance enhancements
- Minimize technology impact through full backwards compatibility with earlier 8.4x PeopleTools releases
- Providing a stable platform for long-term support of PeopleSoft Enterprise applications through 2013 and beyond.



## PT8.48 – Extend/Evolve

- Provide a stepping stone to Fusion
- Extended use of Oracle technologies including Enterprise Manager, BPEL, XML Publisher
- Solid improvements in web service technologies



## 8.48 Release Constraints

- **Tools 8.48 is not a new Code Line**
  - Customers will not be required to upgrade their applications to use 8.48
- **No Forced Application Impact**
  - Any enhancement requiring application changes must be optional
- **Focus Development Effort on Fusion**
  - Manage investment in 8.48





# Release Definition

- Languages: All currently supported
- Countries: All currently supported
- New Third Party: None
- Upgrades: All 8.4x paths



# PT8.48 – Platform Infrastructure

- RHEL 4 & SuSE 9, x86 & x86-64 (32-bit apps)
- MS SQL Server 2005
- 64-bit UNIX apps
- Verity 6.0.1

# Platform Technology Updates

	Added	Discontinued
<b>Operating System</b>	IBM z/OS 1.7 Solaris 10 Red Hat Enterprise Linux (RHEL) 4.0, SuSE Enterprise Linux (SLES) 9 for x86, x86-64, and zLinux Red Hat Enterprise Linux (RHEL) 4.0 on IA64 Windows Server 2003 (64-bit)	AIX 5.1 Solaris 8 Red Hat Enterprise Linux (RHEL) 3.0, SuSE Enterprise Linux (SLES) 8 for x86 Red Hat Enterprise Linux (RHEL) 3.0 on IA64
<b>RDBMS</b>	<b>Microsoft SQL Server 2005</b>	
<b>Web Server</b>	<b>Oracle Application Server 10g 10.1.2.02</b> BEA WebLogic 8.1 SP5 IBM WebSphere 5.1.1.7 ND	BEA WebLogic 8.1 SP4 IBM WebSphere 5.1.1.0 ND
<b>Application Server</b>	64-bit CPUs on AIX, Solaris, and HPUNIX-pa	
<b>BEA Tuxedo</b>	BEA Tuxedo 8.1 RP192 (64-Bit)	BEA Tuxedo 8.1 RP135
<b>Verity</b>	Verity 6.1	Verity 5.0.1
<b>Crystal</b>	Crystal Reports 9 (standard) <b>Crystal Reports XI (optional)</b> <b>BusinessObjects Enterprise XI (optional)</b>	



# PT8.48 – Server Administration

- Change Impact Analyzer
  - determine the impact of specific changes during an application upgrade
- Jolt Session Pooling
  - session pooling will be enabled by default - enables web server connections to be shared between user sessions
- Jolt Failover and Load Balancing
  - new options for configuring failover and load balancing: weighted and/or strict failover
- Other Enhancements
  - Verity Search Configuration options
  - App Server and Web Server performance enhancements



# Change Impact Analyzer

- PeopleSoft Change Impact Analyzer will analyze impact of change packages, and identify which business process needs testing
  - Display navigation paths affected by a patch
- A generic tool (Java app) supports all versions of PeopleTools higher than 8.19 (8.1x and 8.4x) on all platforms

# Change Impact Analyzer

The screenshot shows the Change Impact Analyzer application window. The main area displays a table with the following columns: Definition, Name, Impacted Definition, Impacted Name, Action, Rule Set, and Rule Version. The table lists various database components and pages, along with their impacted definitions and the actions performed by the analyzer.

Definition	Name	Impacted Definition	Impacted Name	Action	Rule Set	Rule Version
Component	PT_CDB_ACTION					
Component	PT_CDB_APP_CODE					
Component	PT_CDB_BATCH_L...					
Page	PT_CDB_ACTION	Component	PT_CDB_ACTION	Check references	IDE	8.19
Page	PT_CDB_ACTION_...	Component	PT_CDB_ACTION	Check references	IDE	8.19
Page	PT_CDB_ACTION_...	Component	PT_CDB_ACTION	Check references	IDE	8.19
Page	PT_CDB_ACT_HD...					
Page	PT_CDB_APP_CODE	Component	PT_CDB_APP_CODE	Check references	IDE	8.19
Page	PT_CDB_BATCH_L...	Component	PT_CDB_BATCH_L...	Check references	IDE	8.19
Record	PSCACERT_VW (*)					
Record	PSCAMA (*)					
Record	PSCDBACTAET (*)					
Record	PSCDBACTION (*)	Page	PT_CDB_ACTION	Check references	IDE	8.19
Record	PSCDBACTION (*)	Page	PT_CDB_ACTION_...	Check references	IDE	8.19
Record	PSCDBACTION (*)	Page	PT_CDB_ACTION_...	Check references	IDE	8.19
Record	PSCDBACTION (*)	Page	PT_CDB_ACT_HD...	Check references	IDE	8.19
Record	PSCDBACTLANG (*)					
Record	PSCDBACTPARG (*)	Page	PT_CDB_ACTION	Check references	IDE	8.19
Record	PSCDBACTPARG (*)	Page	PT_CDB_ACTION_...	Check references	IDE	8.19
Record	PSCDBACTSEC (*)	Page	PT_CDB_ACTION_...	Check references	IDE	8.19
Record	PSCDBACTWRK (*)	Page	PT_CDB_ACTION_...	Check references	IDE	8.19
Record	PSCDBACTWRK (*)	Page	PT_CDB_ACT_HD...	Check references	IDE	8.19
Record	PSCDBACTWRK (*)					

At the bottom of the window, there are tabs for 'Errors' and 'Messages', and a status bar indicating 'Ready'.



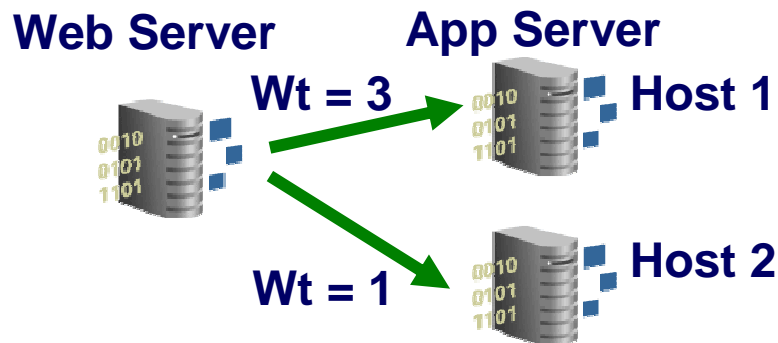
# Oracle Application Server Enhancements

- Added support for Oracle Application Server 10g 10.1.2.02.
- Support for OracleAS Web Cache as a reverse proxy server
- OracleAS Web Cache can be installed as a standalone component or enabled within Oracle Application Server.
- Note: Web Cache is not bundled with PeopleTools, it is a separately licensed product

# Jolt Enhancements

- (New option) JOLT Session pooling between web server and application server domains
  - Improve availability by sharing connections
- (New option) Strict failover & weighted load balancing
  - New algorithm to detect condition for failover and load balance requests appropriately
  - Weighted load balancing, Wt=1 to 10 (low to heavy load)

psserver=Host1:Port1#Wt,Host2:Port2#Wt,...



**Host 1 will receive 3X requests than Host 2**





# Application Server and Web Server Performance

- Stateful Session Replication for Web Server Clusters
- PSWATCHSRV now detects and terminates processes that remain in the “idle” state
- Timeout for Processes Unable to Start
- Application Server Crash and Timeout Logging for UNIX
- Preload Cache on Boot
- Parallel Start and Stop of Application Server Processes
- Dynamic Recycle Count



# PT8.48 – Integration

- **Services and Service Operations**
  - Services Component: create and manage services.
  - Service Operations Component: create and manage service operations (creating operations, assigning messages, adding handlers, etc.)
- **Integration PeopleCode**
  - Extend delivered application classes to create messaging logic.
  - Logic is attached to handlers instead of messages.
  - New object called IntBroker with many of the methods and functions of the Message object
- **Provide/Consume Web Services**
  - PeopleTools 8.48 features a Provide Services wizard and a Consume Services wizard



# PT8.48 – Services Security

- **WS-Addressing**
  - PeopleSoft Integration Broker adds a unique transaction ID in a web services addressing (WS-Addressing) SOAP header on outgoing messages. When a third-party processes the message it will send a response with the same WS-addressing header. WS-Addressing is handled on the integration gateway.
- **WS-Security**
  - PeopleTools 8.48 implements web service security (WS-Security) for inbound and outbound integrations.

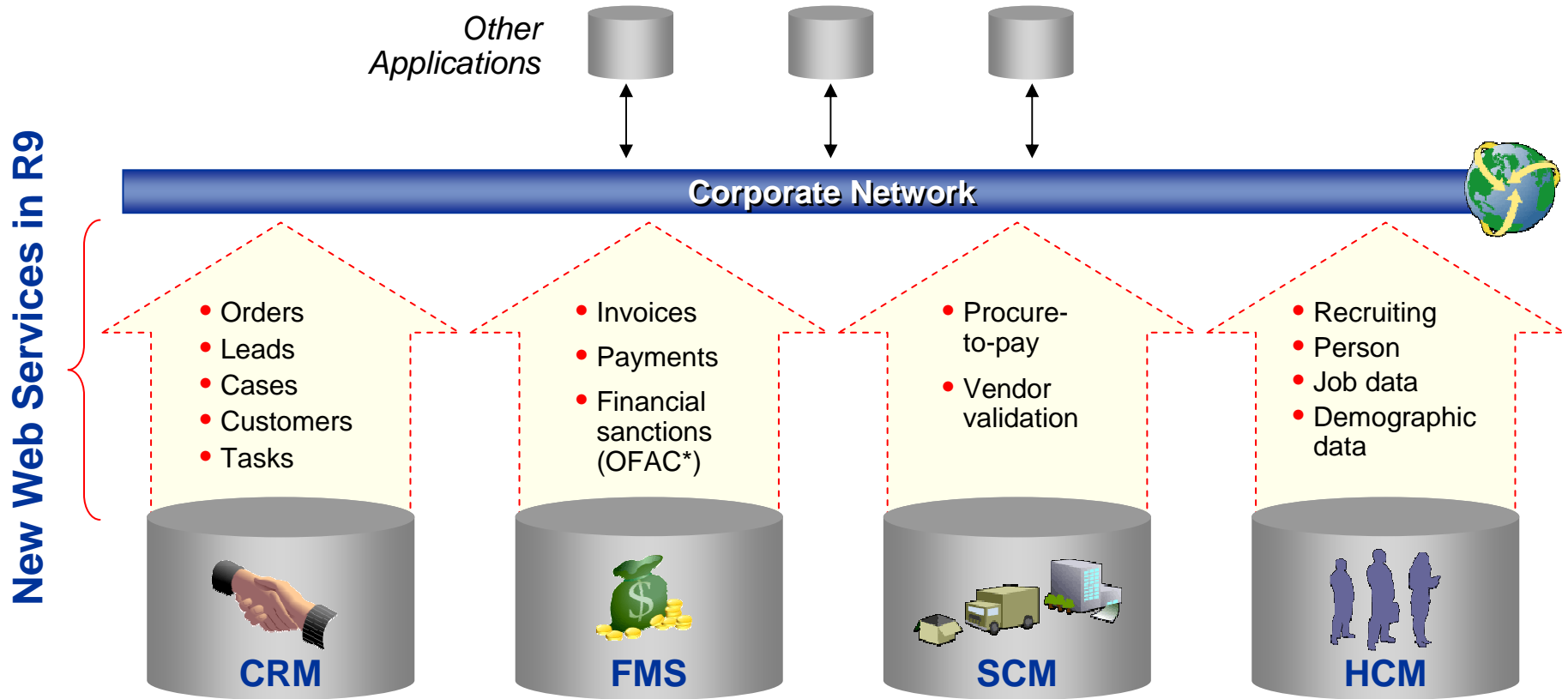


## PT8.48 - Integration Broker Enhancements

- **Creating XSLT Transform Programs with the Oracle XSLT Mapper**
- **Performance Enhancements**
  - Utilize DMS for Large Message Subscriptions
  - Static Slave Domains
  - Exception Handling for Synchronous Message ProcessingWhen
  - Resubmitting Failed Transactions
  - Queue Load Balancing
- **Listening Connectors and Target Connectors**
  - Segment-Aware Target Connectors
  - AS2 Listening and Target Connectors
  - HTTP Target Connector

# Leveraging Ptools 8.48 Web Services

Share More PeopleSoft Enterprise Functionality with Other Apps



\* Office of Foreign Assets Control

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# Web Services Example - GL 9.0

- Validate 3<sup>rd</sup> party transactions against PeopleSoft validation rules
  - Real time checking of financial data combinations from a 3<sup>rd</sup> party system
  - Return of valid or error status
  - Eliminates the troubleshooting of errors at the back end and reduces reconciliation efforts and period end close



# Web Services Example – Project Costing 9.0

- Third-party loader service to which any third-party application can subscribe and send projects, activities, and transactions data to Project Costing interface staging tables.
- Leverages industry standard protocols.
- Reduces customer's cost of maintaining multiple integration points



# Source to Settle BPEL Example

- **Business Problem: US companies must validate customers and suppliers against the Specially Designated Nationals (SDN) list managed by the Office of Foreign Assets and Control (OFAC).**
- **Solution: PSFT Financials and SCM creates a web service that sends a request through the BPEL process manager to the OFAC SDN website for validation.**



# Business Process Execution Language

SetID:  
Vendor ID:  
Vendor Short Name:  
Vendor Name 1:  
Vendor Name 2:  
Microsoft Internet Explorer  
Warning: The vendor is not eligible for this payment.  
COMPANIA FEN...  
Vendor 336  
Caracas 336 V...

Business Unit:  
Voucher ID:  
Voucher Style:  
PO Unit:  
Vendor:  
Name:  
Location:  
\*Address:

**Payment Notes**

Payment(s) Flagged for Hold Customize | Find | View All | First 1 of 1 Last

Payment Information | Bank Details | Payee Details

	Source ID	Transaction ID	Unit	Date	Amount	Currency	Method	Status
➔	TRW000000017	CM0000000084	US001	07/10/2006	50,000.00	USD	EFT	Flagged for Hold

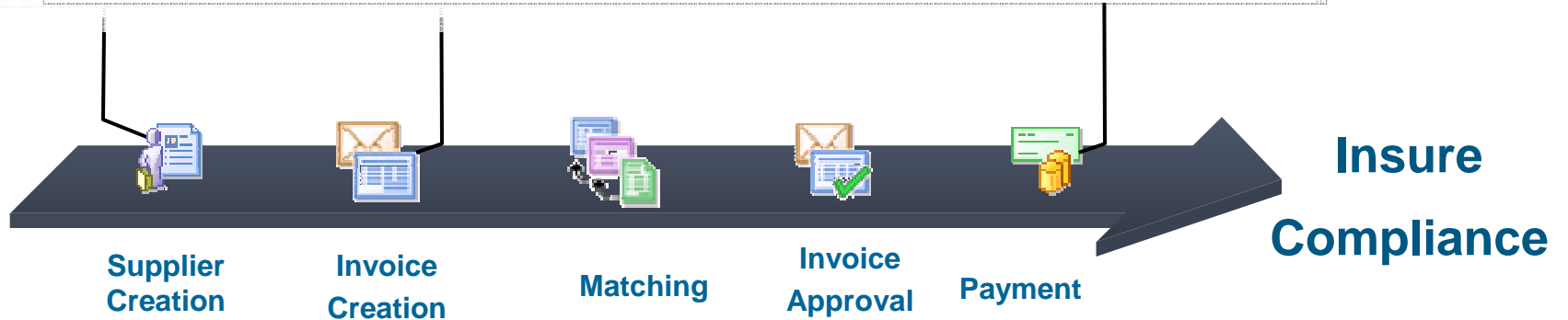
Comments

OK

**Events for Current Payment** Customize | Find | View All | First 1 of 1 Last

	Date Time	User ID	Severity	Event Description
●	07/10/06 4:26:45PM	VP1	Information	Potential Sanction Violation: Entry ID = 15, List Type = OFAC

Return



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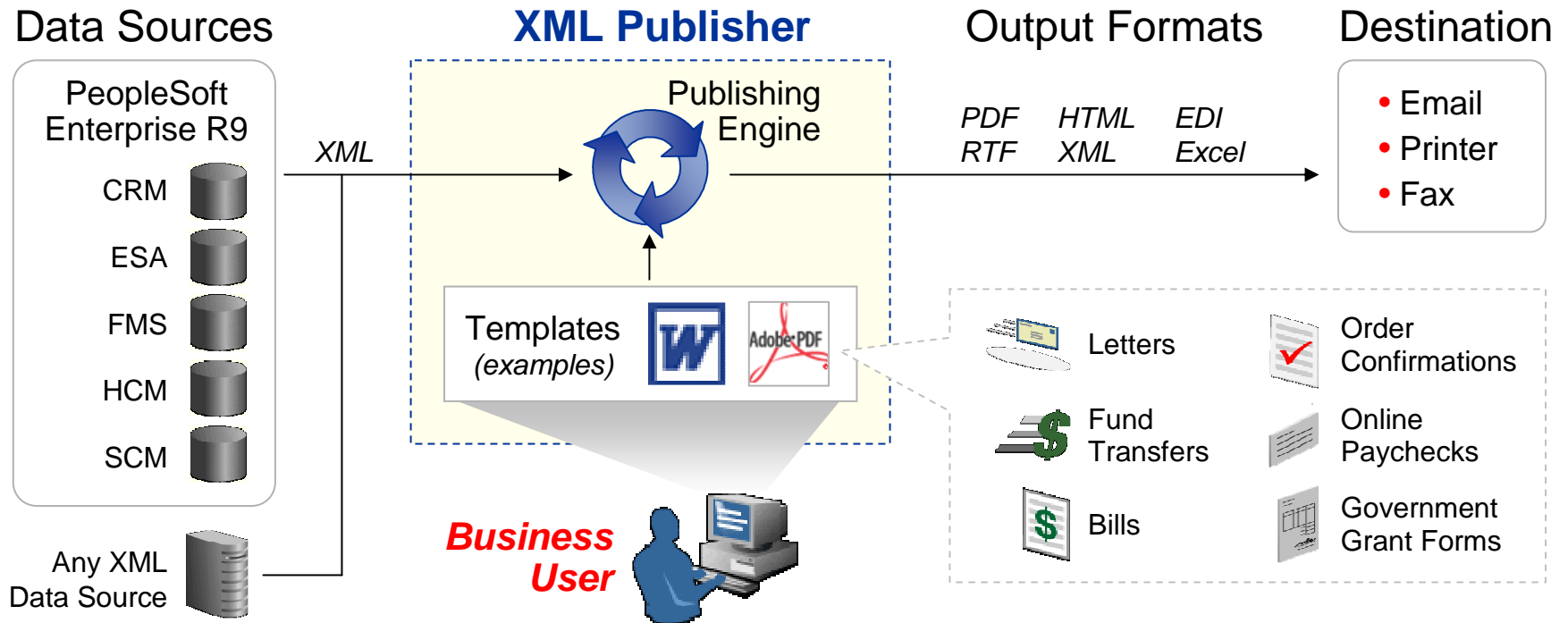


# PT8.48 – Analytic Tools

- XML Publisher
  - XML Publisher for PeopleSoft Enterprise is a template-based reporting solution that separates the data extraction process from the report layout and allows the reuse of extracted application data into multiple report layouts.
- PeopleSoft Query
  - Queries serving a data source of the same name for the PeopleSoft XML Publisher.
  - Run to Crystal functionality deprecated for BusinessObjects Enterprise XI.
  - Reordering and sorting Query fields and columns.
  - Creating Left Outer Joins
- PeopleSoft Process Scheduler
  - Integration of XML Publisher.

# XML Publisher

*Enable Business Users to Format and Deliver Documents*




***Integrate Out-of-the-Box with R9 CRM, ESA, FMS, HCM, and SCM***

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## PeopleSoft 9.0 - XML Publisher Examples

Areas	Implementation	Business Value
Grants	XML Publisher to view and print grant sponsor proposal in official format	Use of XMLP enables easy modification of form to keep up with the ever-evolving forms used by the government
Billing	Provided invoice template of the Crystal Invoice	Customers can use to easily reformat to their exacting specifications.
Service	Real time merge of correspondence management	Provides one engine for customer and employee communications that include email, letters, surveys, and order confirmation.
Recruiting	Recruiting - used to generate all the recruitment letters such as offer letters and interview invitation letters.	Puts the power of letter management in the hands of an experienced HR user while maintaining consistency across the organization.
Payables	Ability to print invoices based on a configurable template. Invoices can be printed from regular and quick voucher pages	Often used when invoices are entered from a check request.



## PT8.48 – Security

- User-level security for web services (was node level)
- Oracle LDAP SDK replaces Mozilla SDK (affects use of wallet manager for digital certificates)
- Triple DES Encryption (improved encryption for text strings/passwords, etc.)



# PT8.48 – Portal Technology

- WSRP
  - Increased WSRP-Produced Content (Pagelets, iScripts, Components) & Pagelet Wizard enhancements
  - Additional WS-Security Option (Authentication Token Type)
- Pagelet Wizard
  - Additional data types (URL, IB, IBConnector)
  - New Administrator Pagelet Edit

# Portal Enhancements – Pagelet Wizard

- Additional Pagelet Wizard Data Types.
- URL Data Type to Include RSS Newsfeeds.
- Multi-Valued Parameters for Query Data Types.
- New Administrator Pagelet Edit Capabilities.
- Thresholds Display Options for Tables.



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