“The portal as the user interface (UI) has become the most-desired UI in Fortune 2000 enterprises.”

*Gartner Research, September 2002*
Today’s Reality

Disconnected Information
- No connection between the valuable data locked in disparate systems
- Critical relationships between people and data are not readily available

Disconnected Users
- Access is difficult for partners; access alone is NOT enough
- Sub-site creation and management is a struggle

Aggregation Mindset
- Multiple Systems, Access points, and Interfaces (You can’t train everyone in all systems)
- Interactions are not optimized around a business process
Empowering the Extended Enterprise

- Disparate Information & Systems → Streamline Business Processes
- Disconnected Participants → Facilitate Community-Based Collaboration
- Aggregation Mindset → Ensure Every Decision is the Best Decision
Empowering the Extended Enterprise

Key Portal Imperatives

Streamline Business Processes

- Single Enterprise Menu
- User Defined Navigation
- Robust Integration

Facilitate Community-Based Collaboration

- Any Audience
- Easy Site Creation
- Audience Based Branding

Ensure Every Decision is the Best Decision

- Right Relationships
- Right Systems
- Right Time

Required Capabilities

- Enterprise Menu
- My Links
- Shortcut Collections
- Integration Broker
- Open Standards Support
- Pagelet Wizard
- SSO
- Sub Site Ability
- Security
- Site Management
- Distributed Administration
- Role & Site Based Branding
- Resource Finder
- Pagelet Wizard
- Integration Broker
- Intelligent Context Manager

PeopleSoft Enterprise Portal 8.8 Features
Architecture Overview

PeopleSoft Enterprise Portal

Open Portal Engine
- Standards Based
- Internet Oriented Integration
- Content and Application Retrieval
- Homepage Assembly
- Template Assembly

Web Application Server
BEA WebLogic or IBM WebSphere

Business Logic Server

Database Server

Directory Services

LDAP

HTTP(S)

Web Services
J2EE
.NET
CGI
Etc

Mainframes
Documents
Knowledge
ERP/CRM
Etc
What is Now Possible?

Streamline Business Processes
- Pre-Built and End-User Customized Navigation
- Robust Integration Capabilities

Facilitate Community-Based Collaboration
- Anywhere, Anytime access to information
- Partner, Customer, and Suppliers can participate and add value

Ensure Every Decision is the Best Decision
- Single Location for all information
- Standardized and Common interface
- “Activity Based Personalization”
Key Imperatives for Empowering the Extended Enterprise

- Streamline Business Processes
- Facilitate Community-Based Collaboration
- Ensure Every Decision is the Best Decision

Immediate bottom-line impact and rapid time to benefit
Streamline Business Processes

Simple access to the people, information and relationships across the enterprise and beyond
People-Centric Navigation

**Single Menu**
- Applications, unstructured content, web content, 3rd party systems in one place
- Single global menu for all enterprise content

**User Defined Navigation**
- Content and layout personalization by end users
- Pagelet access for alert to work information
- Favorites and Jumplinks for frequently accessed information

**Robust Integration**
- Quickly and easily access entitled 3rd party systems with Single Sign On
- Included integration tools such as Integration Broker and Pagelet Wizard

**Audiences**
- CUSTOMER
- EMPLOYEE
- PARTNER

**Access Points**
- ENTERPRISE PORTAL

**Information Sources**
- DATABASES
- FILE SYSTEMS
- ENTERPRISE APPLICATIONS
- WEB CONTENT
Content Built Around the User

How do you simplify your systems?

Multi-Tabbed Homepage

Enterprise Search & Menu

Alert-to-Work (Direct Access)

3rd Party Application Access
Facilitate Community-Based Collaboration

Optimizing customer, partner, supplier, and employee effectiveness
Multiple Audience Involvement

Any Audience
- Involve Customers, Partners, or Suppliers to participate in real-time
- Dramatically strengthen relationships with third parties
- Delivered collaborative capabilities.

Easy Site Creation
- Quickly and easily create communities of interest or practice
- Minimize the burden on IT and empower business users

Audience Based Branding
- Look and Feel can be customized to the audience
- Content is personalized and secure
Site Manager and Branding

Wizard Driven
- Step-by-step process to build a community
- End users can participate to enhance the value of the site

Leverages Existing Assets
- Existing pagelets, content, etc is reusable
- Single database for facing multiple audiences
- Similar administration to the Enterprise Portal

Tighter Relationships
- Content and Look and Feel is customized around the individual
- Easily extend your brand through the web
Ensure Every Decision is the Best Decision

Making the shift from content aggregation to user effectiveness
What makes a good decision?

**Right Relationships**
- Quickly and easily find people and resources.
- Understand relationships across the organization and beyond.

**Right Systems**
- System environments are multi-vendor.
- Applications are difficult to locate and access.
- Which system is right for which data?

**Right Time**
- Transactional systems only show transactions.
- Surrounding a decision with supporting information is necessary.
- Real-time and activity based.
Resource Finder

One Place for Everything
- Single, web accessible repository for people and information
- Accessible with security beyond your enterprise

Unlimited Participants
- Stores key information for anyone that interacts with your enterprise
- Capabilities beyond just people (products, collateral, etc.)

Understand Relationships
- End users can quickly find key relationships between the participants
- Examples:
  - What customers have worked with what partners?
  - What customers have purchased a given product?
Dynamic Personalization

- Content changes based on activity
- Beyond traditional static personalization

Subject Matter Expertise

- Arms the experts who know the content the best
- Reduces the burden of content management on IT

Better Decisions

- Surfaces information previously unknown to the user
- Formalizes best practices along a given business process

How do you empower informed decision-making?

As a user interacts with the portal...

...the Context Manager provides related information to the user’s activities.
Why PeopleSoft Portal?

• Context NOT Aggregation
• World Class Community Management
• Best Portal for Our Applications

We offer a business solution – they offer tools – it's that simple.

What every portal does…

- Collaboration
- Content Management
- Multi-Tab Homepages
- Web Access
- Search
- Role Based
- Single-Sign On
- Integration
- Syndicated News
- Personalization
Why PeopleSoft?

• **Best user experience** to optimize effectiveness along a business process

• **Pre-built support for all users** inside and outside your four walls

• **Proven architecture** for global operations with a focus on minimizing the IT burden through pre-built integrations and common services

• **A proven track record** of speed, leadership, and industry-leading customer satisfaction!

“We had a difficult time getting customers to say anything critical about PeopleSoft.”

*Lehman Brothers*

“Hands down, PeopleSoft has won the architecture debate.”

*AMR Research*
Over 600 Industry Leaders chose PeopleSoft Portal
“Our implementation of PeopleSoft's Employee Portal will enable Toyota to effectively manage the complexities of migrating to a fully collaborative and global eBusiness.”

Jim Bolte, CIO Toyota Motor Manufacturing of America

“By collaborating with our employees and suppliers through PeopleSoft's roles-based portals, Ross Stores expects to improve operational productivity and enhance supplier relationships, without increasing costs.”

John Call, Senior VP and CFO, Ross Stores
Enterprise Portal Features
Context Manager

Related Pagelets
- Autonomous
- Reusable
- Contextual
- Customizable
**Content Management - Overview**

- **Enterprise Functions & Content**
  - Submitted by Casual User
  - Pagelets Creation
  - Workflow Approvals & Notifications Enabled

- **Targeted / Subscription Based Messaging**
  - Events, Docs, Links etc
  - Workflow Enabled
  - Internal / External

- **Web Magazine**
  - Drill Thru Online Magazine
  - Multiple Publications & Issues

- **Third Party API**
Content Management – Details

Content Lifecycle
- HTML/Text
- File Attach
- Image

3rd Party CM
- XML

Menu Items
- URLs
- CREF

File & Web Servers
- XML

URLs
- Manual Content
- Spidred Content

Auto Categorization Output

Content Sources

Manage Content

Workgroups
- Publish

News Pubs
- Related Content
- Publish News

Multiple Taxonomies

Content Categorization
- Related Information
- How to Maintain Customer Information
- Show All
- Add

Context Manager Pagelet(s)

Portal Pagelets

News Publication(s)

Browse Content
Portal and Verity - Big Picture

Enterprise Portal
- Content Categorization
- Workgroups & News
- Discussion Threads
- Portal Registry

Portal Objects
- Portal and Verity - Big Picture

Process Scheduler
- VSpider
- MKVDK
- VDK

Run Time
- Collections
- Search
  - Search Administration
  - File System Indexes
  - HTTP Spider Indexes
  - Record-Based Indexes
  - Define Search Collection
  - Build Registry Search Index
  - Run Search Notification
  - Build Content Search Indexes

Portal User
- Saved Searches – email notification

Search Results
- Name
- Description
- Rating

Search
Enter search keywords separated by a comma. Use the plus icon to expand

Saved Searches
- Accounting Policy
- New Company Documents

Add a Search
Show All Enhanced...
Business Intelligence

- Report Manager
- Query Manager
- Process Scheduler
• News Feeds
• Market Information
• Other
  • RSS Support
Integration Methods

Today

- Simple Integration Methods
  - URL - Register a URL into the Portal Registry
  - HTML Pagelet Utility - Author HTML / Java Script into Pagelet
- Development Environments
  - Java - Applet, JSP & Class Invocation
  - Microsoft - ActiveX, ASP & COM
  - PeopleSoft IDE - Pages, iScripts
  - Web Services - SOAP / UDDI / XML
- Pagelet Wizard
  - Configuration of UI based on Data Sources; HTML, SQL, Java Class, Web Service
  - Flexible, XSLT based output
- Partners Solutions
  - Sierra Atlantic – Pagelet Wizard based suites of Pagelets for Oracle, SAP and Siebel
  - Vitria – Pagelet Wizard based solution to tap into their EAI connector framework

Future Deliverables

- Standards-based Integration - WSRP
  - Web services based portal standard
  - PeopleSoft is voting member of the OASIS WSRP technical committee
Homepage Pagelets

- **Pagelets**
  - Simply “Size appropriate” HTML documents
  - Accessed via a URL over HTTP
  - Designed to provide at-a-glance summary information
  - Provide links to access larger applications.

- **Can be written using:**
  - JSP
  - Servlets
  - ASP
  - HTML
  - JavaScript
  - ISAPI
  - CGI
  - Perl
  - Cold Fusion
  - TCL
  - PeopleTools
Better Integration Method Made Possible by Integration Broker
What does an integration broker do?

- Connectors
- Messaging
- Transformation
- Routing
- Monitoring
Interface
Open, flexible integration

Traditional Real-time
(synchronous)
Java, COM, C/C++

Internet Real-time
(synchronous)
XML based

Component Interface

Business Interlinks

Application Engine

Application Messaging

Internet Near real-time
(asynchronous)
XML based

Traditional Deferred
(batch)
File based
XML
CSV
Fixed
PeopleSoft Enterprise Portal 8.8

Pagelet Wizard

Homepage Pagelets

Integration Broker

Shortcut Collection

Content Mgmt

HTML

Query / SQL

Java Class

HTTP

SOAP

JMS (MQ)

Batch

Etc...

New for 8.8

Business Function and Content

Web Content

Legacy

ERP

CRM

Database

Services

EAI Vendor
Benefits

• No programming for accessing most systems
• For programmatic access, standard Java and XSLT based framework is provided

Leverage existing EAI solutions but they are not required
Architecture Overview

PeopleSoft Enterprise Portal

Web App Server
- Services
  - J2EE compliant servlets
  - Expose business services over HTTP
  - Session management
  - Bandwidth management
  - Network security (SSL/PKI)
- BEA
  - Weblogic
- IBM
  - WebSphere

Business Logic Server
- Services
  - Transactions
  - Integration
  - UI Generation
  - Portal Registry
  - Application Security
- BEA
  - Tuxedo

Database Server

Directory Services

LDAP

HTTP(S)
Shortcut Collections

Shortcut Page

Enterprise Portal
The Enterprise Portal Home page provides access to all the activities related to creating, securing, and managing custom content within the PeopleSoft Enterprise Portal.

Context Manager Pagelet

Shortcut Collection Setup

Shortcut Collection Deployment

Context Manager Admin

Pagelet Wizard (Auto)

Edit My Links

Shortcut Collection Administration

Read CREFS

Write More CREFS

Portal Registry

Page Admin / Bus Analyst

My Links

My Shortcuts

Manage Content

My Content Submissions

Access Managed Content

Checked Out

My Content History

Needs Rework

Pending Approval

Submitted for Approval

Set Up Content Management
Resource Finder – User’s Perspective

Search Dialog(s)

Participant Profile

Related Resources

Context Manager Pagelet Administration

Context Manager Pagelet
Selective data elements can be updated in the RF repository by the profile owner and/or the Portal Administrator.
PORTALnet™ from Sierra Atlantic

Pre-built Pagelets from SAP, Oracle and Siebel
Sierra Atlantic PORTALnet™

- Homepage
- Pagelet Wizard
- PeopleSoft Enterprise Portal
- Siebel Pagelets
- SAP Pagelets
- Oracle Pagelets
- PORTALnet Manager
- PORTALNet Repository
- XSLT
- Siebel Connector
  - Data Extraction Engine
- SAP Connector
  - Data Extraction Engine
- Oracle Connector
  - Data Extraction Engine
- JCI
- JRFC
- JDBC
- Java Data Bean
- BAPI
- PL/SQL
- PeopleSoft
- Sierra Atlantic
- Other

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Personalized Information

- Role-Based Access
- Personalized Content
- Personalized Layout
- Relevant Information Summarized
- Drill Down to Detail & Native Source Application UI
Sierra Atlantic PORTALnet™

Drill Down to Native UI
What are my portal deployment options to balance the needs of my stakeholders & users both inside and outside of my organization?

- **One Enterprise Portal (Uber Portal)**
- **Multiple Portal Deployments**

**Synergy**
- Role Based Content Filtering
- Role Based Branding
- Portal Site Management (Logical Portals)

**Autonomy**
Site Management

• **Enterprise Portal can host multiple sites**
  - Line of business
  - Departmental
  - Community of interest

• **Each site needs**
  - Branding – site specific or corporate
  - Homepage
  - Navigation/taxonomy
  - Search
  - Simplified administration for non-technical owner
  - Autonomy – with corporate constraints
Multi Site Architecture

PeopleSoft Enterprise Portal 8.8 (one physical instance)

Logical Portal Environments

- DEFAULT (Site 1)
- Marketing (Site 2)
- Facilities (Site 3)
- Partner (Site 4)

Portal Registry

Employee

Partner