Grey Sparling Solutions, Inc.

ORACLE PARTNER

More Advanced PeopleTools Techniques for PeopleSoft Enterprise

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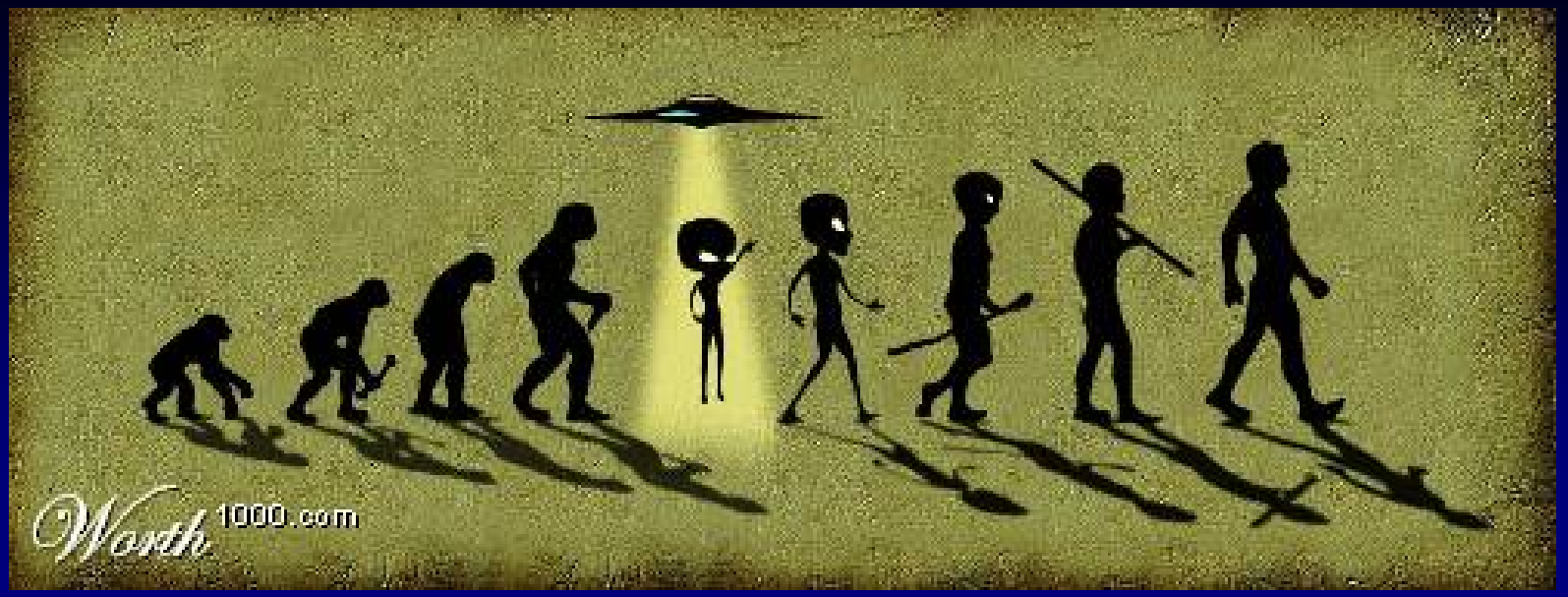


About this Session

- Hands On
- Demo Intensive
- Existing Experience with Application Designer is assumed
- Focus is on PeopleTools 8.4x
  - But techniques can be applied to earlier versions
- Don't worry about trying to type code snippets in your notes!

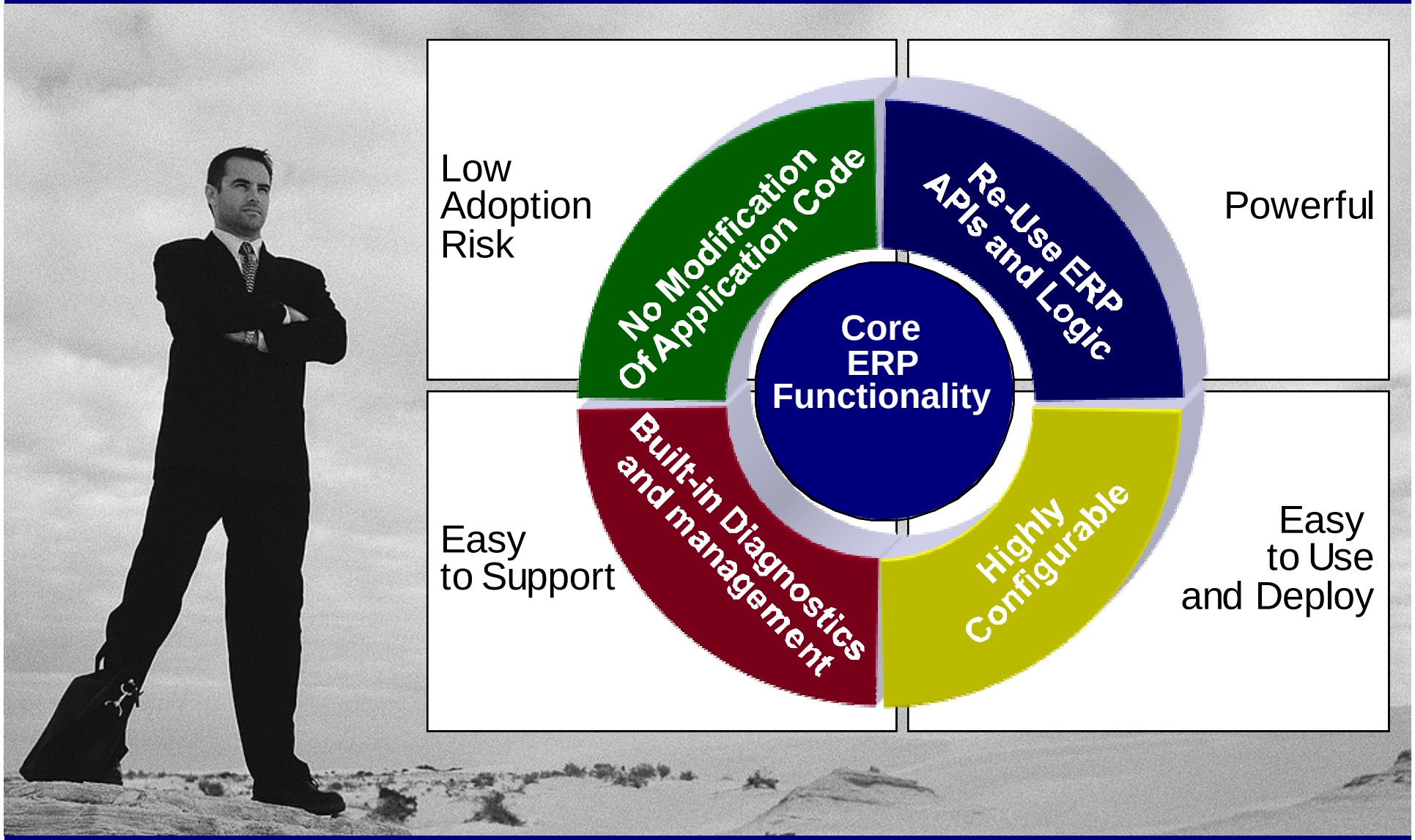
Agenda

- Introduction
- Your PeopleSoft Control Surfaces
- Security Bookmarklets
- iScripts
- HTML Areas
- Getting control of your trees

Company Highlights

- Founded in April 2005
- Founded by the people who ran PeopleTools
- 25 Customers on 2 continents
- 11 Products
- The PeopleSoft Experts
  - Top ranked PeopleSoft weblog on the internet
  - Asked by Oracle to present at major conferences and user groups

Product Approach



We Enhance ERP Applications

Reporting and Business Intelligence

- HoverBoards
- Report Explorer
- Excel Add-in
- ERP Report Security and Distribution
- Report Retention Manager
- Tree Alignment Assistant
- Report Context Manager

Security

- Desktop Single Signon
- ERP Firewall
- ERP Security Workbench

Developer Productivity

- PeopleSoft IDE Helper
- PeopleSoft Version Control

Architecture

We Plug into your ERP or BI Infrastructure

ERP / BI Infrastructure

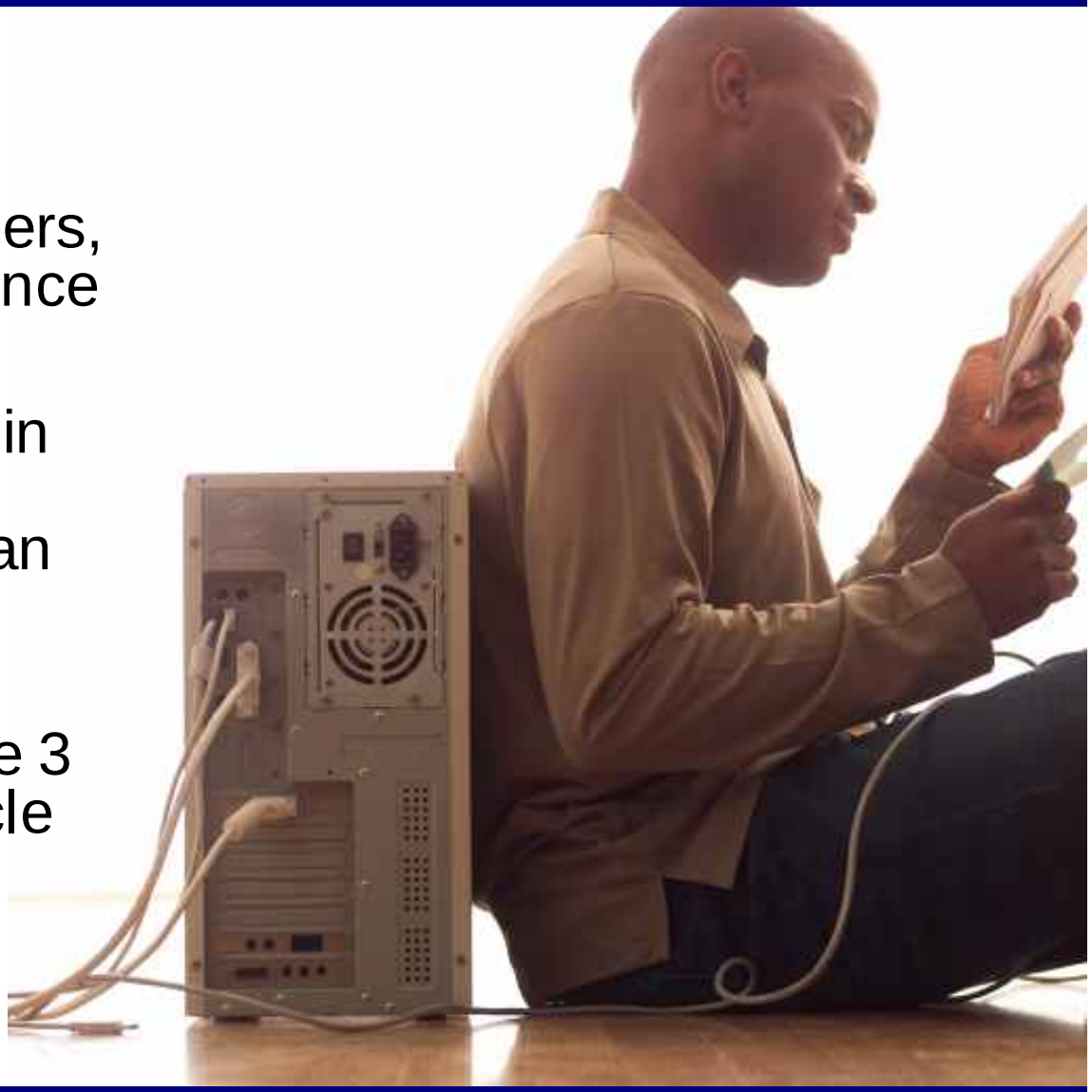
Client Plug-in Framework	Excel Add-in Context Helper Version Control PSIDE Helper

Web Server Plug-in Framework	Hover Boards ERP Firewall Single Signon

Business Logic Plug-in Framework	Report Explorer Report Security and Dist Security Workbench Tree Alignment Assistant

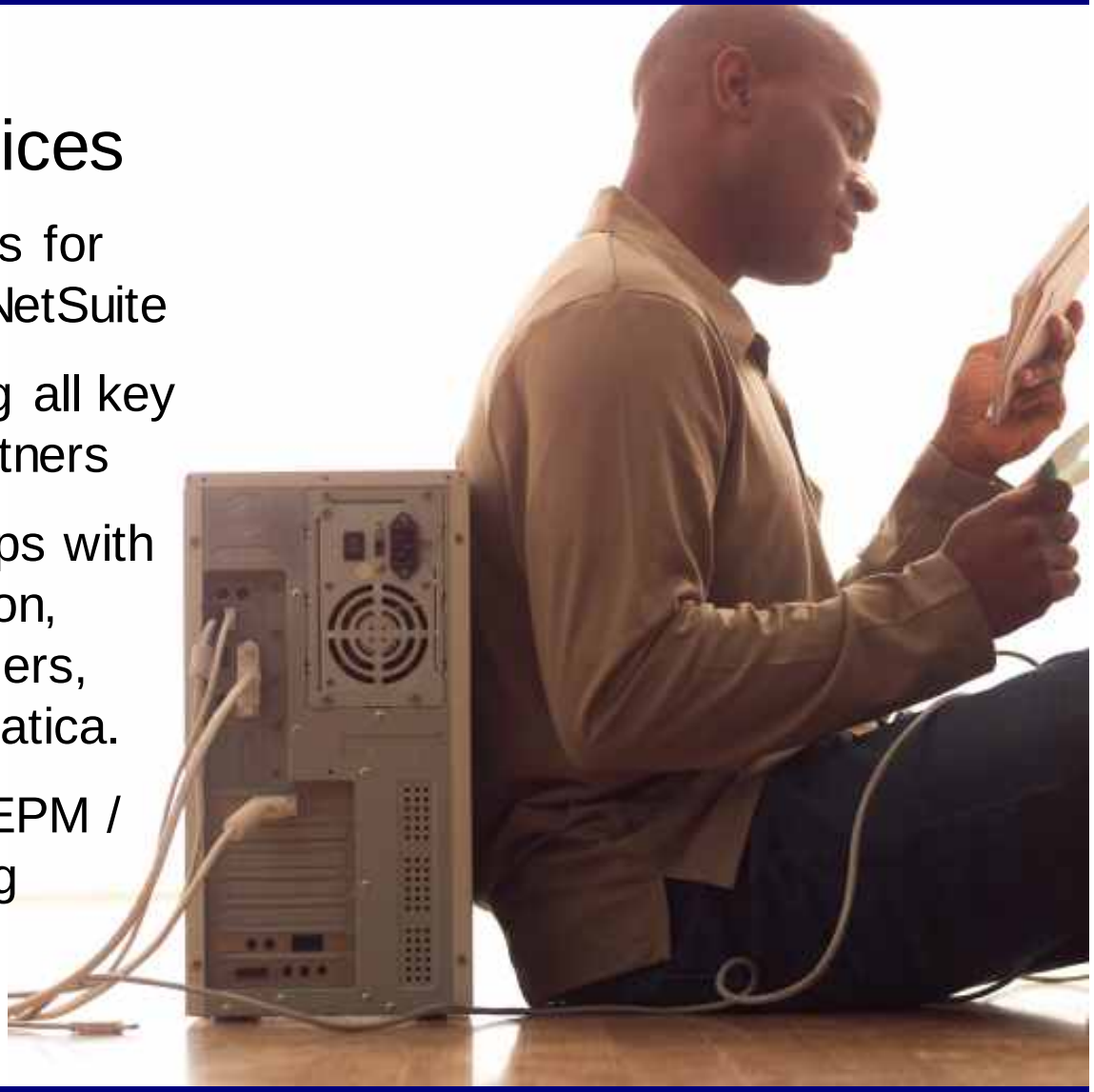
More about the Founders

- ERP Technology Experts
  - PeopleTools Developers, Product Strategists since 1994
  - Recognized Leaders in Reporting tools and technology - More than 200 conference presentations
  - Initial Architects of the 3 top Features for Oracle Fusion



More about the Founders

- Industry Leaders in Reporting Best Practices
  - Defined reporting solutions for Oracle, PeopleSoft, and NetSuite
  - Extensive contacts among all key Business Intelligence Partners
  - Managed ERP partnerships with Business Objects, Hyperion, Cognos, Information Builders, Microstrategy, and Informatica.
  - Architects of PeopleSoft EPM / Data Warehousing leading practices



Your PeopleSoft Control Surfaces

Your PeopleSoft Control Surfaces

Client JavaScript
- Bookmarklets
- Browser Plug-ins (GreaseMonkey)

VBA and Excel Add-ins

Web Server Plug-ins *(See Oracle App Labs)*
- MonkeyGrease
- Custom Web Server Plug-ins (with Java)

Application Embedded JavaScript

IScripts

PeopleCode (batch and Online)
- Java Bindings
- Object Classes

Custom Process Types

VBA and Excel Add-ins

Security Drilling / Portal Administration Drilling

Understanding Bookmarklets

- Mini Javascript programs that execute in the context of the current page
- See http://www.bookmarklets.com/ for examples
- Has to be one line of JavaScript as a browser favorite

Security Drill Bookmarklet Expanded

```
var w = window.frames['TargetContent'];
if (!w) { w = window; }
if (w.strCurrUrl.search(/PAGE=([A-Z0-9_]+)/)>0) {
    document.location =
'/psc/ps/EMPLOYEE/ERP/q/?ICAction=ICQryNameURL=PUB
LIC.PT_SEC_PAGES_PLIST&BIND2=' + RegExp.$1;
}
else {
    alert('Could not figure out page name.');
}
```

Enhancing PeopleSoft User Experience

Enhancing PeopleSoft User Experience

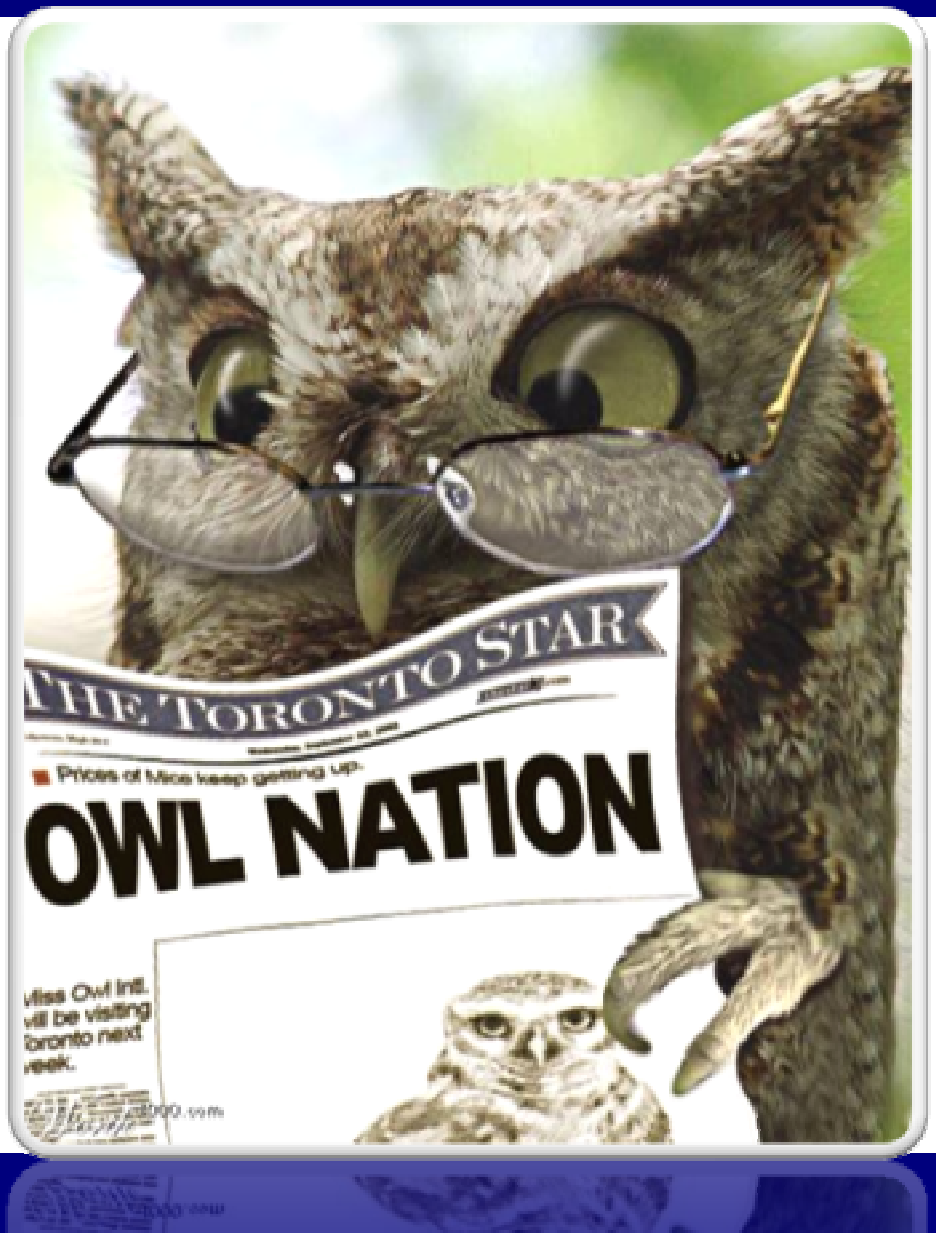
- Judicious use of JavaScript on PeopleSoft generated pages
- Multiple ways to add JavaScript
  - HTML Areas
  - Web Server plugins
  - PeopleTools HTML objects

Minimizing impact with JavaScript

```
function addEvent(obj, evType, fn, useCapture){
  if (obj.addEventListener){
    obj.addEventListener(evType, fn, useCapture);
    return true;
  } else if (obj.attachEvent){
    var r = obj.attachEvent("on"+evType, fn);
    return r;
  } else {
    alert("Handler could not be attached");
  }
}
addEvent(document, "keydown", function (e) { gridKeyHandler(e); }, false);
```

```
function gridKeyHandler(evt) {
   evt = getEvent(evt);
   var src = getEventSource(evt);
   if (typeof src === "undefined") { return; }
   var key = evt.keyCode;
   if (key === 38 || key === 40) {
     var tokens = /(.+)\$(\d+)/.exec(src.id);
     var newRowNbr = parseInt(tokens[2]) + ((key === 38) ? -1 : 1);
     var moveToID = tokens[1] + '$' + newRowNbr;
     var moveTo = document.getElementById(moveToID);
     if (moveTo) {  moveTo.focus(); }
   }
}{ gridKeyHandler(e); }, false);
```

Dynamic Tracing with Iscripts



Dynamic Tracing

- Leverage iScript capabilities to avoid tracing an entire session

```
Function IScript_PCTraceOff()
   SetTracePC(0);
End-Function;

Function IScript_PCTraceAll()
   SetTracePC(3596);
End-Function;
```

Getting more from your Trees

Tree Classes

- Control Trees through PeopleCode
  - Use Trees to Prompt for values
  - Programmatically generate or modify trees
  - Determine whether trees contain values

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Questions?

http://blog.greysparling.com → Read our Blog for code of reports shown and other tips and techniques

Additional Information

- How to get Windows Services Manager
  - Send email to: PHRUG_WSSM@GreySparling.com
- How to get PSIDE helper
  - Send email to: PHRUG_PSIDE@GreySparling.com
- Read our Blog for tips and techniques
  - http://blog.greysparling.com