



Rolling RtWebParts, Gathering MOSS in the Process

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Agenda

- What is RtWebParts?
- What is SharePoint?
- What is RtBaseline Services?
- What do the RtWebParts do?
- What's new?
- What's next?

What is RtWebParts?

- RtWebParts – PI on the Web



- ▶ Relies on the Microsoft SharePoint Portal Platform
- ▶ Gets Data from RtBaseline Services

What is SharePoint?

- SharePoint is a Platform from Microsoft
 - ▶ Windows SharePoint Services 3.0 (WSS3)
 - ▶ Microsoft Office SharePoint Server 2007 (MOSS)
 - Previously Called SharePoint Portal Server (SPS)
(Windows SharePoint Services v2.0)



RtBaseline Services?

- Data from...

- ▶ PI Servers



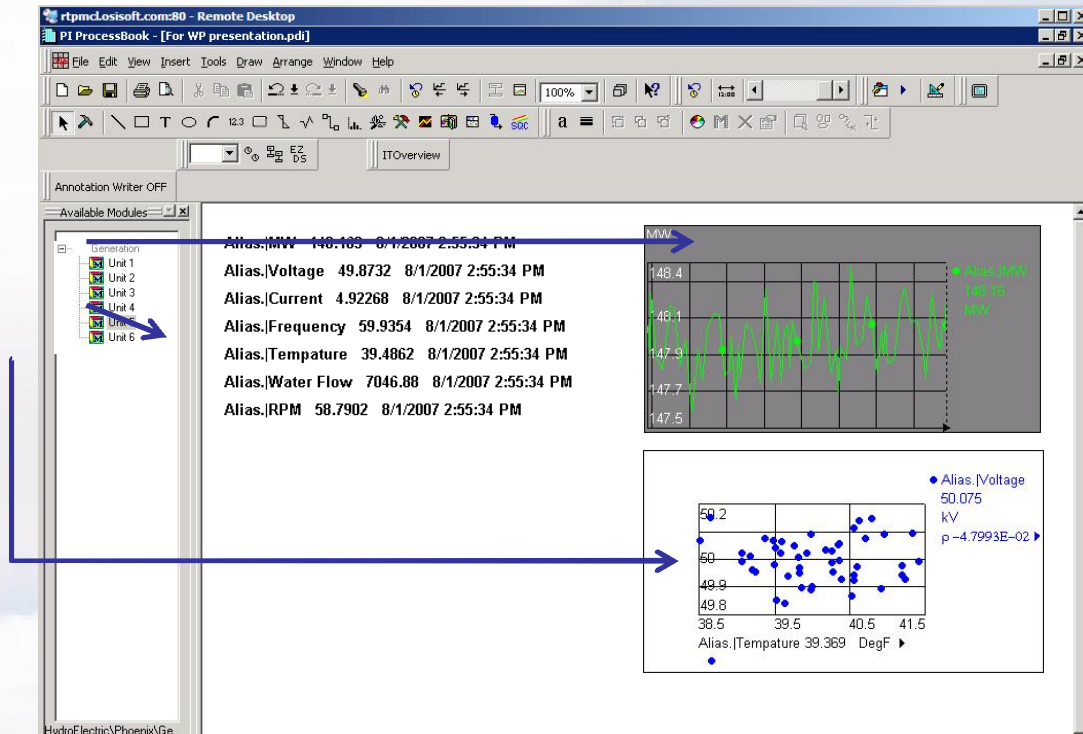
- ▶ Relational Databases



- ▶ Web Services

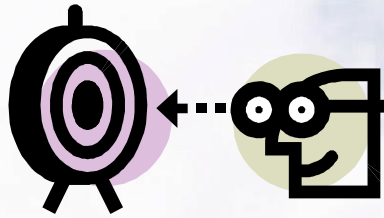
WSDL

What are Web Parts?



Types of RtWebParts

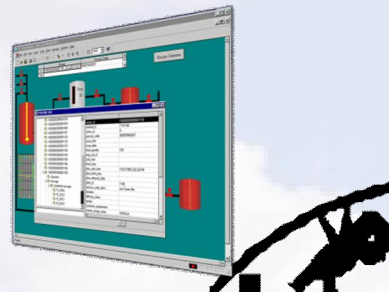
- Set Context



- Display Data

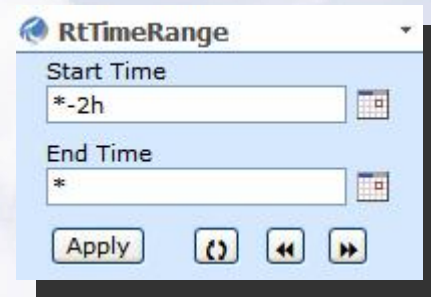


- Leverage ProcessBook



Setting Context

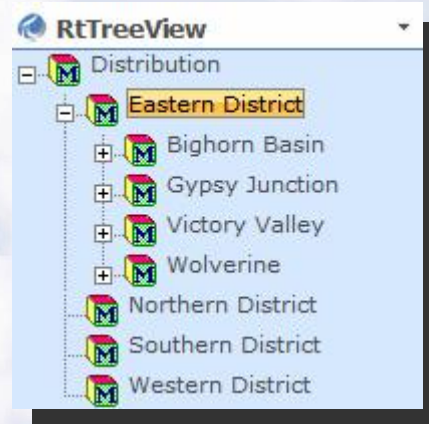
- **RtTimeRange**



The screenshot shows a dialog box titled "RtTimeRange". It contains two input fields: "Start Time" with the value "*-2h" and "End Time" with the value "*". Each input field has a small calendar icon to its right. At the bottom of the dialog, there is an "Apply" button and three navigation buttons: a circular arrow (refresh), a double left arrow (previous), and a double right arrow (next).

Setting Context

- RtTimeRange
- **RtTreeView**



Setting Context

- RtTimeRange
- RtTreeView
- **RtTable**

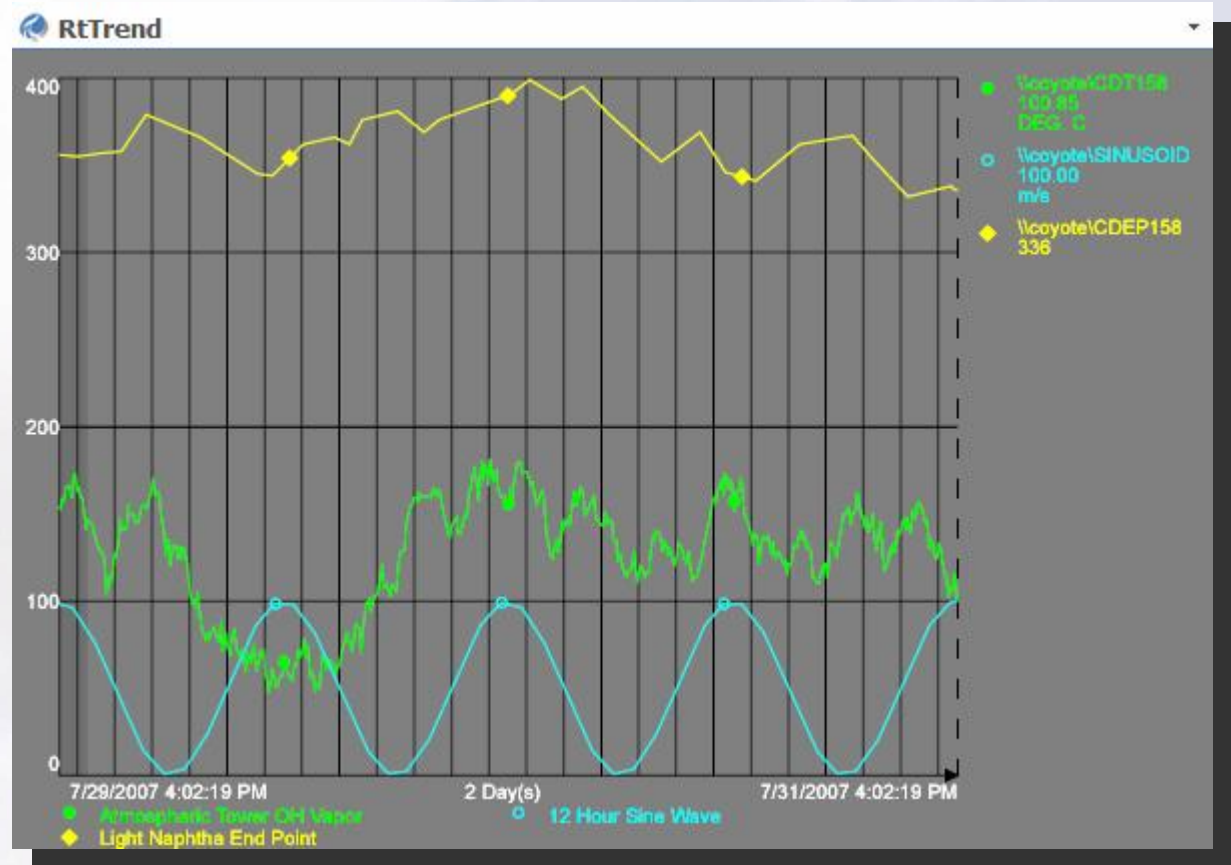


The screenshot shows the 'RtTable' application window. It contains a table with five columns: 'PI Point', 'Time', 'Current Value', 'Alarm Time', and 'Alarm Limit'. The first five rows have green backgrounds, indicating active or alarm states. The 'Current Value' column for these rows contains values like 9419.2, 2943.3, 6999, 5216.9, and 4999.9. The 'Alarm Time' column for these rows contains timestamps like '8/1/2007 2:26:18 PM'. The last three rows have white backgrounds and show values like 5063.3, 2635.5, and 3065.8 in the 'Current Value' column.

PI Point	Time	Current Value	Alarm Time	Alarm Limit
\\rtmpm\CD:F144	8/1/2007 3:02:34 PM	9419.2	8/1/2007 2:26:18 PM	9300
\\rtmpm\CD:F162	8/1/2007 3:08:34 PM	2943.3	8/1/2007 12:09:31 PM	2800
\\rtmpm\CD:F163	8/1/2007 3:07:04 PM	6999	8/1/2007 1:13:45 PM	6800
\\rtmpm\CD:F165	8/1/2007 3:08:34 PM	5216.9	8/1/2007 3:08:14 PM	5100
\\rtmpm\CD:F169	8/1/2007 3:03:04 PM	4999.9	8/1/2007 1:00:39 PM	4800
\\rtmpm\CD:F170	8/1/2007 3:08:04 PM	5063.3		
\\rtmpm\CD:F171	8/1/2007 3:06:34 PM	2635.5		
\\rtmpm\CD:F172	8/1/2007 3:08:04 PM	3065.8		

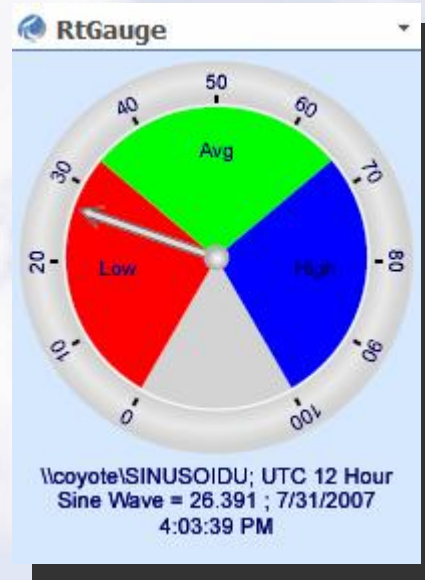
Displaying Data

● RtTrend



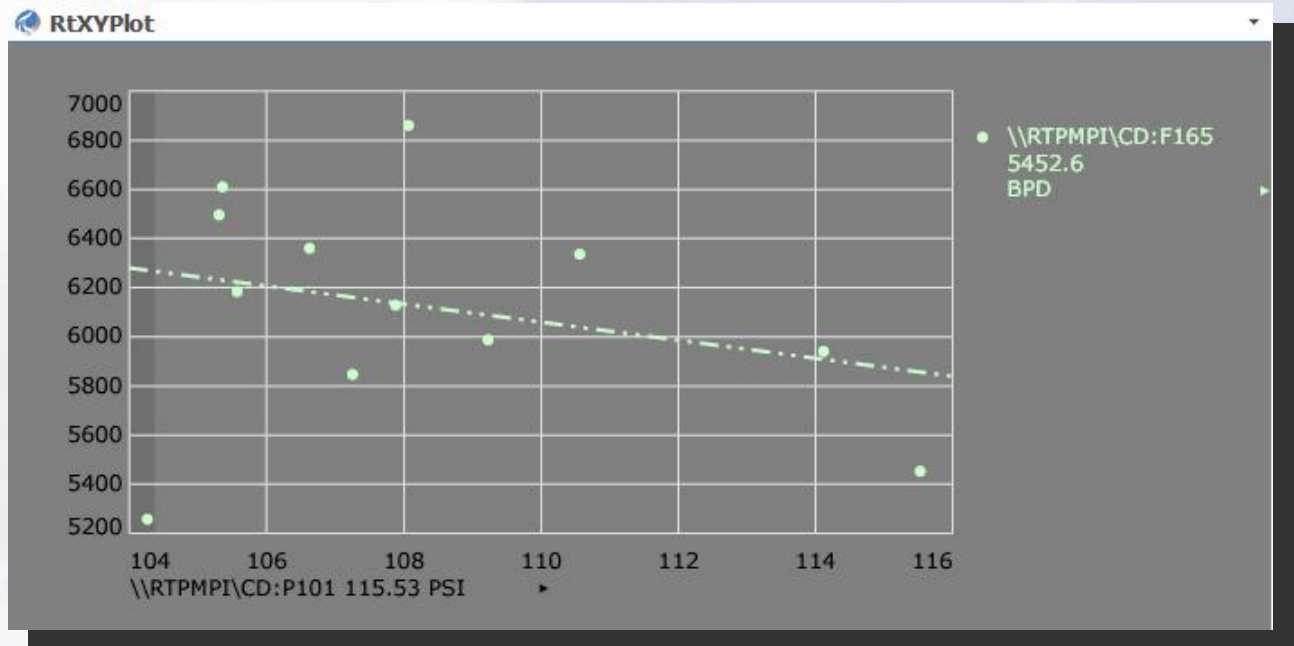
Displaying Data

- RtTrend
- **RtGauge**



Displaying Data

- RtTrend
- RtGauge
- **RtXYPlot**



Displaying Data

- RtTrend
- RtGauge
- RtXYPlot
- **RtMessenger**



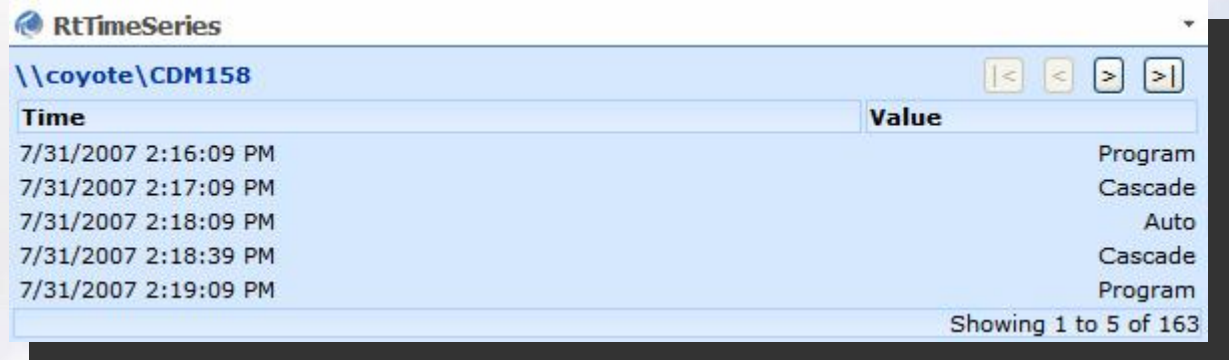
Still Displaying Data

- RtValues



Still Displaying Data

- RtValues
- **RtTimeSeries**



The screenshot shows a window titled "RtTimeSeries" with a path bar displaying "\\coyote\CDM158". Below the path bar is a table with two columns: "Time" and "Value". The table contains five rows of data. Navigation buttons (|<, <, >, >|) are located to the right of the path bar. The status bar at the bottom right indicates "Showing 1 to 5 of 163".

Time	Value
7/31/2007 2:16:09 PM	Program
7/31/2007 2:17:09 PM	Cascade
7/31/2007 2:18:09 PM	Auto
7/31/2007 2:18:39 PM	Cascade
7/31/2007 2:19:09 PM	Program

Still Displaying Data

- RtValues
- RtTimeSeries
- **RtTable**

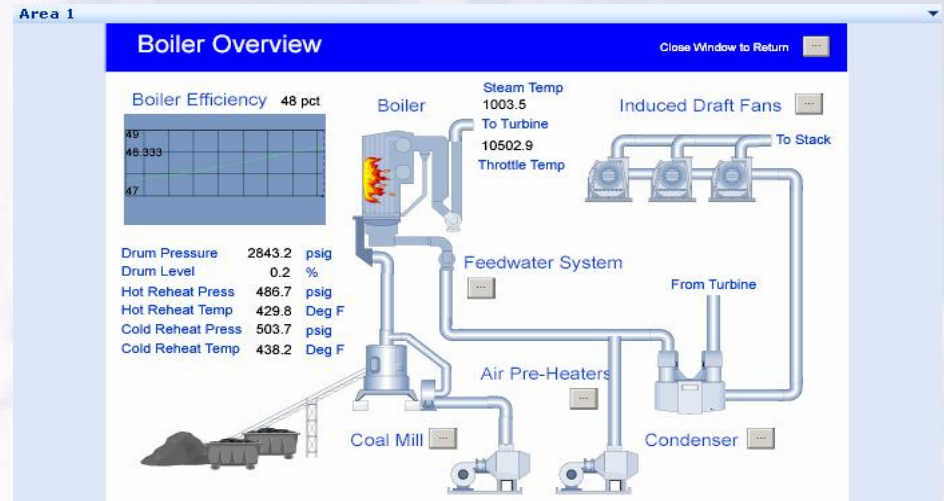


The screenshot shows a window titled "RtTable" with a green checkmark icon. It contains a table with five columns: "PI Point", "Time", "Current Value", "Alarm Time", and "Alarm Limit". The table lists data for eight different process points, with the first five rows having green highlights in the "Current Value" column.

PI Point	Time	Current Value	Alarm Time	Alarm Limit
\\rtmpm\CD:F144	8/1/2007 3:02:34 PM	9419.2	8/1/2007 2:26:18 PM	9300
\\rtmpm\CD:F162	8/1/2007 3:08:34 PM	2943.3	8/1/2007 12:09:31 PM	2800
\\rtmpm\CD:F163	8/1/2007 3:07:04 PM	6999	8/1/2007 1:13:45 PM	6800
\\rtmpm\CD:F165	8/1/2007 3:08:34 PM	5216.9	8/1/2007 3:08:14 PM	5100
\\rtmpm\CD:F169	8/1/2007 3:03:04 PM	4999.9	8/1/2007 1:00:39 PM	4800
\\rtmpm\CD:F170	8/1/2007 3:08:04 PM	5063.3		
\\rtmpm\CD:F171	8/1/2007 3:06:34 PM	2635.5		
\\rtmpm\CD:F172	8/1/2007 3:08:04 PM	3065.8		

Leveraging ProcessBook

- RtGraphic
 - ▶ SVG-Based
 - ▶ Lightweight
- RtActiveView
 - ▶ Supports PDIs
 - ▶ Requires ActiveView License & Installation

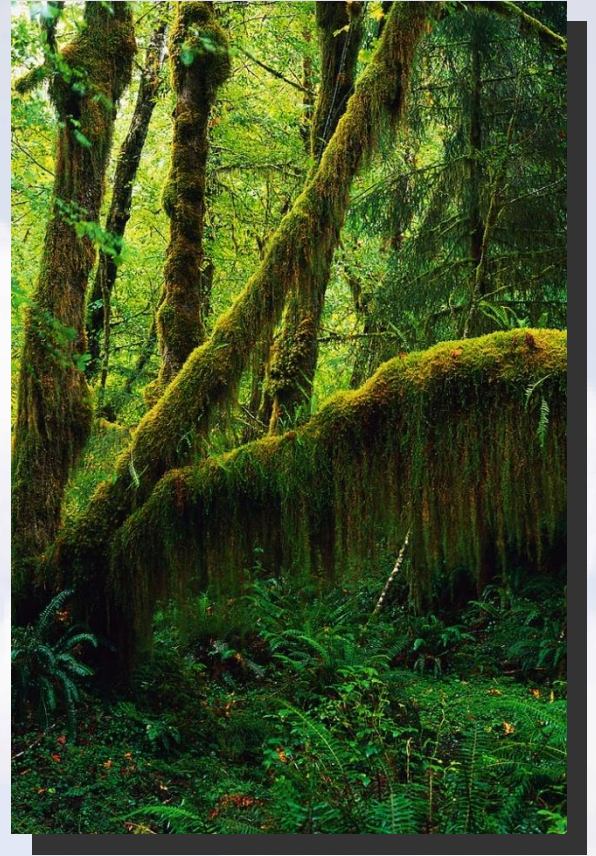


What's new (in RtWebParts v1.2)?

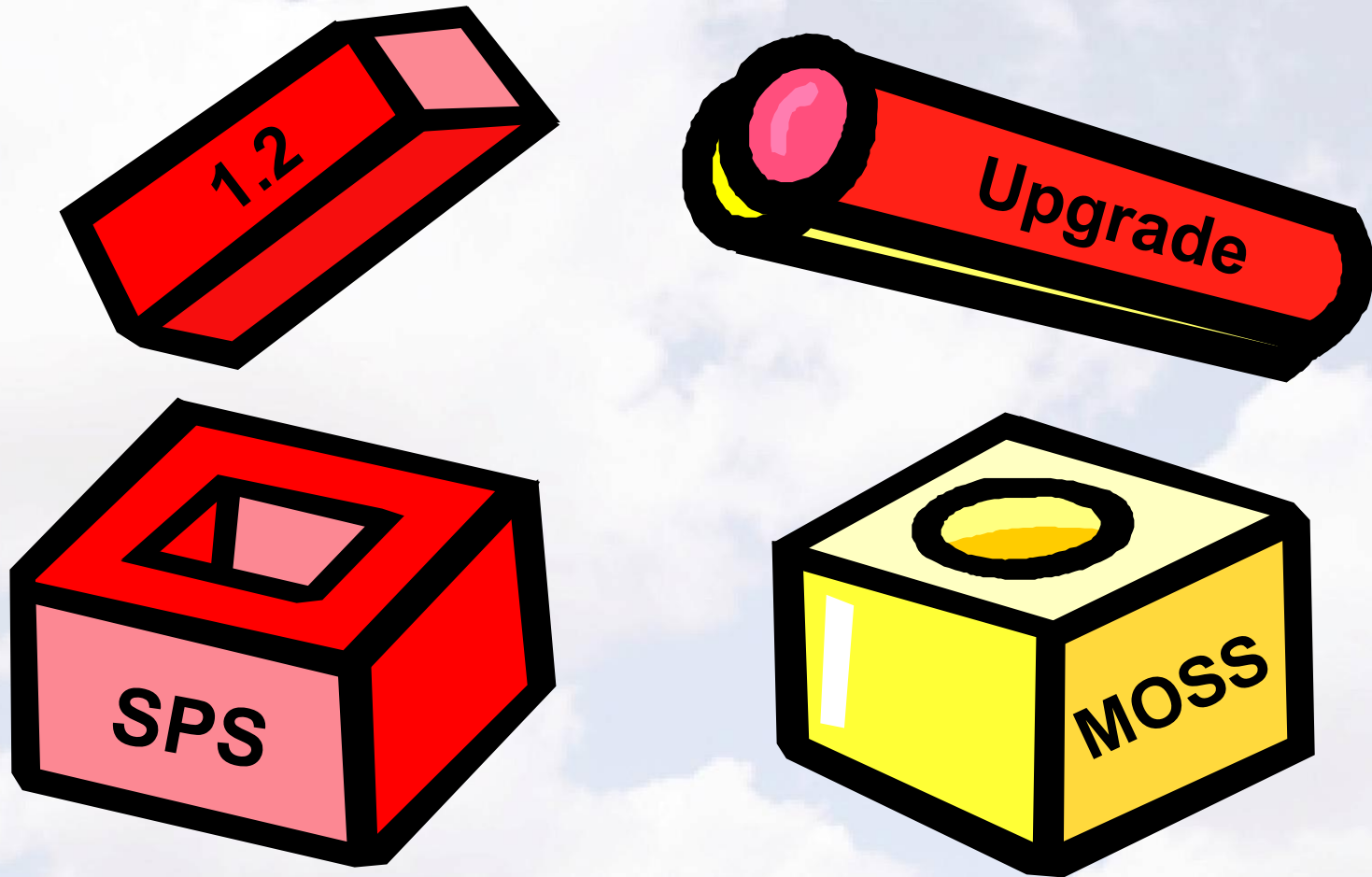
- Released January 10, 2007
 - ▶ **High Availability**
 - ▶ Expensive Query Handling
 - ▶ Complex Web Service Support
 - ▶ RtGraphic Support for Multistate Symbols
 - ▶ Japanese Language Pack

What's new (in RtWebParts v2.0)?

- Released June 21, 2007
- MOSS!
 - ▶ Workflow
 - ▶ Content Management
 - ▶ Excel Web Access Web Part
- New Ad hoc Trend
(URL-Configurable)



Why two versions?



Demo



What's next?

- RtWebParts v2.1
 - ▶ Contextual Web Part for Batch Searching
 - ▶ Tabular Web Part Enhancements
- RtWebParts v2.2
 - ▶ AF 2.0
 - ▶ PI Notifications
 - ▶ Silverlight
 - ▶ Language Packs

Why is this cool?

- Reach
- No Client Install*
- Leverage ProcessBook Investment
- In-Context Navigation
- Not Just PI Data
- Configurability & Connectivity

VOYAGE2007



***Thank
You***

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VALUE NOW, VALUE OVER TIME