



PDMReport

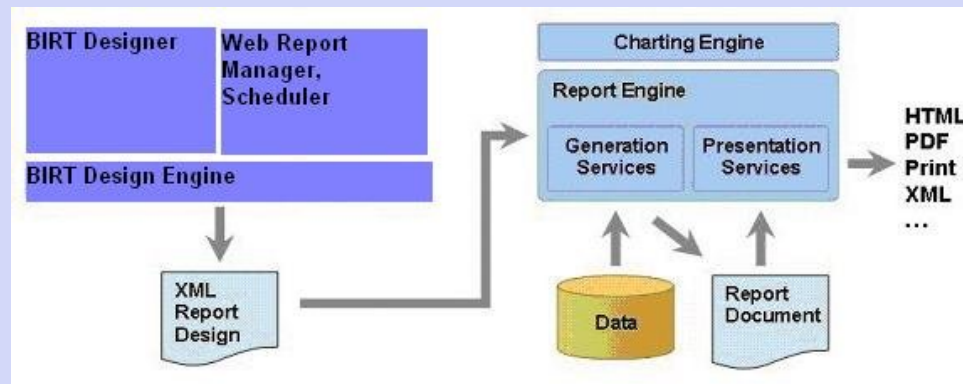
(PLM, CAD Reporting & Search Software)

Product Introduction

Prasad - May 2007

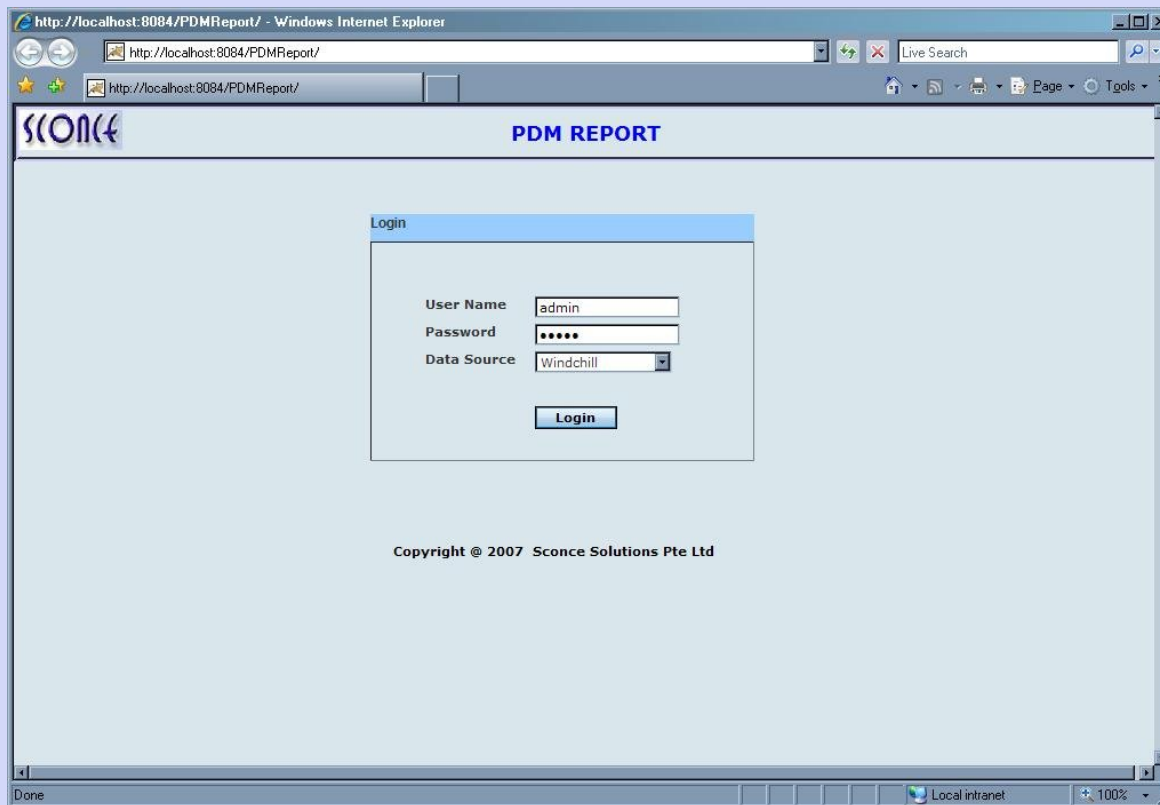
PDMReport – Total Reporting & Search Solution

- PDMReport is an integrable high performance reporting solution to easily design and generate reports from PLM/ERP systems. PDMReport extracts data from various data sources (Windchill, UGS, SAP, XMLDB, Pro/Engineer etc), process that data, and present the information to the end users in html or pdf format
- Comes with a predefined set of basic reports and has the flexibility to extend to any complex reports with stylish output format
- Industry specific reports package to support quicker implementation for Automotive and Electronics manufacturing
- Intelligent search and extract information from source systems



PDMReport – Secured Login

- Login to PDMReport is secured through a standard authentication mechanism
- PDMReport is a generic reporting tool designed for Windchill, TeamCenter, SAP, RDBMS, and XML files. From single UI user will be able to access different Contexts or Data Source that represent the source system.



PDMReport – User Management

- Users can be added, edited and deleted
- Users have roles such as admin/user. Depending on the user role access to admin/user functionalities are restricted

The screenshot displays the PDMReport application interface within a Windows Internet Explorer browser. The address bar shows the URL: `http://localhost:8084/PDMReport/faces/scheduler/ListSchedule.jsp`. The application header includes the SCONCE logo and the title "PDM REPORT". Below the header, there are navigation tabs for "User Management", "Group Management", "Report Management", "Report Generation", "Schedule Management", and "Scheduled Reports". The "User Management" tab is active, showing a search bar with the text "Enter a key word to search..." and a "Search" button. Below the search bar, there is a section titled "List of Users" with a table of user information. The table has columns for "Select", "User Name", "Role", "First Name", "Last Name", "Department", "Email ID", "Contact Number", "Creation Date", and "Last Modification Date". There are also buttons for "Delete Selected" and "Add New User" above and below the table. Each row in the table has an "Edit" button.

Select	User Name	Role	First Name	Last Name	Department	Email ID	Contact Number	Creation Date	Last Modification Date	
<input type="checkbox"/>	admin	admin	Jess	Kaur	IT	admin@sconce.com.sg	63897453	Apr 11, 2007 11:57:21 AM	Apr 11, 2007 1:24:03 PM	Edit
<input type="checkbox"/>	user_design	User	Ray	Thomas	IT	ray@sconce.com	65238902	Apr 11, 2007 12:30:33 PM	Apr 19, 2007 3:40:13 PM	Edit
<input type="checkbox"/>	user_production	user	Rob	Watterson	IT	rob@sconce.com	61289053	Apr 11, 2007 1:10:06 PM	Apr 11, 2007 1:25:10 PM	Edit
<input type="checkbox"/>	user_test	user	Jamie	Williams	IT	jamie@sconce.com	780-21234	Apr 11, 2007 1:10:49 PM	Apr 11, 2007 1:26:15 PM	Edit

PDMReport – Group Management

- Users can be grouped under one or more groups
- Reports are assigned to the groups and users belonging to that group are allowed to access the groups. Thus the reports are easily classified for access

The screenshot shows a web browser window displaying the PDMReport Group Management interface. The browser address bar shows the URL: `http://localhost:8084/PDMReport/faces/userManagement/UsersList.jsp`. The page header includes the SCION logo and the text "PDM REPORT". Below the header, there are navigation tabs for "User Management", "Group Management", "Report Management", "Report Generation", and "Schedule Man". A search bar is present with the text "Enter a key word to search..." and a "Search" button. The main content area is titled "List of Groups" and contains a table with the following data:

Select	Group Name	Creation Date	Last Modification Date		
<input type="checkbox"/>	Design	Apr 19, 2007 6:03:47 PM	Apr 19, 2007 6:03:47 PM	View Users	<input type="button" value="Edit"/>
<input type="checkbox"/>	Production	Apr 19, 2007 6:03:53 PM	Apr 19, 2007 6:03:53 PM	View Users	<input type="button" value="Edit"/>
<input type="checkbox"/>	Testing	Apr 19, 2007 6:03:58 PM	Apr 19, 2007 6:03:58 PM	View Users	<input type="button" value="Edit"/>

Below the table, there are buttons for "Delete Selected" and "Add New Group".

PDMReport – Report Management

- After designing the reports using BIRT Report Designer the report template should be uploaded to the Report Repository using the Web Report Manager
- New Report will add the report document to the Report Repository
- Users can then use them and generate report through web

The screenshot shows the PDM REPORT web application interface. At the top, there is a navigation menu with tabs: User Management, Group Management, Report Management, Report Generation, Schedule Management, and Scheduled Reports. Below the menu is a search bar with the text "Enter a key word to search..." and a "Search" button. The main content area is titled "List of Reports" and contains a table with columns: Select, Report Name, Report Description, Report Type, Design Document, Creation Date, and Last Modification Date. There are also buttons for "Delete Selected" and "Add New Report".

Select	Report Name	Report Description	Report Type	Design Document	Creation Date	Last Modification Date	
<input type="checkbox"/>	slb_table	SLB Report	SINGLE LEVEL BOM	slb.rptdesign	Apr 19, 2007 6:04:49 PM	Apr 19, 2007 6:04:49 PM	Edit
<input type="checkbox"/>	mlb_table	MLB report	MULTI LEVEL BOM	mlb.rptdesign	Apr 19, 2007 6:05:08 PM	Apr 19, 2007 6:10:50 PM	Edit
<input type="checkbox"/>	process_pie	Process Status in pie format	PROCESS STATUS	process_pie.rptdesign	Apr 19, 2007 6:05:42 PM	Apr 19, 2007 6:05:42 PM	Edit
<input type="checkbox"/>	process_bar	Process status in bar format	PROCESS STATUS	process_bar.rptdesign	Apr 19, 2007 6:06:03 PM	Apr 19, 2007 6:06:22 PM	Edit
<input type="checkbox"/>	users_table	List of Users	USERS	users.rptdesign	Apr 19, 2007 6:06:48 PM	Apr 19, 2007 6:06:48 PM	Edit
<input type="checkbox"/>	search_bar	Search	SEARCH	search_bar.rptdesign	Apr 19, 2007 6:07:04 PM	Apr 19, 2007 6:07:04 PM	Edit
<input type="checkbox"/>	search_pie	Search	SEARCH	search_pie.rptdesign	Apr 19, 2007 6:07:26 PM	Apr 19, 2007 6:07:26 PM	Edit

The screenshot shows the "New Report" form in the PDM REPORT web application. The form has a title bar "PDM REPORT" and a navigation menu with tabs: Management, Report Management, Report Generation, and Schedule Management. The form contains the following fields:

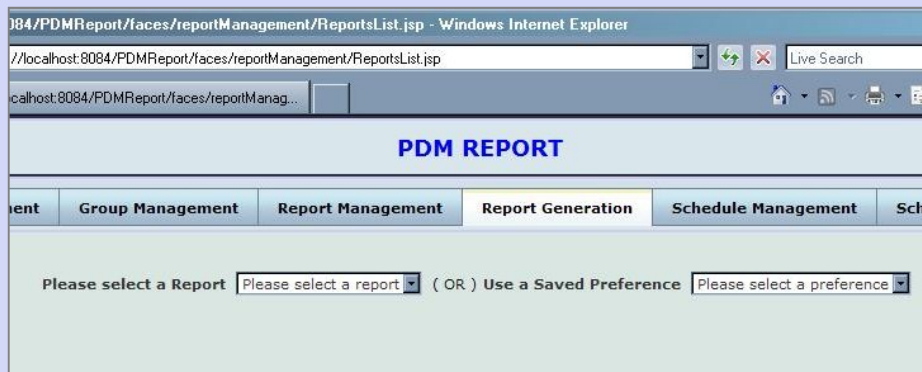
- Report Name: Multi Level New
- Report Description: Multi Level BOM - For Testing
- Report Type: MULTI LEVEL BOM
- Design Document: D:\rpt\mlb.rptdesign

There are "Upload Report" and "Cancel" buttons at the bottom of the form.

Upload Design to Repository

PDMReport – Report Generation

- All the available reports for the user will be listed for the user
- Once the user selects the report, the required parameters are automatically captured from the report design file
- User can input the parameters and either Generate or Schedule the report



The screenshot shows the 'SINGLE LEVEL BOM' report generation interface. It features a table with columns for Name, Number, Version, and Lifecycle. The table lists various components and their associated report files.

Name	Number	Version	Lifecycle
contact_power.asm	CONTACT_POWER.ASM	A0	Basic
angle.prt	ANGLE.PRT	A0	Basic
cover_relay.prt	COVER_RELAY.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
blank.prt	BLANK.PRT	A0	Basic
p_head.prt	P_HEAD.PRT	A0	Basic
zip_5.prt	ZIP_5.PRT	A0	Basic
zip_7-5.prt	ZIP_7-5.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
power_box.asm	POWER_BOX.ASM	A0	Basic
conn_9_cm.prt	CONN_9_CM.PRT	A0	Basic
blank.prt	BLANK.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
ry1b0007.asm	RY1B0007.ASM	A0	Basic
relay_base.prt	RELAY_BASE.PRT	A0	Basic
cabling.asm	CABLING.ASM	A	Basic
d_contact.prt	D_CONTACT.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
power.prt	POWER.PRT	A0	Basic
blank.prt	BLANK.PRT	A0	Basic
conn_2_ms.prt	CONN_2_MS.PRT	A0	Basic
conn_2_ms.prt	CONN_2_MS.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
contact_power.asm	CONTACT_POWER.ASM	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
splICE_2-1.prt	SPLICE_2-1.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
pan_head.prt	PAN_HEAD.PRT	A0	Basic
zip_7-5.prt	ZIP_7-5.PRT	A0	Basic
conn_9_cm.prt	CONN_9_CM.PRT	A0	Basic
clip.prt	CLIP.PRT	A0	Basic
contact_power.asm	CONTACT_POWER.ASM	A0	Basic

The screenshot shows the 'Details' section of the report generation interface. It includes fields for Report Name, Report Description, Required Attributes, and Report Type. There are also buttons for 'Generate Report' and 'Schedule', and a checkbox for 'Save this Preference?'.

Details :

Report Name: slb_table

Report Description: SLB Report

Required Attributes: cadName: cabling.asm

Report Type: HTML PDF

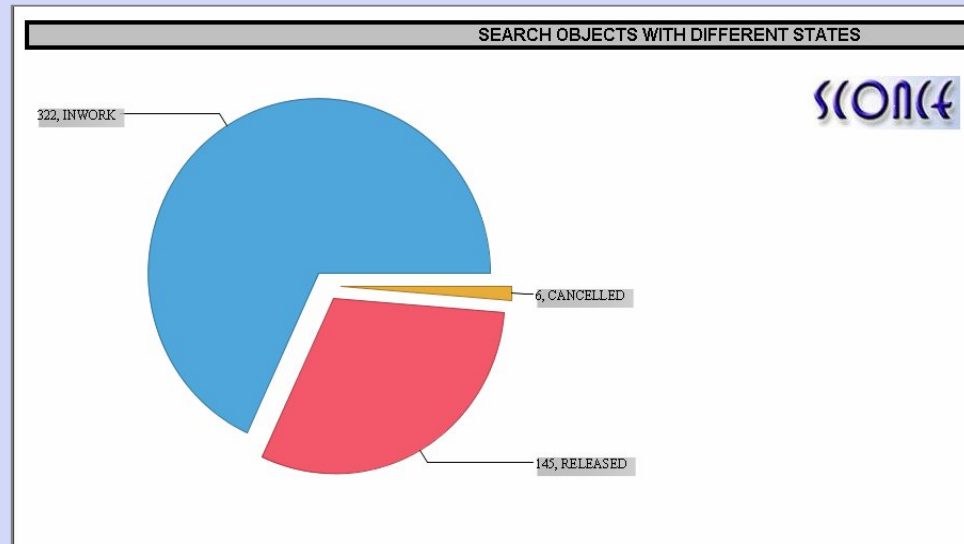
Save this Preference ?

Generate Report **Schedule**

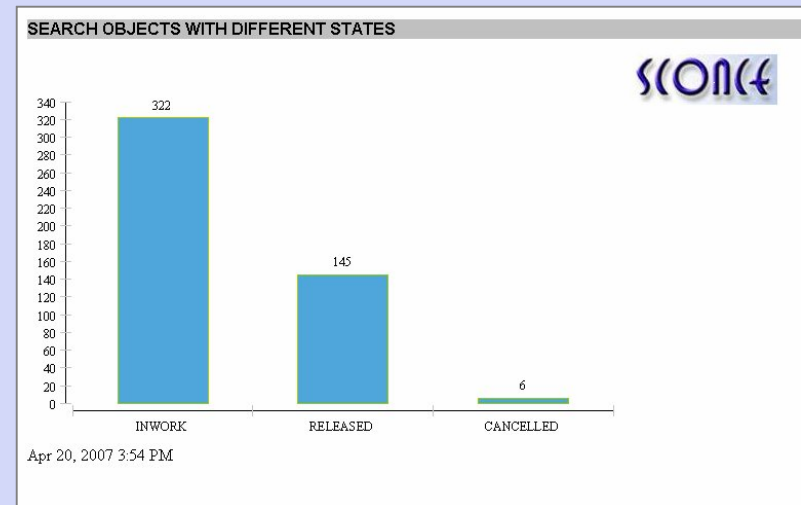
[Report History]

PDMReport – Report Generation

- Graphical Reports – Search Objects based on Lifecycle States
- Multi-Level BOM with company specific custom format



MULTI LEVEL BOM REPORT				
Part No.				
Part Name:		cabling.asm		
Level	Name	Number	Version	Lifecycle
2	pan_head.prt	PAN_HEAD.PRT	A0	Basic
1	conn_5_eb.prt	CONN_5_EB.PRT	A0	Basic
0	cabling.asm	CABLING.ASM	A	Basic
1	conn_2_lprt	CONN_2_L.PRT	A0	Basic
1	conn_2_lprt	CONN_2_L.PRT	A0	Basic
2	relay_base.prt	RELAY_BASE.PRT	A0	Basic
3	rect.prt	RECT.PRT	A0	Basic
1	relay.asm	RELAY.ASM	A0	Basic
2	pan_head.prt	PAN_HEAD.PRT	A0	Basic
1	splice_2-1.prt	SPLICE_2-1.PRT	A0	Basic
2	blank.prt	BLANK.PRT	A0	Basic
2	clip.prt	CLIP.PRT	A0	Basic
1	power_box.asm	POWER_BOX.ASM	A0	Basic
2	clip.prt	CLIP.PRT	A0	Basic
2	contact_power.asm	CONTACT_POWER.ASM	A0	Basic
2	clip.prt	CLIP.PRT	A0	Basic
2	clip.prt	CLIP.PRT	A0	Basic
2	noc-1.prt	NOC-1.PRT	A0	Basic
2	clip.prt	CLIP.PRT	A0	Basic



PDMReport – Schedule Reports

- All the reports can be scheduled to execute at specific time and repeated with various scheduling options
- Scheduled reports will be shown in the table and they can be updated
- Once the scheduled job is complete, the Scheduled Reports table will be updated

The screenshot displays the PDMReport web application interface. The main window shows a navigation menu with options: User Management, Group Management, Report Management, Report Generation, Schedule Management, and Scheduler. The 'List of Schedule' table is visible, containing two entries:

Select	Job ID	Report Name	Description	Start Time	End Time	Status	Action
<input type="checkbox"/>	8	users_table	Users List	20/04/2007 06:58:00	20/04/2007 07:00:00	Scheduled	<input type="button" value="Edit"/>
<input type="checkbox"/>	9	slb_table	Single Level BOM	20/04/2007 06:59:00	20/04/2007 07:00:00	Scheduled	<input type="button" value="Edit"/>

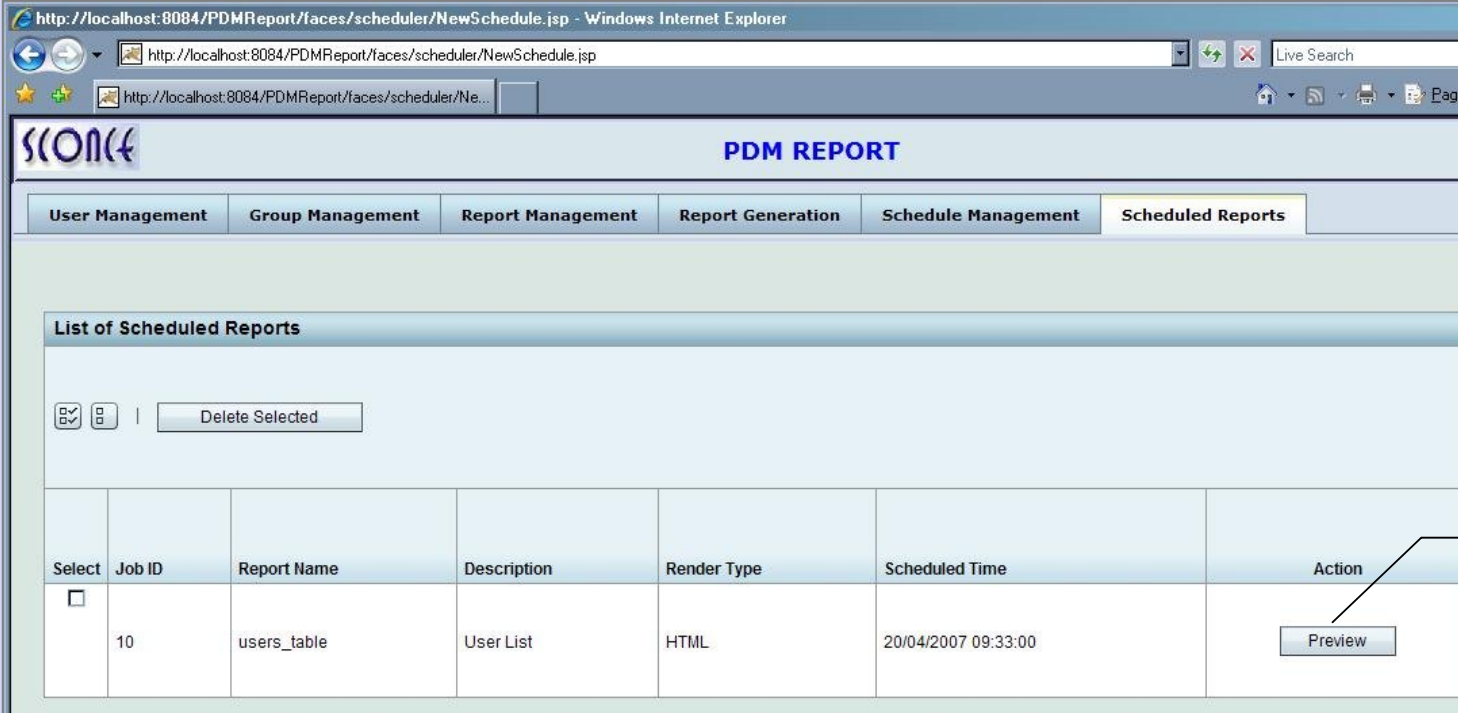
The 'New Schedule' dialog box is open, showing the following fields:

- Report Name: New Report
- Description: New Report Testing
- Start Date (HH:MM:SS): 04/20/2007 00:00:00
- End Date (HH:MM:SS): 04/20/2007 00:00:00
- Repeat Interval (HH:MM): 00:00
- Repeat Count: 00
- Misfire Instruction: Misfire1
- Email: admin@sconce.com.sg

A blue arrow points from the 'Add Schedule' button in the 'List of Schedule' table to the 'New Schedule' dialog box.

PDMReport – Schedule Results

- After the scheduled reports get executed, the results can be accessed by the user
- The results can be previewed to check the report output
- The system will automatically send an email to the user on the executed status



The screenshot shows a web browser window displaying the PDM REPORT application. The browser address bar shows the URL: `http://localhost:8084/PDMReport/faces/scheduler/NewSchedule.jsp`. The application header includes the SCONCE logo and the title "PDM REPORT". Below the header, there is a navigation menu with tabs for "User Management", "Group Management", "Report Management", "Report Generation", "Schedule Management", and "Scheduled Reports". The "Scheduled Reports" tab is active.

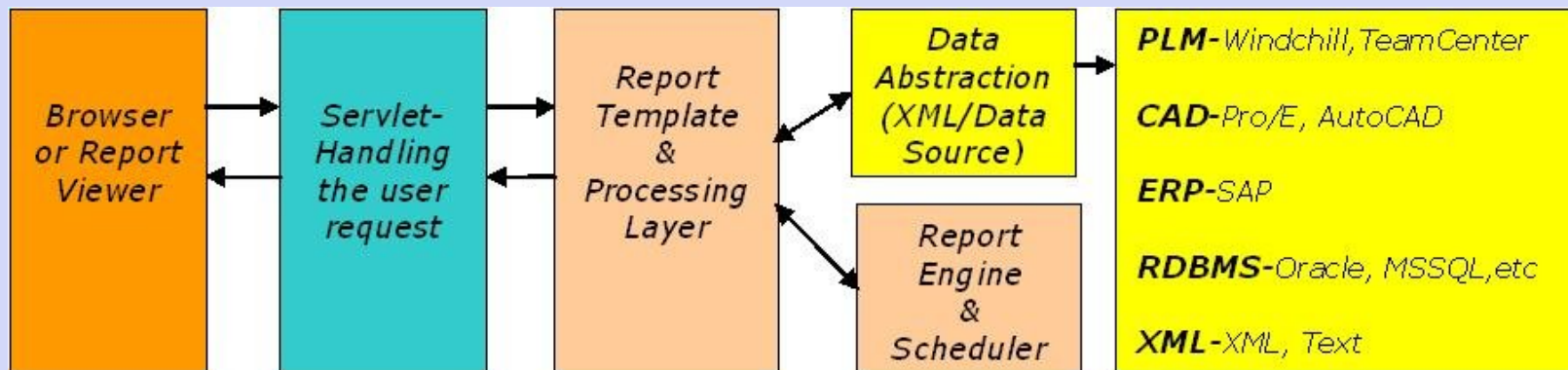
The main content area is titled "List of Scheduled Reports" and contains a table with the following data:

Select	Job ID	Report Name	Description	Render Type	Scheduled Time	Action
<input type="checkbox"/>	10	users_table	User List	HTML	20/04/2007 09:33:00	Preview

There is a "Delete Selected" button above the table. A blue callout box with the text "Preview the report results" has an arrow pointing to the "Preview" button in the "Action" column of the table.

PDMReport Architecture

- PDMReport is a MVC based 4-tier J2EE solution. A standard web framework (Spring MVC framework) is used to control the complete flow of user request.
- It uses open Eclipse BIRT Engine, Java, Quartz Scheduler and has been tested with Tomcat and Websphere.



- Powerful Web Interface for Report Manager and Report Scheduler
- Data Abstraction Layer provides the framework for extending the solution to various systems

SCONCE Solutions ...

- Experiences in Windchill, MCAD customization, Java Development
- Strong customer interaction and industry knowledge
- Proven track record in delivering customized solutions based on PTC's Windchill architecture

