



PEOPLESOF^T SERVERS

DIRECTORY VIEWER

Technical design

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1. VERSION CONTROL

1.1. CHANGE HISTORY

Date	Author	Version	Changes made
20-02-2020	E. La Haye	1	

2. PREFACE

This document describes the technical design of the PeopleSoft Servers directory viewer functionality.

2.1. NAVIGATION

This functionality can (by default) be found through navigation: **Root > CY2 Projects > PeopleSoft servers directory**.

2.2. DOCUMENTATION

The documentation of the PeopleSoft Servers directory viewer can be found on Github and in the Documentation folder which is part of the Change Assistant Zip package.

3. GLOBAL DESIGN

3.1. GLOBAL DESIGN

The ‘PeopleSoft Directory Viewer’ functionality delivers front-end functionality to manage files and directories on PeopleSoft servers for end users.

The functionality consists of:

1. Setup component where administrators can define the permissions available for different directories on the PeopleSoft Servers for end users.
2. Viewer component where end users can manage files and directories on the PeopleSoft Servers.

Common uses:

The functionality is commonly used to:

1. Allow developers access to log files on the application server and web server for debugging errors and viewing integration logs.
2. Allow end users the ability to upload and delete files to / from specific directories that can be used as upload directories for business transactions that require external files (csv / excel / etc.).
3. Allow admins easy access for server directories while using the front-end application.

A word of caution: working with PeopleSoft servers means working with the real server directories that are necessary to keep the PeopleSoft environment running. Any file transaction that end users can perform cannot be undone. Delete is Delete!

The functionality can safely be used in a production environment if and when you have clearly defined which end users can perform which file transactions in which directories.

4. TECHNICAL DESCRIPTION

4.1. PS SERVERS DIRECTORY SETUP

Based on a permission list security model we grant access to parts of the application / process scheduler / web server(s) that the system user that controls PeopleSoft at server level can access. We control at directory level if an end user (which has the defined permission list in their security profile) can access, view, delete, upload, download files and create / delete directories in that directory.

4.1.1. Navigation

Root > CY2 Projects > PeopleSoft servers directory > PS servers directory setup.

4.1.2. Add / Search

The Add/Search page gives the option to add new setup and manage existing setup.

Find an Existing Value: manage an existing set of server directory management permissions for end users based on a permission list the end users have in their permissions.

Add a New Value: Add a new set of server directory management permissions for end users based on a permission list the users have in their permissions.

PS servers directory setup

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Value	Add a New Value
▼ Search Criteria	
Permission List: <input type="text" value="begins with"/> <input type="text"/> <input type="button" value=""/>	
<input type="checkbox"/> Include History <input type="checkbox"/> Correct History	
<input type="button" value="Search"/>	<input type="button" value="Clear"/>
<input type="button" value="Basic Search"/>	<input type="button" value="Save Search Criteria"/>

[Find an Existing Value](#) | [Add a New Value](#)

4.1.3. Page Overview

On this page we set the server directories that end users can access for file transactions. We also set any file extension restrictions that apply for directories that are available to end users.

PeopleSoft servers directory setup

Permission List: CY2_LOG

Description: PSDEV server viewer

Domain

*Domain:	PSDEV	Set Default:	<input checked="" type="checkbox"/>			
General	View	Delete	Upload	Create Directory	Delete Directory	<input type="button" value="..."/>
* Server Name	Set Default	* Home directory	* Top directory			
1 APPSERV	<input checked="" type="checkbox"/>	/u01/psadm2/psft/pt/8.57/appserv/APPDEV	/u01/psadm2/psft/pt/8.57			
2 WEBSERV	<input type="checkbox"/>	/u01/psadm2/psft/pt/8.57/webserv	/u01/psadm2/psft/pt/8.57			

File Extension Restrictions

*File Extension	Cannot View	Cannot Upload	Cannot Delete	
1 EXE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="+"/> <input type="button" value="-"/>
2 UBB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="+"/> <input type="button" value="-"/>
3 cfg	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="+"/> <input type="button" value="-"/>

4.1.4. Page field description

General on directories:

When you want to use multiple servers per domain, you must use a unique notation (e.g. UNC notation) for directories so the tool can differ between the different servers. The directory permissions of the user used by PeopleSoft to access files on the different servers determine the overall rights to directories.

It is not possible to access directories or perform file actions that the PeopleSoft system user can't access or perform.

For a full description of the fields available on the page, please see the functional documentation which can be found in the documentation folder of the Change Package Zip and / or on GitHub.

4.2. PS SERVERS DIRECTORY VIEW

On the ‘PS servers directory view’ page, end users can access the server directories they are allowed to see based on their permission list access. Based on the permission list setup they can perform specific file and directory transactions in specific directories, taking into account any file extension restrictions that apply for directories that are available to end users.

4.2.1. Navigation

Root > CY2 Projects > PeopleSoft servers directory > PS servers directory view.

4.2.2. Page Overview

The page offers the user the ability to choose a domain and a server he wants to view the directories of. The grid visualizes 1 directory at the time with the option to traverse up and down in the directory structure, taking into account the security settings for the top directory and cascading options. Within the directory, actions can be performed using the action button on the grid lines and / or by clicking the “up” and “home” button as well as clicking on the directory names in the grid. The grid allows to sort the columns and offers a search option as well as the option to export to excel.

The screenshot shows the 'PS servers directory view' page. At the top, there are search fields for 'Domain' (PSDEV), 'Server Name' (APPSERV), and 'Directory' (/u01/psadm2/psft/pt/8.57/appserv/APPDEV). Below the search fields is a grid with 358 rows. The grid has columns for 'File / Directory', 'Actions', 'File Size', and 'Last Modified'. The first few rows show entries like '.ExitProc', 'tmusrevt.dat', 'ULOG.022021', 'LOGS', 'CACHE', 'files', 'PAGELET', 'ULOG.021921', and 'ULOG.021821'. Each row has a small green circular icon in the 'Actions' column. The grid includes navigation buttons for 'Up', 'Home', and sorting arrows, along with search and export icons at the top right.

File / Directory	Actions	File Size	Last Modified
.ExitProc			20/02/2021 07:08:48
tmusrevt.dat		0.1 KB	20/02/2021 07:08:32
ULOG.022021		0.9 KB	20/02/2021 07:08:23
LOGS			20/02/2021 07:08:21
CACHE			19/02/2021 22:59:06
files			19/02/2021 16:24:36
PAGELET			19/02/2021 09:18:56
ULOG.021921		0.9 KB	19/02/2021 04:39:12
ULOG.021821		0.8 KB	18/02/2021 05:30:19

4.2.3. Page field description

For a full description of the fields available on the page, please see the functional documentation which can be found in the documentation folder of the Change Package Zip and / or on GitHub.

5. TECHNICAL DESIGN DETAILS

5.1. POINTS OF INTEREST

5.1.1. Server directories

Based on the permissions of the user, he can see the folder structures we allow them to see. And in those folder structures he can then traverse up and down as far as we allow him to. So we control the top level, the home level and the actions he can do at folder level. And, whatever we permit, the permissions can never expand beyond what the server user that controls PeopleSoft can see and do. So we are always bound to what permissions are given to the user that controls PeopleSoft.

In case you have multiple application / web servers behind the PeopleSoft Environment we suggest you create shared folders between the different servers for the directories you want your developers and end users to use. That way they can always access the information, regardless of the application / web server they are connected to.

5.1.2. Attachment functions

We use the various PeopleSoft attachment functions to manage the viewing / downloading / uploading and deleting of files.

We use the **PSFILE_ATTDET** table to store the attachments as a temporary storage. At the end of the request, we delete the files from this table. Should you see a growth in this table which is abnormal, feel free to delete any attachments you no longer need.

5.1.3. Directory functions

We use the PeopleSoft directory functions to delete and create directories.

In case you DO NOT set the cascading permissions for delete directories, Child directories of the current directory cannot be deleted if they have child directories beneath them.

5.1.4. Use of java classes

We use the following standard java classes and methods to pull data from the server directories for viewing in the viewer:

- `java.io.File`
- `ava.text.SimpleDateFormat`
- `java.util.Arrays`
- `org.apache.commons.io.comparator.LastModifiedFileComparator`

5.1.5. Permissions

We have included 1 permission list CY2_PSS_DIRECTORY to the project. This permission list gives access to the setup and the viewer component.

Optionally you can add the following menu items to a relevant permission list:

1. CY2_PSS_DIR_MENU

Maintain permission lists through navigation: **PeopleTools > Security > Permissions & Roles > Permission Lists.**

The permission list as shown below is delivered with the project but does not have to be used.

The screenshot shows the 'Permission List General' configuration for the CY2_PSS_DIRECTORY permission list. It includes fields for Navigator Homepage, checkboxes for 'Can Start Application Server?' and 'Allow Password to be Emailed?', and a 'Time-out Minutes' section with a radio button for 'Never Time-out'. At the bottom, there are 'Save' and 'Return to Search' buttons, along with 'Add' and 'Update/Display' buttons. A navigation bar at the bottom includes links for General, Pages, PeopleTools, Process, Sign-on Times, Component Interfaces, Web Libraries, and Web Services.

The following menu is defined in the permission list.

The screenshot shows the 'Mobile Page Permissions' section for the CY2_PSS_DIRECTORY permission list. It displays a table with one row, where the 'Menu Name' is 'CY2_PSS_DIR_MENU' and the 'Menu Label' is 'Cy2 Dir App Server Menu'. Navigation buttons for First, Last, and a page number indicator '1 of 1' are also visible.

The following components are authorised in the menu.

Component Permissions

Cy2 Dir App Server Menu

Components		Personalize Find <input type="button" value="View All"/> <input type="button" value="Edit"/>	First <input type="button" value="Previous"/> 1-2 of 2 <input type="button" value="Next"/> Last	View Content References for this Component
Authorized?	Component Name	Item Label	Edit Pages	
<input checked="" type="checkbox"/>	CY2_PSS_DIR_SETUP	PS servers directory setup	<input type="button" value="Edit Pages"/>	<input type="button" value="View"/>
<input checked="" type="checkbox"/>	CY2_PSS_DIR_VW_FL	PS servers directory view	<input type="button" value="Edit Pages"/>	<input type="button" value="View"/>

OK Cancel

5.1.6. Menu item navigation (aka where does the functionality reside in the menu)

By default the ‘PeopleSoft Directory Viewer’ functionality can be reached through navigation: **Root > CY2 Projects > PeopleSoft servers directory .**

If needed these menu items can be moved elsewhere by altering the ‘structure and content’ portal registry that can be reached through navigation: **PeopleTools > Portal > Structure and content**

[Root > CY2.projects > PeopleSoft servers directory](#)

Structure and Content

* Click the folder label to view the child folders and content references for that folder

* Click the "Edit" link to edit the folder definition

<input type="button" value="Folders"/>	Personalize Find View All <input type="button" value="Edit"/> <input type="button" value="View All"/>	First <input type="button" value="Previous"/> 1 of 1 <input type="button" value="Next"/> Last
--	---	---

Add Folder

* Click the "Edit" link to edit the content reference definition

<input type="button" value="Content References"/>			Personalize Find View All <input type="button" value="Edit"/> <input type="button" value="View All"/>	First <input type="button" value="Previous"/> 1-2 of 2 <input type="button" value="Next"/> Last
Link	Node Name	Label	Edit Sequence number Create Link Number of links	
<input type="checkbox"/>	LOCAL_NODE	PS servers directory setup	<input type="button" value="Edit"/> 1 <input type="button" value="Create Link"/> 0 <input type="button" value="Delete"/>	
<input type="checkbox"/>	LOCAL_NODE	PS servers directory view	<input type="button" value="Edit"/> 1 <input type="button" value="Create Link"/> 0 <input type="button" value="Delete"/>	

[Add Content Reference](#) [Add Content Reference Link](#)

5.1.7. Message catalog entries

There are 49 message catalog entries delivered with the project, all using message catalog: [25301](#).

Those can be altered through the following navigation: **PeopleTools > Utilities > Administration > Message Catalog**.

Or alternatively can be altered by changing the DAT file delivered as part of the project.

6. CONTENT OF PROJECT

6.1. CONTENT OF PROJECT CY2_DIRECTORY_VIEWER_001

Name project: CY2_DIRECTORY_VIEWER_001

Explanation project:

CY2 PSELH 20-02-2021

Initial version of Directory Viewer 2021

Details project:

Last updated on	Last updated by
2021-02-20T21:35:30+0100	PSELH

Project items overview

Project item	Number of items
Application (Sub)Packages	2
Components	2
Fields	30
Menus	1
Message Catalog entries	49
Pages	6
PeopleCode Application Packages	4
PeopleCode Component Record Fields	10
PeopleCode Components	5
PeopleCode Pages	1
Permission Lists	1
Portal Registry Structures	4
Record View SQLs	4
Records	10
SQL Objects	4
Style sheets	1
Translate Values	5

Application Packages

Application Package	Description	Explain text
CY2_PSS_DIR	Directory Viewer	CY2 ELH 20-02-20201 Application package for directory viewer

Application Subpackages

Application Subpackage
CY2_PSS_DIR:Components

Records

Name record: CY2_PSS_ACT_VW Empty View for PSS Action Grid

Explanation record:

CY2 PSELH 20-02-2021

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL View in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	ACTIONNAME	CHAR	30	NO			NO	NO

B	Name	Default value	edit	Editable
1	ACTIONNAME			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	ACTIONNAME	NO		NO	NO		

Name record: CY2_PSS_DIR_DDT PSS directory domain details

Explanation record:

CY2 PSELH 20-02-2021
Record to store all viewing details per domain within a permission list (class id) to use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL Table in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	NO	KEY	ASC	YES	YES
2	DOMAIN	CHAR	50	NO	KEY	ASC	NO	NO
3	SERVERNAME	CHAR	8	YES	KEY	ASC	NO	NO
4	DEFAULT_FLAG	CHAR	1	NO			NO	NO
5	CY2_HOME_DIRECTORY	CHAR	127	YES			NO	NO
6	CY2_TOP_DIRECTORY	CHAR	127	YES			NO	NO
7	CY2_DEL_DIRECTORY	CHAR	127	NO			NO	NO
8	CY2_DEL CASCADE	CHAR	1	NO			NO	NO
9	CY2_DWNL_DIRECTORY	CHAR	127	NO			NO	NO
10	CY2_DWNL CASCADE	CHAR	1	NO			NO	NO
11	CY2_UPLD_DIRECTORY	CHAR	127	NO			NO	NO
12	CY2_UPLD CASCADE	CHAR	1	NO			NO	NO
13	CY2_VIEW_DIRECTORY	CHAR	127	NO			NO	NO
14	CY2_VIEW CASCADE	CHAR	1	NO			NO	NO
15	CY2_CDRD_DIRECTORY	CHAR	127	NO			NO	NO
16	CY2_CDRD CASCADE	CHAR	1	NO			NO	NO
17	CY2_DLDR_DIRECTORY	CHAR	127	NO			NO	NO
18	CY2_DLDR CASCADE	CHAR	1	NO			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID			
2	DOMAIN			
3	SERVERNAME			
4	DEFAULT_FLAG	N	Y/N	
5	CY2_HOME_DIRECTORY			
6	CY2_TOP_DIRECTORY			
7	CY2_DEL_DIRECTORY			
8	CY2_DEL CASCADE	N	Y/N	
9	CY2_DWNL_DIRECTORY			
10	CY2_DWNL CASCADE	N	Y/N	
11	CY2_UPLD_DIRECTORY			
12	CY2_UPLD CASCADE	N	Y/N	
13	CY2_VIEW_DIRECTORY			
14	CY2_VIEW CASCADE	N	Y/N	
15	CY2_CDRD_DIRECTORY			
16	CY2_CDRD CASCADE	N	Y/N	
17	CY2_DLDR_DIRECTORY			
18	CY2_DLDR CASCADE	N	Y/N	

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
2	DOMAIN	NO		NO	NO		
3	SERVERNAME	NO		NO	NO		
4	DEFAULT_FLAG	NO		NO	NO		
5	CY2_HOME_DIRECTORY	NO		NO	NO		
6	CY2_TOP_DIRECTORY	NO		NO	NO		
7	CY2_DEL_DIRECTORY	NO		NO	NO		
8	CY2_DEL CASCADE	NO		NO	NO		
9	CY2_DWNL_DIRECTORY	NO		NO	NO		
10	CY2_DWNL CASCADE	NO		NO	NO		
11	CY2_UPLOD_DIRECTORY	NO		NO	NO		
12	CY2_UPLOD CASCADE	NO		NO	NO		
13	CY2_VIEW_DIRECTORY	NO		NO	NO		
14	CY2_VIEW CASCADE	NO		NO	NO		
15	CY2_CDRR_DIRECTORY	NO		NO	NO		
16	CY2_CDRR CASCADE	NO		NO	NO		
17	CY2_DLDR_DIRECTORY	NO		NO	NO		
18	CY2_DLDR CASCADE	NO		NO	NO		

Name record: CY2_PSS_DIR_DER PSS directory derived

Explanation record:

CY2 PSELH 20-02-2021

Derived record for use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
Work Record				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	NO			NO	NO
2	DESCRLONG_NOTES	LONG CHAR	0	NO			NO	NO
3	DOMAIN	CHAR	50	NO			NO	NO
4	PAGE_TITLE_60	CHAR	60	NO			NO	NO
5	SERVERNAME	CHAR	8	NO			NO	NO
6	CY2_FILE_NAME	CHAR	254	NO			NO	NO
7	CY2_HOME_BTN	CHAR	1	NO			NO	NO
8	CY2_UP_BTN	CHAR	1	NO			NO	NO
9	FILE_DIRECTORY	CHAR	80	NO			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID			
2	DESCRLONG_NOTES			
3	DOMAIN		PROMPT	CY2_PSS_DIR_DVW
4	PAGE_TITLE_60			
5	SERVERNAME		PROMPT	CY2_PSS_DIR_SVW
6	CY2_FILE_NAME			
7	CY2_HOME_BTN			
8	CY2_UP_BTN			
9	FILE_DIRECTORY			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfd
1	CLASSID	NO		NO	NO		
2	DESCRLONG_NOTES	NO		NO	NO		
3	DOMAIN	NO		NO	NO		
4	PAGE_TITLE_60	NO		NO	NO		
5	SERVERNAME	NO		NO	NO		
6	CY2_FILE_NAME	NO		NO	NO		
7	CY2_HOME_BTN	NO		NO	NO		
8	CY2_UP_BTN	NO		NO	NO		
9	FILE_DIRECTORY	NO		NO	NO		

Name record: CY2_PSS_DIR_DHD PSS directory domain setup

Explanation record:

CY2_PSELH 20-02-2021

Record to store which domains to view per permission list (class id) to use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL Table in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	YES	KEY	ASC	YES	YES
2	DOMAIN	CHAR	50	NO	KEY	ASC	NO	NO
3	EFFDT	DATE	10	YES	KEY	DESC	NO	NO
4	EFF_STATUS	CHAR	1	NO			NO	NO
5	DESCR	CHAR	30	NO			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID		PROMPT	PSCLASSDEFN_SRC
2	DOMAIN			
3	EFFDT	%date		
4	EFF_STATUS	A	XLAT	
5	DESCR			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		
2	DOMAIN	NO		NO	NO		
3	EFFDT	NO		NO	NO		
4	EFF_STATUS	NO		NO	NO		
5	DESCR	NO		NO	NO		

Name record: CY2_PSS_DIR_DVW PSS directory domain view

Explanation record:

CY2 PSELH 20-02-2021

View to select domain names for use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL View in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	NO	KEY	ASC	YES	NO
2	DOMAIN	CHAR	50	NO	KEY	ASC	YES	YES

B	Name	Default value	edit	Editable
1	CLASSID			
2	DOMAIN			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		
2	DOMAIN	NO		NO	NO		

Name record: CY2_PSS_DIR_FLE File Extension Restrictions

Explanation record:

CY2 PSELH 20-02-2021

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL Table in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	YES	KEY	ASC	NO	NO
2	CY2_FILEEXTN	CHAR	30	YES	KEY	ASC	NO	NO
3	CY2_CANNOT_VIEW	CHAR	1	YES			NO	NO
4	CY2_CANNOT_UPLOAD	CHAR	1	YES			NO	NO
5	CY2_CANNOT_DELETE	CHAR	1	YES			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID			
2	CY2_FILEEXTN			
3	CY2_CANNOT_VIEW	N	Y/N	
4	CY2_CANNOT_UPLOAD	N	Y/N	
5	CY2_CANNOT_DELETE	N	Y/N	

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfd
1	CLASSID	NO		NO	NO		
2	CY2_FILEEXTN	NO		NO	NO		
3	CY2_CANNOT_VIEW	NO		NO	NO		
4	CY2_CANNOT_UPLOAD	NO		NO	NO		
5	CY2_CANNOT_DELETE	NO		NO	NO		

Name record: CY2_PSS_DIR_PDM PSS directory domain setup

Explanation record:

CY2 PSELH 20-02-2021

Record to store which domains to view per permission list (class id) to use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL Table in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	YES	KEY	ASC	YES	YES
2	DOMAIN	CHAR	50	YES	KEY	ASC	NO	NO
3	DEFAULT_FLAG	CHAR	1	NO			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID		PROMPT	PSCLASSDEFN_SRC
2	DOMAIN			
3	DEFAULT_FLAG	N	Y/N	

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		
2	DOMAIN	NO		NO	NO		
3	DEFAULT_FLAG	NO		NO	NO		

Name record: CY2_PSS_DIR_PHD PSS directory perm lists setup

Explanation record:

CY2 PSELH 20-02-2021
Record to store which permission lists (class ids) to use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL Table in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	YES	KEY	ASC	YES	YES
2	DESCR	CHAR	30	NO			NO	NO

B	Name	Default value	edit	Editable
1	CLASSID		PROMPT	PSCLASSDEFN_SRC
2	DESCR			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		
2	DESCR	NO		NO	NO		

Name record: CY2_PSS_DIR_SVW PSS directory server view

Explanation record:

CY2 PSELH 20-02-2021

View to select servernames for use in the PS servers directory view.

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL View in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CLASSID	CHAR	30	NO	KEY	ASC	YES	NO
2	DOMAIN	CHAR	50	NO	KEY	ASC	YES	YES
3	SERVERNAME	CHAR	8	NO	KEY	ASC	YES	YES

B	Name	Default value	edit	Editable
1	CLASSID			
2	DOMAIN			
3	SERVERNAME			

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CLASSID	NO		NO	NO		
2	DOMAIN	NO		NO	NO		
3	SERVERNAME	NO		NO	NO		

Name record: CY2_PSS_DIR_VW Empty View for PSS Grid

Explanation record:

CY2 PSELH 20-02-2021

Details record:

Record Type	Audit record	Related language record	Query security record	SQL table name
SQL View in DB				

Record fields:

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
1	CY2_FILE_NAME	CHAR	254	NO			NO	NO
2	CY2_DIR_FILE_ACTNS	CHAR	1	NO			NO	NO
3	CY2_FILE_SIZE	CHAR	20	NO			NO	NO
4	CY2_LAST_MODIFIED	CHAR	22	NO			NO	NO

A	Name	Type	Length	Req.	Key type	Dir	Srch	List
5	CY2_IS_FOLDER	CHAR	1	NO			NO	NO
6	CY2_UPLOAD_FILE	CHAR	1	NO			NO	NO
7	CY2_VIEW_FILE	CHAR	1	NO			NO	NO
8	CY2_DELETE_FILE	CHAR	1	NO			NO	NO
9	CY2_CREATE_DIR	CHAR	1	NO			NO	NO
10	CY2_DELETE_DIR	CHAR	1	NO			NO	NO

B	Name	Default value	edit	Editable
1	CY2_FILE_NAME			
2	CY2_DIR_FILE_ACTNS		XLAT	
3	CY2_FILE_SIZE			
4	CY2_LAST_MODIFIED			
5	CY2_IS_FOLDER	N	Y/N	
6	CY2_UPLOAD_FILE	N	Y/N	
7	CY2_VIEW_FILE	N	Y/N	
8	CY2_DELETE_FILE	N	Y/N	
9	CY2_CREATE_DIR	N	Y/N	
10	CY2_DELETE_DIR	N	Y/N	

C	Name	Auto update	Search field	Reasonable date	Sub record	Audit	Set cntrlfld
1	CY2_FILE_NAME	NO		NO	NO		
2	CY2_DIR_FILE_ACTNS	NO		NO	NO		
3	CY2_FILE_SIZE	NO		NO	NO		
4	CY2_LAST_MODIFIED	NO		NO	NO		
5	CY2_IS_FOLDER	NO		NO	NO		
6	CY2_UPLOAD_FILE	NO		NO	NO		
7	CY2_VIEW_FILE	NO		NO	NO		
8	CY2_DELETE_FILE	NO		NO	NO		
9	CY2_CREATE_DIR	NO		NO	NO		
10	CY2_DELETE_DIR	NO		NO	NO		

Fields

Name field: CY2_CANNOT_DELETE Don't Allow Deletes

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cannot Delete	DEFAULT

Name field: CY2_CANNOT_UPLOAD Don't Allow Uploads

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cannot Upload	DEFAULT

Name field: CY2_CANNOT_VIEW Don't Allow View

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cannot View	DEFAULT

Name field: CY2_CRDR CASCADE Cascade create dir rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to create directories should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_CRDR CASCADE

Name field: CY2_CRDR_DIRECTORY Create directories directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories from which a user can create new directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Create	CY2_CRDR_DIRECTORY

Name field: CY2_CREATE_DIR Create Directory

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Create Dir	CY2_CREATE_DIR

Name field: CY2_DELETE_DIR Delete Directory

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Delete Dir	CY2_DELETE_DIR

Name field: CY2_DELETE_FILE Delete File

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Delete	CY2_DELETE_FILE

Name field: CY2_DEL CASCADE Cascade delete rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to delete files should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_DEL_CASCADE

Name field: CY2_DEL_DIRECTORY Delete directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories from which a user can delete files.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Delete	CY2_DEL_DIRECTORY

Name field: CY2_DIR_FILE_ACTNS File / Directory actions

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Actions	CY2_FILE_DIR_ACTNS

Name field: CY2_DLDR CASCADE Cascade delete dir rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to delete directories should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_DLDR CASCADE

Name field: CY2_DLDR_DIRECTORY Delete directories directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories from which a user can delete directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Delete dir.	CY2_DLDR_DIRECTORY

Name field: CY2_DWNL.Cascade Cascade download rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to download files should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_DWNL.Cascade

Name field: CY2_DWNL_DIRECTORY Download directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories from which a user can download files.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Download	CY2_DWNL_DIRECTORY

Name field: CY2_FILEEXTN File Extension

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	30	0	File Extn	FILEEXTN

Name field: CY2_FILE_NAME File / Directory

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	254	0	File Name	DEFAULT

Name field: CY2_FILE_SIZE File Size

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	20	0	Size	DEFAULT

Name field: CY2_HOME_BTN Home

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Home	DEFAULT

Name field: CY2_HOME_DIRECTORY Home directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directory which is the home directory for users when viewing files.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Home	CY2_HOME_DIRECTORY

Name field: CY2_IS_FOLDER Is Folder

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Folder	DEFAULT

Name field: CY2_LAST_MODIFIED Last Modified at

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	22	0	Last Modified	DEFAULT

Name field: CY2_TOP_DIRECTORY Top directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define which directory is the top directory a user can view.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Top	CY2_TOP_DIRECTORY

Name field: CY2_UPLOD CASCADE Cascade upload rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to upload files should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_UPLOD CASCADE

Name field: CY2_UPLOD_DIRECTORY Upload directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories in which a user can upload files.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	Upload	CY2_UPLOD_DIRECTORY

Name field: CY2_UPLOAD_FILE Upload File

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Upload	CY2_UPLOAD_FILE

Name field: CY2_UP_BTN Up

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Up	DEFAULT

Name field: CY2_VIEW.Cascade Cascade view rights

Explanation field:

CY2 PSELH 20-02-2021

Field to define if the right to view files should be cascaded down to lower directories.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	Cascade	CY2_VIEW.Cascade

Name field: CY2_VIEW_DIRECTORY View directory

Explanation field:

CY2 PSELH 20-02-2021

Field to define the directories from which a user can view files.

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Mixed Case	127	0	View	CY2_VIEW_DIRECTORY

Name field: CY2_VIEW_FILE View/Download File

Explanation field:

CY2 PSELH 20-02-2021

Details field:

Type	Format	Length	Decimal position	Short name label	Default label
Char	Upper	1	0	View/Download	CY2_VIEW_FILE

Menus

Name menu: CY2_PSS_DIR_MENU PS servers directory menu

Explanation menu:

CY2 PSELH 20-02-2021

Menu for viewing the directories of the PeopleSoft servers.

Details menu:

Label	Type	Order
CY2 Server Directory Menu	Standard menu	9999

Components

Name component: CY2_PSS_DIR_SETUP PS servers directory setup

Explanation component:

CY2 PSELH 20-02-2021

Component for setting up the directory view of the PeopleSoft servers.

Details component:

Actions	Search record	Add search record
15	CY2_PSS_DIR_PHD	CY2_PSS_DIR_PHD

Pages in component:

Num	Page	Item name	Item label	Folder tab label	Hidden
1	CY2_PSS_DIR_SETUP	CY2_PSS_DIR_SETU P	PS servers directory setup		0

Name component: CY2_PSS_DIR_VW_FL PS servers directory view

Explanation component:

CY2 PSELH 20-02-2021

Component for viewing the directory of the PeopleSoft servers.

Details component:

Actions	Search record	Add search record
2	INSTALLATION	INSTALLATION

Pages in component:

Num	Page	Item name	Item label	Folder tab label	Hidden
1	CY2_PSS_DIR_VW_FL	CY2_PSS_DIR_VW_F L	PS servers directory view		0

Pages

Name page: CY2_PSS_DIR_CD_SCF Directory / File Actions

Explanation page:

CY2 PSELH 20-02-2021

Details page:

Type	Stylesheetname
SECUNDARY PAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
25	1				0
26	2		FILE_DIRECTORY	File Directory	0

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
25	1	0		
26	1	0	CY2_PSS_DIR_DER	FILE_DIRECTORY

Field ID	Associated Field Number	Subpage Name	Description	Field type
25	0		Directory / File Actions	Group Box
26	0		Directory / File Actions	Edit Box

Name page: CY2_PSS_DIR_EXPLN Explanation directory viewer

Explanation page:

CY2 PSELH 20-02-2021

Page to store explanation about the functionality of directory viewer.

Details page:

Type	Stylesheetname
SECUNDARY PAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
2	2		NOTES	Notes	0
8	1		PAGE_TITLE	Page Title	1

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
2	1	0	CY2_PSS_DIR_DER	DESCRLONG_NOTES

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
8	1	0	CY2_PSS_DIR_DER	PAGE_TITLE_60

Field ID	Associated Field Number	Subpage Name	Description	Field type
2	0		Explanation directory viewer	HTML Area
8	0		Explanation directory viewer	Edit Box

Name page: CY2_PSS_DIR_SETUP PS servers directory setup

Explanation page:

CY2 PSELH 20-02-2021

Page for setting up the directory view of the PeopleSoft servers.

Details page:

Type	Stylesheetname
STANDARD PAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
4	1				0
9	2		PERM_LIST	Permission List	1
12	8	CY2_PSS_DIR_DDT			4096
13	10		PERM_LIST	Permission List	3
15	11		DOMAIN	Domain	3
20	15		CY2_TOP_DIRECTORY	Top directory	0
21	3		DESCR	Description	0
25	13		DEFAULT_FLAG	Set Default	0
29	26		CY2_DWNL CASCADE	Cascade	2
17	20		CY2_DEL_DIRECTORY	Delete directory	0
19	16				0
23	19				0
22	21		CY2_DEL CASCADE	Cascade	0
28	25		CY2_DWNL_DIRECTORY	Download directory	2
31	22				0
32	23		CY2_UPLD_DIRECTORY	Upload directory	0
33	24		CY2_UPLD CASCADE	Cascade	0
34	17		CY2_VIEW_DIRECTORY	View directory	0
36	18		CY2_VIEW CASCADE	Cascade	0
37	9				0
38	14		CY2_HOME_DIRECTORY	Home directory	0

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
39	12		SERVNAME	Server Name	0
44	5	CY2_PSS_DIR_PDM			0
45	7		DOMAIN	Domain	0
47	6		DEFAULT_FLAG	Set Default	0
48	4		NOTES	Notes	0
53	36		DEFAULT	Cannot Upload	0
50	33	CY2_PSS_DIR_FLE			13422182 4
51	34		FILEEXTN	File Extension	0
52	35		DEFAULT	Cannot View	0
54	37		DEFAULT	Cannot Delete	0
55	27				0
56	30				0
57	28		CY2_CRDR_DIRECTORY	Create directories directory	0
59	31		CY2_DLDR_DIRECTORY	Delete directories directory	0
61	29		CY2_CRDR CASCADE	Cascade	0
62	32		CY2_DLDR CASCADE	Cascade	0

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
4	1	0		
9	1	0	CY2_PSS_DIR_PHD	CLASSID
12	1	2	CY2_PSS_DIR_DDT	
13	1	2	CY2_PSS_DIR_DDT	CLASSID
15	1	2	CY2_PSS_DIR_DDT	DOMAIN
20	1	2	CY2_PSS_DIR_DDT	CY2_TOP_DIRECTORY
21	1	0	CY2_PSS_DIR_PHD	DESCR
25	0	2	CY2_PSS_DIR_DDT	DEFAULT_FLAG
29	1	2	CY2_PSS_DIR_DDT	CY2_DWNL.Cascade
17	1	2	CY2_PSS_DIR_DDT	CY2_DEL_DIRECTORY
19	1	2		
23	1	2		
22	1	2	CY2_PSS_DIR_DDT	CY2_DEL.Cascade
28	1	2	CY2_PSS_DIR_DDT	CY2_DWNL_DIRECTORY
31	1	2		
32	1	2	CY2_PSS_DIR_DDT	CY2_UPLD_DIRECTORY
33	1	2	CY2_PSS_DIR_DDT	CY2_UPLD.Cascade
34	1	2	CY2_PSS_DIR_DDT	CY2_VIEW_DIRECTORY
36	1	2	CY2_PSS_DIR_DDT	CY2_VIEW.Cascade
37	1	2		

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
38	1	2	CY2_PSS_DIR_DDT	CY2_HOME_DIRECTORY
39	1	2	CY2_PSS_DIR_DDT	SERVERNAME
44	1	1		
45	1	1	CY2_PSS_DIR_PDM	DOMAIN
47	0	1	CY2_PSS_DIR_PDM	DEFAULT_FLAG
48	1	0	CY2_PSS_DIR_DER	DESCRLONG_NOTES
53	1	1	CY2_PSS_DIR_FLE	CY2_CANNOT_UPLOAD
50	1	1	CY2_PSS_DIR_FLE	
51	1	1	CY2_PSS_DIR_FLE	CY2_FILEEXTN
52	1	1	CY2_PSS_DIR_FLE	CY2_CANNOT_VIEW
54	1	1	CY2_PSS_DIR_FLE	CY2_CANNOT_DELETE
55	1	2		
56	1	2		
57	1	2	CY2_PSS_DIR_DDT	CY2_CRDR_DIRECTORY
59	1	2	CY2_PSS_DIR_DDT	CY2_DLDR_DIRECTORY
61	1	2	CY2_PSS_DIR_DDT	CY2_CRDR.Cascade
62	1	2	CY2_PSS_DIR_DDT	CY2_DLDR.Cascade

Field ID	Associated Field Number	Subpage Name	Description	Field type
4	0		PS servers directory setup	Label
9	0		PS servers directory setup	Edit Box
12	0		PS servers directory setup	Grid
13	0		PS servers directory setup	Edit Box
15	0		PS servers directory setup	Edit Box
20	0		PS servers directory setup	Edit Box
21	0		PS servers directory setup	Edit Box
25	0		PS servers directory setup	Check Box
29	0		PS servers directory setup	Check Box
17	0		PS servers directory setup	Edit Box
19	0		PS servers directory setup	Tab Separator (in a grid)
23	0		PS servers directory setup	Tab Separator (in a grid)
22	0		PS servers directory setup	Check Box
28	0		PS servers directory setup	Edit Box
31	0		PS servers directory setup	Tab Separator (in a grid)
32	0		PS servers directory setup	Edit Box
33	0		PS servers directory setup	Check Box
34	0		PS servers directory setup	Edit Box
36	0		PS servers directory setup	Check Box

Field ID	Associated Field Number	Subpage Name	Description	Field type
37	0		PS servers directory setup	Tab Separator (in a grid)
38	0		PS servers directory setup	Edit Box
39	0		PS servers directory setup	Edit Box
44	0		PS servers directory setup	Scroll Area
45	0		PS servers directory setup	Edit Box
47	0		PS servers directory setup	Check Box
48	0	CY2_PSS_DIR_EXPLN	PS servers directory setup	Push Button/Hyperlink - Destination: Secondary Page
53	0		PS servers directory setup	Check Box
50	0		PS servers directory setup	Grid
51	0		PS servers directory setup	Edit Box
52	0		PS servers directory setup	Check Box
54	0		PS servers directory setup	Check Box
55	0		PS servers directory setup	Tab Separator (in a grid)
56	0		PS servers directory setup	Tab Separator (in a grid)
57	0		PS servers directory setup	Edit Box
59	0		PS servers directory setup	Edit Box
61	0		PS servers directory setup	Check Box
62	0		PS servers directory setup	Check Box

Name page: CY2_PSS_DIR_VW_FL PS Server directory viewer

Explanation page:

CY2 PSELH 20-02-2021

Page to view the server directories.

Details page:

Type	Stylesheetname
STANDARD PAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
1	1			apps content	0
2	2			Inline Message Container	0
3	6	PANEL_TITLE	SCC_PANEL_TITLE_50	Panel Title	0
4	5			content header	0
5	7			Action Buttons	0

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
6	9			Your content here	0
8	4			Dummy Name	0
9	3				0
10	10			Dummy Name	0
12	8		NOTES	Notes	0

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
1	1	0		
2	1	0		
3	1	0	SCC_LO_FL_WRK	SCC_PAGE_TITLE_50
4	1	0		
5	1	0		
6	1	0		
8	0	0	SCC_LO_FL_WRK	
9	1	0		
10	0	0	CY2_PSS_DIR_DER	
12	1	0	CY2_PSS_DIR_DER	DESCRLONG_NOTES

Field ID	Associated Field Number	Subpage Name	Description	Field type
1	0		PS Server directory viewer	Group Box
2	0		PS Server directory viewer	Group Box
3	0		PS Server directory viewer	Group Box
4	0		PS Server directory viewer	Group Box
5	0		PS Server directory viewer	Group Box
6	0		PS Server directory viewer	Group Box
8	0	SCC_CONFRM_MSG_SBF	PS Server directory viewer	Subpage
9	0		PS Server directory viewer	Group Box
10	0	CY2_PSS_DIR_VW_SBF	PS Server directory viewer	Subpage
12	0	CY2_PSS_DIR_EXPLN	PS Server directory viewer	Push Button/Hyperlink - Destination: Secondary Page

Name page: CY2_PSS_DIR_VW_SBF PS servers directory view

Explanation page:

CY2 PSELH 20-02-2021

Page for viewing the directory of the PeopleSoft servers.

Details page:

Type	Stylesheetname
SUBPAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
6	3		DOMAIN	Domain	0
7	4		SERVERNAME	Server Name	0
13	2		PERM_LIST	Permission List	3
16	10	CY2_PSS_DIR_VW			13474707 2
22	14		DEFAULT	Last Modified	1
23	5		CY2_DIRECTORY	Directory	1
24	13		DEFAULT	File Size	1
26	7		DEFAULT	Up	0
27	8		DEFAULT	Home	0
29	15		DEFAULT	Folder	3
30	6				0
32	9				0
33	1				0
43	12		CY2_FILE_DIR_ACTNS	Actions	0
44	21				2
48	16		CY2_UPLOAD_FILE	Upload	3
50	17		CY2_VIEW_FILE	View/Download	3
51	18		CY2_DELETE_FILE	Delete	3
54	11	CY2_FILENAME	DEFAULT	File / Directory	0
55	22				2
56	19		CY2_CREATE_DIR	Create Dir	3
57	20		CY2_DELETE_DIR	Delete Dir	3

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
6	0	0	CY2_PSS_DIR_DER	DOMAIN
7	0	0	CY2_PSS_DIR_DER	SERVERNAME
13	1	0	CY2_PSS_DIR_DER	CLASSID
16	1	1	CY2_PSS_DIR_VW	
22	1	1	CY2_PSS_DIR_VW	CY2_LAST_MODIFIED
23	1	0	CY2_PSS_DIR_DER	CY2_FILE_NAME

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
24	1	1	CY2_PSS_DIR_VW	CY2_FILE_SIZE
26	1	0	CY2_PSS_DIR_DER	CY2_UP_BTN
27	1	0	CY2_PSS_DIR_DER	CY2_HOME_BTN
29	1	1	CY2_PSS_DIR_VW	CY2_IS_FOLDER
30	1	0		
32	1	0		
33	1	0		
43	1	1	CY2_PSS_DIR_VW	CY2_DIR_FILE_ACTNS
44	1	1		
48	1	1	CY2_PSS_DIR_VW	CY2_UPLOAD_FILE
50	1	1	CY2_PSS_DIR_VW	CY2_VIEW_FILE
51	1	1	CY2_PSS_DIR_VW	CY2_DELETE_FILE
54	1	1	CY2_PSS_DIR_VW	CY2_FILE_NAME
55	1	1		
56	1	1	CY2_PSS_DIR_VW	CY2_CREATE_DIR
57	1	1	CY2_PSS_DIR_VW	CY2_DELETE_DIR

Field ID	Associated Field Number	Subpage Name	Description	Field type
6	0		PS servers directory view	Edit Box
7	0		PS servers directory view	Edit Box
13	0		PS servers directory view	Edit Box
16	5		PS servers directory view	Grid
22	0		PS servers directory view	Edit Box
23	0		PS servers directory view	Edit Box
24	0		PS servers directory view	Edit Box
26	0		PS servers directory view	Push Button/Hyperlink - Destination: PeopleCode Command
27	0		PS servers directory view	Push Button/Hyperlink - Destination: PeopleCode Command
29	0		PS servers directory view	Check Box
30	0		PS servers directory view	Group Box
32	0		PS servers directory view	Group Box
33	0		PS servers directory view	Group Box
43	0		PS servers directory view	Push Button/Hyperlink - Destination: PeopleCode Command
44	0	CY2_PSS_DIR_VW_SCF	PS servers directory view	Secondary Page Button
48	0		PS servers directory view	Check Box

Field ID	Associated Field Number	Subpage Name	Description	Field type
50	0		PS servers directory view	Check Box
51	0		PS servers directory view	Check Box
54	0		PS servers directory view - Destination: PeopleCode Command	Push Button/Hyperlink
55	0	CY2_PSS_DIR_CD_SCF	PS servers directory view	Secondary Page Button
56	0		PS servers directory view	Check Box
57	0		PS servers directory view	Check Box

Name page: CY2_PSS_DIR_VW_SCF Directory / File Actions

Explanation page:

CY2 PSELH 20-02-2021

Details page:

Type	Stylesheetname
SECUNDARY PAGE	

Page fields:

Field ID	Field nbr	Page field name	Field label ID	Label text	Page field use
1	1				0
10	3	CY2_PSS_ACT_VW			5056
12	2		GROUPBOX2		0
23	4		ACTIONNAME	Action Name	0

Field ID	Deferred Processing	Occurs Level	Record (Table) Name	Field Name
1	1	0		
10	1	1	CY2_PSS_ACT_VW	
12	1	0		
23	1	1	CY2_PSS_ACT_VW	ACTIONNAME

Field ID	Associated Field Number	Subpage Name	Description	Field type
1	0		Directory / File Actions	Group Box
10	-1		Directory / File Actions	Grid
12	0		Directory / File Actions	Group Box
23	0		Directory / File Actions - Destination: PeopleCode Command	Push Button/Hyperlink

SQL

Name SQL: CY2_PSS_DIR_SEL_DIRECTORIES PSS select directories

Type SQL: Normal

Explanation sql:

CY2 PSELH 20-02-2021 Select directory values for use in the PS servers directory view.

SQL text

```
SELECT A.CY2_HOME_DIRECTORY , A.CY2_TOP_DIRECTORY , A.CY2_DEL_DIRECTORY , A.CY2_DEL CASCADE ,
A.CY2_UPLOD_DIRECTORY , A.CY2_UPLOD CASCADE , A.CY2_VIEW_DIRECTORY , A.CY2_VIEW CASCADE ,
A.CY2_CRDR_DIRECTORY , A.CY2_CRDR CASCADE , A.CY2_DLDR_DIRECTORY , A.CY2_DLDR CASCADE FROM
%Table(CY2_PSS_DIR_DDT) A WHERE A.CLASSID = :1 AND A.DOMAIN = :2 AND A.SERVERNAME = :3
```

Name SQL: CY2_PSS_DIR_SEL_DOMN_SERV_DEF PSS select def. domain/server

Type SQL: Normal

Explanation sql:

CY2 PSELH 20-02-2021 Select default domain, servername and directory values for use in the PS servers directory view.

SQL text

```
SELECT A.DOMAIN , A.SERVERNAME FROM %Table(CY2_PSS_DIR_DDT) A , %Table(CY2_PSS_DIR_PDM) B WHERE
%Join(COMMON_KEYS, CY2_PSS_DIR_DDT A, CY2_PSS_DIR_PDM B) AND A.CLASSID = :1 AND A.DEFAULT_FLAG =
'Y' AND B.DEFAULT_FLAG = 'Y'
```

Name SQL: CY2_PSS_DIR_SEL_EXT_RESTRICT Get File Ex Restrictions

Type SQL: Normal

Explanation sql:

CY2 PSELH 20-02-2021

SQL text

```
SELECT UPPER(CY2_FILEEXTN) , CY2_CANNOT_VIEW , CY2_CANNOT_UPLOAD , CY2_CANNOT_DELETE FROM
%Table(CY2_PSS_DIR_FLE) WHERE CLASSID = :1
```

Name SQL: CY2_PSS_DIR_SEL_UNIQUE_SERVER PSS select unique server

Type SQL: Normal

Explanation sql:

CY2 PSELH 20-02-2021 Select theservername if only one server exists for the domain. SQL for use in the PS servers directory view.

SQL text

```
SELECT A.SERVERNAME FROM %Table(CY2_PSS_DIR_DDT) A , %Table(CY2_PSS_DIR_DHD) B WHERE  
%EffdtCheck(CY2_PSS_DIR_DHD C, B, %CurrentDateIn) AND B.EFF_STATUS = 'A' AND %Join(COMMON_KEYS,  
CY2_PSS_DIR_DDT A, CY2_PSS_DIR_DHD B) AND A.CLASSID = :1 AND A.DOMAIN = :2 AND EXISTS( SELECT  
COUNT(*) FROM %Table(CY2_PSS_DIR_DDT) D , %Table(CY2_PSS_DIR_DHD) E WHERE E.EFFDT = B.EFFDT AND  
E.EFF_STATUS = B.EFF_STATUS AND D.CLASSID = A.CLASSID AND D.DOMAIN = A.DOMAIN AND  
%Join(COMMON_KEYS, CY2_PSS_DIR_DDT D, CY2_PSS_DIR_DHD E) HAVING COUNT(D.SERVERNAME)= 1)
```

Name SQL: CY2_PSS_ACT_VW

Type SQL: Record view

Explanation sql:

Belongs to record view: CY2_PSS_ACT_VW

SQL text

```
SELECT '' FROM %Table(INSTALLATION)
```

Name SQL: CY2_PSS_DIR_DVW

Type SQL: Record view

Explanation sql:

Belongs to record view: CY2_PSS_DIR_DVW

SQL text

```
SELECT A.CLASSID , A.DOMAIN FROM %Table(CY2_PSS_DIR_PDM) A
```

Name SQL: CY2_PSS_DIR_VW

Type SQL: Record view

Explanation sql:

Belongs to record view: CY2_PSS_DIR_VW

SQL text

```
SELECT '' , '' , '' , '' , '' , '' , '' , '' , '' , '' FROM %Table(PTIA_DUAL)
```

Name SQL: CY2_PSS_DIR_SVW

Type SQL: Record view

Explanation sql:

Belongs to record view: CY2_PSS_DIR_SVW

SQL text

SELECT A.CLASSID ,A.DOMAIN , A.SERVERNAME FROM %Table(CY2_PSS_DIR_DDT) A
--

Component PeopleCode

Name component.market.action:

CY2_PSS_DIR_SETUP.GBL.PostBuild

PeopleCode text CY2_PSS_DIR_SETUP GBL PostBuild

import CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP; Component CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP &setup; &setup.PostBuild();

Name component.market.action:

CY2_PSS_DIR_SETUP.GBL.PreBuild

PeopleCode text CY2_PSS_DIR_SETUP GBL PreBuild

import CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP; Component CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP &setup; &setup = create CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP(); &setup.PreBuild();

Name component.market.action:

CY2_PSS_DIR_SETUP.GBL.SavePreChange

PeopleCode text CY2_PSS_DIR_SETUP GBL SavePreChange

import CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP; Component CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP &setup; &setup.SavePreChange();

Name component.market.action:

CY2_PSS_DIR_VW_FL.GBL.PostBuild

PeopleCode text CY2_PSS_DIR_VW_FL GBL PostBuild

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;

Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;

&viewer.PostBuild();
```

Name component.market.action:

CY2_PSS_DIR_VW_FL.GBL.PreBuild

PeopleCode text CY2_PSS_DIR_VW_FL GBL PreBuild

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;

Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;

&viewer = create CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW();
&viewer.PreBuild();
```

Component Rec Fld PeopleCode**Name component.market.record.field.action:**

CY2_PSS_DIR_SETUP.GBL.CY2_PSS_DIR_DDT.DEFAULT_FLAG.FieldChange

PeopleCode text CY2_PSS_DIR_SETUP GBL CY2_PSS_DIR_DDT DEFAULT_FLAG FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP;

Component CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP &setup;

&setup.CY2_PSS_DIR_DDT_DEFAULT_FLAG_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_SETUP.GBL.CY2_PSS_DIR_PDM.DEFAULT_FLAG.FieldChange

PeopleCode text CY2_PSS_DIR_SETUP GBL CY2_PSS_DIR_PDM DEFAULT_FLAG FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP;

Component CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP &setup;

&setup.CY2_PSS_DIR_PDM_DEFAULT_FLAG_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_ACT_VW.ACTIONNAME.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_ACT_VW ACTIONNAME FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_ACT_VW_ACTIONNAME_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_DER.CY2_HOME_BTN.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_DER CY2_HOME_BTN FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_DER_CY2_HOME_BTN_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_DER.CY2_UP_BTN.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_DER CY2_UP_BTN FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_DER_CY2_UP_BTN_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_DER.DOMAIN.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_DER DOMAIN FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_DER_DOMAIN_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_DER.FILE_DIRECTORY.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_DER FILE_DIRECTORY FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_DER_FILE_DIRECTORY_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_DER.SERVERNAME.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_DER SERVERNAME FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_DER_SERVERNAME_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_VW.CY2_DIR_FILE_ACTNS.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_VW CY2_DIR_FILE_ACTNS FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_VW_CY2_DIR_FILE_ACTNS_FieldChange();
```

Name component.market.record.field.action:

CY2_PSS_DIR_VW_FL.GBL.CY2_PSS_DIR_VW.CY2_FILE_NAME.FieldChange

PeopleCode text CY2_PSS_DIR_VW_FL GBL CY2_PSS_DIR_VW CY2_FILE_NAME FieldChange

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_VW_CY2_FILENAME_FieldChange();
```

Page PeopleCode

Name Page.action:

CY2_PSS_DIR_VW_SCF.Activate

PeopleCode text CY2_PSS_DIR_VW_SCF Activate

```
import CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW;
```

```
Component CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW &viewer;
```

```
&viewer.CY2_PSS_DIR_VW_SCF_Activate();
```

Application Package Class PeopleCode

Name Application Class: CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP

```
import CY2_PSS_DIR:DirectoryUtility;

class CY2_PSS_DIR_SETUP
    method CY2_PSS_DIR_SETUP();

    method PreBuild();
    method PostBuild();
    method SavePreChange();

    method CY2_PSS_DIR_DDT_DEFAULT_FLAG_FieldChange();
    method CY2_PSS_DIR_PDM_DEFAULT_FLAG_FieldChange();

private
    instance CY2_PSS_DIR:DirectoryUtility &_directoryUtility
end-class;

method CY2_PSS_DIR_SETUP
    &_directoryUtility = create CY2_PSS_DIR:DirectoryUtility();
end-method;

method PreBuild
    CY2_PSS_DIR_DER.PAGE_TITLE_60.Value = MsgGetText(25301, 11, "");
    CY2_PSS_DIR_DER.DESCRLONG_NOTES.Value = MsgGetExplainText(25301, 11, "");
end-method;

method PostBuild
    If %Mode = %Action_Add Then

        GetLevel0()(1).GetRowset(Scroll.CY2_PSS_DIR_PDM)(1).GetRowset(Scroll.CY2_PSS_DIR_DDT)(1).CY2_PSS_DIR_DDT.CY2_HOME_DIRECTORY.Value = GetEnv("PS_SERVDIR");
        End-If;
    end-method;

method SavePreChange

    Local Rowset &domain, &directories;
    Local string &topDirectory, &fieldname, &filepath;
    Local integer &i, &j, &k;
    Local Record &fields, &directory;
    Local boolean &domainOk, &directoryOk;

    &domain = GetRowset(Scroll.CY2_PSS_DIR_PDM);
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP

```
For &i = 1 To &domain.ActiveRowCount;

If (&domain(&i).CY2_PSS_DIR_PDM.DEFAULT_FLAG.Value = "Y") = True Then
  &domainOk = True
End-If;

If (&domainOk <> True And
  &i = &domain.ActiveRowCount And
  All(&domain(1).CY2_PSS_DIR_PDM.DOMAIN.Value)) Then
  &domain(1).CY2_PSS_DIR_PDM.DEFAULT_FLAG.Value = "Y";
End-If;

&directoryOk = False;
&directories = &domain(&i).GetRowset(Scroll.CY2_PSS_DIR_DDT);
&fields = CreateRecord(Record.CY2_PSS_DIR_DDT);
For &j = 1 To &directories.ActiveRowCount

If (&directories(&j).CY2_PSS_DIR_DDT.DEFAULT_FLAG.Value = "Y") = True Then
  &directoryOk = True;
End-If;

If (&directoryOk <> True And
  &j = &directories.ActiveRowCount And
  All(&directories(1).CY2_PSS_DIR_DDT.SERVERNAME.Value)) Then
  &directories(1).CY2_PSS_DIR_DDT.DEFAULT_FLAG.Value = "Y";
End-If;

&directory = &directories(&j).CY2_PSS_DIR_DDT;

&topDirectory = Upper(&_directoryUtility.RemoveTrailingSeparator(&directory.CY2_TOP_DIRECTORY.Value));

For &k = 1 To &fields.FieldCount
  &fieldname = &fields.GetField(&k).Name;
  If Find("DIRECTORY", &fieldname) > 0 Then
    If All(&directory.GetField(@("FIELD" | "." | &fieldname)).Value) Then
      /* remove / \ from right side of the directory string */
      &filepath = &_directoryUtility.RemoveTrailingSeparator(&directory.GetField(@("FIELD" | "." | &fieldname)).Value);
      &directory.GetField(@("FIELD" | "." | &fieldname)).Value = &filepath;

      If Not FileExists(&filepath, %FilePath_Absolute) Then
        MessageBox(1, "", 25301, 10, "Directory %1 does not exist.", &filepath);
      End-If;
      &filepath = Upper(&filepath);
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP

```
/* check if all of the other directories fall within the top directory structure */
If (All(&filepath) And
    Find(&topDirectory, &filepath) = 0) Then
    MessageBox(1, "", 25301, 18, "Directory %1 does not fall within the top directory", &filepath);
End-If;
End-If;
End-If;
End-For;
End-For;
End-For;

end-method;

method CY2_PSS_DIR_DDT_DEFAULT_FLAG_FieldChange

Local Rowset &servers = GetRowset();
Local integer &currentRow = GetRow().RowNumber;
Local string &newflag = &servers(&currentRow).CY2_PSS_DIR_DDT.DEFAULT_FLAG.Value;
Local integer &i;

If &servers.ActiveRowCount > 1 And
    &newflag = "Y" Then
    For &i = 1 To &servers.ActiveRowCount
        If &servers(&i).CY2_PSS_DIR_DDT.DEFAULT_FLAG.Value = "Y" And
            &i <> &currentRow Then
                &servers(&i).CY2_PSS_DIR_DDT.DEFAULT_FLAG.Value = "N";
            End-If;
        End-For;
    End-If;
end-method;

method CY2_PSS_DIR_PDM_DEFAULT_FLAG_FieldChange

Local Rowset &servers = GetRowset();
Local integer &currentRow = GetRow().RowNumber;
Local string &newflag = &servers(&currentRow).CY2_PSS_DIR_PDM.DEFAULT_FLAG.Value;
Local integer &i;

If &servers.ActiveRowCount > 1 And
    &newflag = "Y" Then
    For &i = 1 To &servers.ActiveRowCount
        If &servers(&i).CY2_PSS_DIR_PDM.DEFAULT_FLAG.Value = "Y" And
            &i <> &currentRow Then
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_SETUP

```
&servers(&i).CY2_PSS_DIR_PDM.DEFAULT_FLAG.Value = "N";
End-If;
End-For;
End-If;
end-method;
```

Name Application Class: CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW**PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW**

```
import CY2_PSS_DIR:DirectoryViewer;
import SCC_FLUID:MODEL:Component;
import SCC_FLUID:MODEL:Panel;
import SCC_FLUID:UTIL:Popup;

class CY2_PSS_DIR_VIEW extends SCC_FLUID:MODEL:Component
    method CY2_PSS_DIR_VIEW();
    method PreBuild();
    method PostBuild();
    method CY2_PSS_DIR_DER_DOMAIN_FieldChange();
    method CY2_PSS_DIR_DER_SERVERNAME_FieldChange();
    method CY2_PSS_DIR_VW_CY2_FILENAME_FieldChange();
    method CY2_PSS_DIR_DER_CY2_UP_BTN_FieldChange();
    method CY2_PSS_DIR_DER_CY2_HOME_BTN_FieldChange();
    method CY2_PSS_DIR_VW_CY2_DIR_FILE_ACTNS_FieldChange();
    method CY2_PSS_DIR_VW_SCF_Activate();
    method CY2_PSS_ACT_VW_ACTIONNAME_FieldChange();
    method CY2_PSS_DIR_DER_FILE_DIRECTORY_FieldChange();

    property SCC_FLUID:MODEL:Panel Panel;

private
    method LoadActionsMenu(&rowset As Rowset, &actionValue As string, &actionLabel As string, &actionHoverText As string);

    instance string &_domain;
    instance string &_server;
    instance string &_permissionList;
    instance Record &_cy2PssDirVw;
    instance string &_action;
    instance string &_createDirectoryName;
    instance CY2_PSS_DIR:DirectoryViewer &_viewer;

end-class;

Component string &currentFileTransfer, &currentPathTransfer, &currentRequestTransfer;
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
method CY2_PSS_DIR_VIEW

    %Super = create SCC_FLUID:MODEL:Component();

end-method;

method PreBuild
    /* help text for viewer */
    CY2_PSS_DIR_DER.DESCRLONG_NOTES.Value = MsgGetExplainText(25301, 12, "");

    Local array of string &permissonLists = %PermissionLists;

    Local Rowset &rowset = CreateRowset(Record.CY2_PSS_DIR_PDM);
    &rowset.Fill();

    Local integer &i, &found;
    For &i = 1 To &rowset.RowCount
        &_permissionList = &rowset(&i).CY2_PSS_DIR_PDM.CLASSID.Value;
        &found = &permissonLists.Find(&_permissionList);
        If &found > 0 Then
            Break;
        End-If;
    End-For;
    /* check if user has permissions to view files */
    If &found > 0 Then
        Local string &domain, &server;
        SQLExec(SQL.CY2_PSS_DIR_SEL_DOMN_SERV_DEF, &_permissionList, &domain, &server);
        &_domain = &domain;
        &_server = &server;
        &_viewer = create CY2_PSS_DIR:DirectoryViewer(GetLevel0()(1).GetRowset(Scroll.CY2_PSS_DIR_VW), &_permissionList,
&_domain, &_server);
        &_viewer.UpdateRowset("", True);
        CY2_PSS_DIR_DER.CLASSID.Value = &_permissionList;
        CY2_PSS_DIR_DER.DOMAIN.Value = &_domain;
        CY2_PSS_DIR_DER.SERVERNAME.Value = &_server;
    Else
        CY2_PSS_DIR_DER.CLASSID.Visible = False;
        CY2_PSS_DIR_DER.DOMAIN.Visible = False;
        CY2_PSS_DIR_DER.SERVERNAME.Visible = False;
        MessageBox(0, "", 25301, 26, "You don't have access to any of the directories on the server");
    End-If;
end-method;
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
method PostBuild

    AddStyleSheet(StyleSheet.CY2_PSS_DIR);
    %This.Panel = %This.CreatePanel();
    %This.Render();
end-method;

method CY2_PSS_DIR_DER_DOMAIN_FieldChange
    Local string &server;

    &_domain = CY2_PSS_DIR_DER.DOMAIN.Value;
    CY2_PSS_DIR_DER.SERVERNAME.SetDefault();

    SQLExec(SQL.CY2_PSS_DIR_SEL_UNIQUE_SERVER, &_permissionList, &_domain, &server);
    &_server = &server;
    CY2_PSS_DIR_DER.SERVERNAME.Value = &_server;

    Local string &html;
    If LTrim(&_domain) <> "" And
        LTrim(&_server) <> "" Then
            &_viewer = create CY2_PSS_DIR:DirectoryViewer(GetLevel0()(1).GetRowset(Scroll.CY2_PSS_DIR_VW), &_permissionList,
&_domain, &_server);
            &_viewer.UpdateRowset("", True);
    End-If;

end-method;

method CY2_PSS_DIR_DER_SERVERNAME_FieldChange

    &_server = CY2_PSS_DIR_DER.SERVERNAME.Value;

    If LTrim(&_domain) <> "" And
        LTrim(&_server) <> "" Then
            &_viewer = create CY2_PSS_DIR:DirectoryViewer(GetLevel0()(1).GetRowset(Scroll.CY2_PSS_DIR_VW), &_permissionList,
&_domain, &_server);
            &_viewer.UpdateRowset("", True);
    End-If;

end-method;

method CY2_PSS_DIR_VW_CY2_FILENAME_FieldChange
    &_viewer.GoDown(getRow().CY2_PSS_DIR_VW.CY2_FILE_NAME.Value);
end-method;
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
method CY2_PSS_DIR_DER_CY2_UP_BTN_FieldChange
  &_viewer.GoUp();
end-method;

method CY2_PSS_DIR_DER_CY2_HOME_BTN_FieldChange
  &_viewer.GoHome();
end-method;

method CY2_PSS_DIR_VW_CY2_DIR_FILE_ACTNS_FieldChange
  Local string &actionMessage, &createDirectoryName;
  Local integer &resultChoice, &endModal;

  /* set current row - record for use in secundary page */
  &cy2PssDirVw = (GetRow().CY2_PSS_DIR_VW);

  (create SCC_FLUID:UTIL:Popup()).DisplayModalWindow(Page.CY2_PSS_DIR_VW_SCF, MsgGetText(25301, 31, "Actions"));

  Evaluate &_action
  When "UPLOAD";
    If (&_viewer.UploadFile(&cy2PssDirVw.CY2_FILE_NAME.Value)) Then
      &actionMessage = MsgGetText(25301, 32, "Upload a file in this directory");
    End-If;
    Break;
  When "CREATE";
    &endModal = (create SCC_FLUID:UTIL:Popup()).DisplayModalWindowRC(Page.CY2_PSS_DIR_CD_SCF, MsgGetText(25301, 49, "Create Directory"));
    &createDirectoryName = &_createDirectoryName;
    If &endModal = 1 And
      All(&createDirectoryName) Then
        &viewer.CreateDirectory(&cy2PssDirVw.CY2_FILE_NAME.Value, &createDirectoryName);
        &actionMessage = MsgGetText(25301, 33, "Create a directory in this directory");
      End-If;
      Break;
  When "DELETEDIRECTORY";
    &resultChoice = &_viewer.DeleteDirectory(&cy2PssDirVw.CY2_FILE_NAME.Value);
    If &resultChoice = %MsgResult_Yes Then
      &actionMessage = MsgGetText(25301, 34, "Delete this Directory");
    End-If;
    Break;
  When "VIEW";
    &viewer.ViewFile(&cy2PssDirVw.CY2_FILE_NAME.Value);
    &actionMessage = MsgGetText(25301, 35, "View this File");
    Break;
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
When "DOWNLOAD";
  &_viewer.DownloadFile(&_cy2PssDirVw.CY2_FILE_NAME.Value);
  &actionMessage = MsgGetText(25301, 36, "Download this File");
  Break;
When "DELETEFILE";
  &resultChoice = &_viewer.DeleteFile(&_cy2PssDirVw.CY2_FILE_NAME.Value);
  If &resultChoice = %MsgResult_Yes Then
    &actionMessage = MsgGetText(25301, 37, "Delete this File");
  End-If;
  Break;
When "UP";
  &_viewer.GoUp();
  Break;
When "DOWN";
  &_viewer.GoDown(&_cy2PssDirVw.CY2_FILE_NAME.Value);
  Break;
When "HOME";
  &_viewer.GoHome();
  Break;
When-Other
  /* user clicked cancel button */
  Break;
End-Evaluate;

&_action = "";
If All(&actionMessage) Then
  &Panel.SetConfirmationMessage(MsgGetText(25301, 38, "Action is completed", &actionMessage), False);
  &actionMessage = "";
End-If;

end-method;

method CY2_PSS_DIR_VW_SCF_Activate

Local Rowset &cy2PssActVw;
Local integer &i;

&cy2PssActVw = GetLevel0()(1).GetRowset(Scroll.CY2_PSS_ACT_VW);
&cy2PssActVw.Flush();

If (&_cy2PssDirVw.CY2_IS_FOLDER.Value = "Y") Then
  If (&_cy2PssDirVw.CY2_UPLOAD_FILE.Value = "Y") Then
    %This.LoadActionsMenu(&cy2PssActVw, "UPLOAD", MsgGetText(25301, 28, "Upload File"), MsgGetText(25301, 32,
    "Upload a file in this directory"));
  
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
End-If;

If (&_cy2PssDirVw.CY2_CREATE_DIR.Value = "Y") Then
    %This.LoadActionsMenu(&cy2PssActVw, "CREATE", MsgGetText(25301, 29, "Create Directory"), MsgGetText(25301, 33,
"Create a directory in this directory"));
End-If;

If (&_cy2PssDirVw.CY2_DELETE_DIR.Value = "Y") Then
    %This.LoadActionsMenu(&cy2PssActVw, "DELETEDIRECTORY", MsgGetText(25301, 30, "Delete Directory"),
MsgGetText(25301, 34, "Delete this Directory"));
End-If;

Else
    If (&_cy2PssDirVw.CY2_VIEW_FILE.Value = "Y") Then
        %This.LoadActionsMenu(&cy2PssActVw, "VIEW", MsgGetText(25301, 13, "View File"), MsgGetText(25301, 35, "View this
File"));
        %This.LoadActionsMenu(&cy2PssActVw, "DOWNLOAD", MsgGetText(25301, 14, "Download File"), MsgGetText(25301,
36, "Download this File"));
    End-If;
    If (&_cy2PssDirVw.CY2_DELETE_FILE.Value = "Y") Then
        %This.LoadActionsMenu(&cy2PssActVw, "DELETEFILE", MsgGetText(25301, 15, "Delete File"), MsgGetText(25301, 37,
"Delete this File"));
    End-If;
End-If;

%This.LoadActionsMenu(&cy2PssActVw, "UP", MsgGetText(25301, 39, "Up one level"), MsgGetText(25301, 42, "Go up one
level"));
%This.LoadActionsMenu(&cy2PssActVw, "DOWN", MsgGetText(25301, 40, "Down one level"), MsgGetText(25301, 43, "Go
down one level"));
%This.LoadActionsMenu(&cy2PssActVw, "HOME", MsgGetText(25301, 41, "Go Home"), MsgGetText(25301, 44, "Go to
home directory"));

end-method;

method CY2_PSS_ACT_VW_ACTIONNAME_FieldChange

    &_action = CY2_PSS_ACT_VW.ACTIONNAME.Value;
    EndModal(0);

end-method;

method LoadActionsMenu
    /+ &rowset as Rowset, +/
    /+ &actionValue as String, +/
    /+ &actionLabel as String, +/
```

PeopleCode text CY2_PSS_DIR:Components:CY2_PSS_DIR_VIEW

```
/+ &actionHoverText as String +/ 

If All(&rowset(1).CY2_PSS_ACT_VW.ACTIONNAME.Value) Then
  &rowset.InsertRow(&rowset.ActiveRowCount);
End-if;

&rowset(&rowset.ActiveRowCount).CY2_PSS_ACT_VW.ACTIONNAME.Value = &actionValue;
&rowset(&rowset.ActiveRowCount).CY2_PSS_ACT_VW.ACTIONNAME.Label = &actionLabel;
&rowset(&rowset.ActiveRowCount).CY2_PSS_ACT_VW.ACTIONNAME.HoverText = &actionHoverText;
end-method;

method CY2_PSS_DIR_DER_FILE_DIRECTORY_FieldChange

  &_createDirectoryName = CY2_PSS_DIR_DER.FILE_DIRECTORY.Value;

end-method;
```

Name Application Class: CY2_PSS_DIR:DirectoryUtility**PeopleCode text CY2_PSS_DIR:DirectoryUtility**

```
class DirectoryUtility

  method DirectoryUtility();
  method AddTrailingSeparator(&filepath As string) Returns string;
  method RemoveTrailingSeparator(&filepath As string) Returns string;

  property string DirectorySeparator get;
private
  instance string &_directorySeparator;

end-class;

method DirectoryUtility
  /*constructor*/
  If SubString(GetEnv("PS_SERVDIR"), 1, 1) <> "/" Then
    &_directorySeparator = "\";
  Else
    &_directorySeparator = "/";
  End-If;
end-method;

method AddTrailingSeparator
  /+ &filepath as String +/
  /+ Returns String +/
  If Right(&filepath, 1) = &_directorySeparator Then
```

PeopleCode text CY2_PSS_DIR:DirectoryUtility

```
Return &filepath;
Else
    Return &filepath | &_directorySeparator;
End-If;
end-method;

method RemoveTrailingSeparator
/+ &filepath as String +/
/+ Returns String +/

If Right(&filepath, 1) = &_directorySeparator Then
    Return Left(&filepath, Len(&filepath) - 1);
Else
    Return &filepath;
End-If;
end-method;

get DirectorySeparator
/+ Returns String +/
Return &_directorySeparator
end-get;
```

Name Application Class: CY2_PSS_DIR:DirectoryViewer**PeopleCode text CY2_PSS_DIR:DirectoryViewer**

```
import CY2_PSS_DIR:DirectoryUtility;

class DirectoryViewer
    method DirectoryViewer(&grid As Rowset, &permissionList As string, &domain As string, &server As string);
    method UpdateRowset(&directory As string, &absolute As boolean);
    method ViewFile(&fileName As string);
    method DownloadFile(&fileName As string);
    method DeleteFile(&fileName As string) Returns integer;
    method UploadFile(&directory As string) Returns boolean;
    method CreateDirectory(&directory As string, &directoryName As string);
    method DeleteDirectory(&directory As string) Returns integer;
    method GoHome();
    method GoUp();
    method GoDown(&fileName As string);

private
    instance string &_directorySeparator;
    instance string &_permissionList;
    instance string &_domain;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
instance string &_server;
instance string &_previousDirectory;
instance string &_currentDirectory;
instance Rowset &_grid;
instance string &_directoryUp;
instance string &_directoryHome;

instance array of string &_cannotView;
instance array of string &_cannotUpload;
instance array of string &_cannotDelete;
instance CY2_PSS_DIR:DirectoryUtility &_directoryUtility;

method FillRestrictions();
method GetFileExtension(&fileName As string) Returns string;
end-class;

Component string &currentFileTransfer, &currentPathTransfer, &currentRequestTransfer;

method DirectoryViewer
/+ &grid as Rowset, +/
/+ &permissionList as String, +/
/+ &domain as String, +/
/+ &server as String +/
&_directoryUtility = create CY2_PSS_DIR:DirectoryUtility();
&_directorySeparator = &_directoryUtility.DirectorySeparator;
&_permissionList = &permissionList;
&_domain = &domain;
&_server = &server;
&_grid = &grid;

&_cannotView = CreateArrayRept("", 0);
&_cannotDelete = CreateArrayRept("", 0);
&_cannotUpload = CreateArrayRept("", 0);
%This.FillRestrictions();
end-method;

method UpdateRowset
/+ &directory as String, +/
/+ &absolute as Boolean +/
Local string &homeDirectory, &topDdirectory, &deleteDirectory, &deleteCascade, &extension;
Local string &uploadDirectory, &uploadCascade, &viewDirectory, &viewCascade, &currentDirectoryCheck;
Local string &createDirDirectory, &createDirCascade, &deleteDirDirectory, &deleteDirCascade;
Local string &fileOrChildDirName, &fileOrChildDirPathAndName, &sizeLabel;
Local integer &i, &bytes;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
Local number &size;
Local array of string &items;

SQLExec(SQL.CY2_PSS_DIR_SEL_DIRECTORIES, &_permissionList, &_domain, &_server, &homeDirectory, &topDdirectory,
&deleteDirectory, &deleteCascade, &uploadDirectory, &uploadCascade, &viewDirectory, &viewCascade, &createDirDirectory,
&createDirCascade, &deleteDirDirectory, &deleteDirCascade);

&uploadDirectory = Upper(&uploadDirectory);
&viewDirectory = Upper(&viewDirectory);
&deleteDirectory = Upper(&deleteDirectory);
&createDirDirectory = Upper(&createDirDirectory);
&deleteDirDirectory = Upper(&deleteDirDirectory);

&_directoryHome = &homeDirectory;

/* start in the home directory */
If LTrim(&directory) = "" Then
  &directory = &_directoryHome;
End-If;

/* retrieve the directory in which this file/directory resides */
If &absolute Then
  &_currentDirectory = &directory;
Else
  If Substring(&_currentDirectory, Len(&_currentDirectory), 1) <> &_directorySeparator Then
    &_currentDirectory = &_currentDirectory | &_directorySeparator | &directory;
  Else
    &_currentDirectory = &_currentDirectory | &directory;
  End-If;
End-If;

&currentDirectoryCheck = Upper(&_currentDirectory);

/* start in the top directory, if outside the top directory*/
If Find(Upper(&topDdirectory), Upper(&_currentDirectory)) = 0 Then
  &_currentDirectory = &topDdirectory;
End-If;

&_directoryUp = &_currentDirectory;
For &i = Len(&_directoryUp) To 1 Step - 1
  If Right(&_directoryUp, 1) <> &_directorySeparator Then
    &_directoryUp = Left(&_directoryUp, Len(&_directoryUp) - 1);
  Else
    &_directoryUp = Left(&_directoryUp, Len(&_directoryUp) - 1);
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
Break;
End-If;
End-For;

CY2_PSS_DIR_DER.CY2_FILE_NAME.Value = &_currentDirectory;

/* check if the url at hand is a directory or a file */
Local JavaObject &javaDirectory = CreateJavaObject("java.io.File", &_currentDirectory);
If &javaDirectory.exists() Then
  If Not &javaDirectory.isFile() Then

    &_previousDirectory = &_currentDirectory;

    Local JavaObject &dateFormatter = CreateJavaObject("java.text.SimpleDateFormat", "dd/MM/yyyy HH:mm:ss");
    Local JavaObject &javaFiles = &javaDirectory.listFiles();
    Local JavaObject &arraysClass = GetJavaClass("java.util.Arrays");
    Local JavaObject &fileComparer = GetJavaClass("org.apache.commons.io.comparator.LastModifiedFileComparator");
    &arraysClass.sort(&javaFiles, &fileComparer.LASTMODIFIED_REVERSE);

    Local array of any &pcFiles = CreateArrayAny();
    If &javaFiles.length > 0 Then
      &pcFiles [&javaFiles.length] = Null;
      CopyFromJavaArray(&javaFiles, &pcFiles);
    End-If;

    Local JavaObject &javaFile;
    Local Record &rowRecord;
    Local Rowset &data = CreateRowset(Record.CY2_PSS_DIR_VW);

    For &i = 1 To &pcFiles.Len

      If &i > 1 Then
        &data.InsertRow(&i - 1);
      End-If;

      &rowRecord = &data(&data.ActiveRowCount).CY2_PSS_DIR_VW;

      &javaFile = &pcFiles [&i];
      &fileOrChildDirPathAndName = &javaFile.getCanonicalPath();
      &items = Split(&fileOrChildDirPathAndName, &_directorySeparator);
      &fileOrChildDirName = &items [&items.Len];

      &extension = "";
      &rowRecord.CY2_LAST_MODIFIED.Value = &dateFormatter.format(&javaFile.lastModified());
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
&rowRecord.CY2_FILE_NAME.Value = &fileOrChildDirName;

If &javaFile.isFile() Then /* object is file in the current file directory */

    /* set file size */
    &sizeLabel = " KB ";
    &bytes = &javaFile.length();
    If &bytes >= 1000000 Then

        If &bytes > 1000000000 Then
            &size = (&bytes / 1000000000);
            &sizeLabel = " GB ";
        Else
            &size = (&bytes / 1000000);
            &sizeLabel = " MB ";
        End-If;
        &size = Round(&size, 1);

    Else
        &size = (&bytes / 1000);
        &size = Round(&size, 1);
    End-If;

    &rowRecord.CY2_FILE_SIZE.Value = &size | &sizeLabel;

Else /* object is child file directory in the current file directory */
    &rowRecord.CY2_IS_FOLDER.Value = "Y";

    /* check upload file */
    If &uploadCascade = "Y" Then
        If Find(&uploadDirectory, Upper(&fileOrChildDirPathAndName)) <> 0 Then
            &rowRecord.CY2_UPLOAD_FILE.Value = "Y";
        End-If;
    Else
        If &uploadDirectory = Upper(&fileOrChildDirPathAndName) Then
            &rowRecord.CY2_UPLOAD_FILE.Value = "Y";
        End-If;
    End-If;

    /* check create directory */
    If &createDirCascade = "Y" Then
        If Find(&createDirDirectory, Upper(&fileOrChildDirPathAndName)) <> 0 Then
            &rowRecord.CY2_CREATE_DIR.Value = "Y";
        End-If;
    End-If;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
End-If;

Else
  If &createDirDirectory = Upper(&fileOrChildDirPathAndName) Then
    &rowRecord.CY2_CREATE_DIR.Value = "Y";
  End-If;
End-If;

/* check delete directory */
If &deleteDirCascade = "Y" Then
  If Find(&deleteDirDirectory, Upper(&fileOrChildDirPathAndName)) <> 0 And
    &deleteDirDirectory <> Upper(&fileOrChildDirPathAndName) Then
      &rowRecord.CY2_DELETE_DIR.Value = "Y";
  End-If;
Else
  /* check if there is only 1 "/" in the &fileOrChildDirPathAndName beyond the &deleteDirDirectory */
  Local string &checkPath = Substitute(Upper(&fileOrChildDirPathAndName), &deleteDirDirectory, "");
  Local boolean &isGrandChildDir = DBPatternMatch(&checkPath, "%/%%", False);

  If Find(&deleteDirDirectory, Upper(&fileOrChildDirPathAndName)) <> 0 And
    &deleteDirDirectory <> Upper(&fileOrChildDirPathAndName) And
    ( Not &isGrandChildDir) Then
    &rowRecord.CY2_DELETE_DIR.Value = "Y";
  End-If;
End-If;
End-If;
End-For;
End-If;
End-If;

&data.CopyTo(&_grid);
For &i = 1 To &_grid.ActiveRowCount
  &rowRecord = &_grid(&i).CY2_PSS_DIR_VW;
  If All(&rowRecord.CY2_FILE_NAME.Value) Then

    &rowRecord.CY2_FILE_NAME.Label = &rowRecord.CY2_FILE_NAME.Value;
    /* enable row actions */
    &rowRecord.CY2_DIR_FILE_ACTNS.Enabled = True;

    If &rowRecord.CY2_IS_FOLDER.Value <> "Y" Then

      &extension = Upper(%This.GetFileExtension(&rowRecord.CY2_FILE_NAME.Value));
      &rowRecord.CY2_FILE_NAME.Enabled = False;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
/* file action checks */

/* check if the file may be viewed / downloaded */
If &viewCascade = "Y" Then
    If Find(&viewDirectory, &currentDirectoryCheck) <> 0 Then
        &rowRecord.CY2_VIEW_FILE.Value = "Y";
    End-If;
Else
    If &viewDirectory = &currentDirectoryCheck Then
        &rowRecord.CY2_VIEW_FILE.Value = "Y";
    End-If;
End-If;

If &_cannotView.Find(&extension) > 0 Then
    &rowRecord.CY2_VIEW_FILE.Value = "N";
End-If;

/* check if the file may be deleted */
If &deleteCascade = "Y" Then
    If Find(&deleteDirectory, &currentDirectoryCheck) <> 0 Then
        &rowRecord.CY2_DELETE_FILE.Value = "Y";
    End-If;
Else
    If &deleteDirectory = &currentDirectoryCheck Then
        &rowRecord.CY2_DELETE_FILE.Value = "Y";
    End-If;
End-If;

If &_cannotDelete.Find(&extension) > 0 Then
    &rowRecord.CY2_DELETE_FILE.Value = "N";
End-If;

Else
    /* folder appearance */
    &rowRecord.CY2_FILE_NAME.AddFFClass("psc_bold");
    &rowRecord.CY2_FILE_NAME.Enabled = True;
End-If;

Else
    /* disable row actions */
    &rowRecord.CY2_DIR_FILE_ACTNS.Enabled = False;
End-If;
End-For;

&rowRecord = &_grid(1).CY2_PSS_DIR_VW;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
If None(&rowRecord.CY2_FILE_NAME.Value) Then
    &rowRecord.CY2_FILE_NAME.Label = " ";
    &rowRecord.CY2_DELETE_FILE.Label = " ";
    &rowRecord.CY2_UPLOAD_FILE.Label = " ";
End-if;

Local Grid &grid = GetGrid(Page.CY2_PSS_DIR_VW_FL, "CY2_PSS_DIR_VW");
Local GridColumn &column = &grid.GetColumn("CY2_FILENAME");
&column.Label = MsgGetText(25301, 20, "File / Directory");
end-method;

method FillRestrictions
    Local SQL &sql = GetSQL(SQL.CY2_PSS_DIR_SEL_EXT_RESTRICT, &_permissionList);
    Local string &fileExtension, &cannotView, &cannotUpload, &cannotDelete;
    While &sql.Fetch(&fileExtension, &cannotView, &cannotUpload, &cannotDelete);
        If &cannotView = "Y" Then
            &_cannotView.Push(&fileExtension);
        End-If;
        If &cannotUpload = "Y" Then
            &_cannotUpload.Push(&fileExtension);
        End-If;
        If &cannotDelete = "Y" Then
            &_cannotDelete.Push(&fileExtension);
        End-If;
    End-While;
end-method;

method GetFileExtension
    /* &fileName as String */
    /* Returns String */
    Local array of string &items = Split(&fileName, ".");
    If &items.Len < 2 Then
        Return "";
    End-If;

    Return &items [&items.Len];
end-method;

method ViewFile
    /* &fileName as String */

    Local string &guid = UuidGen();
    Local number &retcode = PutAttachment(URL.FILEDB, &guid, &_currentDirectory | &_directorySeparator | &fileName);
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
If &retcode = %Attachment_Success Then
    &retcode = ViewAttachment(URL.FILEDB, &guid, &fileName);

If &retcode <> %Attachment_Success Then
    MessageBox(1, "File Attachment Status", 25301, 27, "Unable to retrieve file");
End-If;

    &retcode = DeleteAttachment(URL.FILEDB, &guid);
End-If;

end-method;

method DownloadFile
/+ &fileName as String +/

Local string &guid = UuidGen();
Local number &retcode = PutAttachment(URL.FILEDB, &guid, &_currentDirectory | &_directorySeparator | &fileName);

If &retcode = %Attachment_Success Then
    &retcode = DetachAttachment(URL.FILEDB, &guid, &fileName);

If &retcode <> %Attachment_Success Then
    MessageBox(1, "File Attachment Status", 25301, 27, "Unable to retrieve file");
End-If;

    &retcode = DeleteAttachment(URL.FILEDB, &guid);
End-If;

end-method;

method DeleteFile
/+ &fileName as String +/
/+ Returns Integer +/
Local number &answer = MessageBox(%MsgStyle_YesNo, "", 25301, 22, "Are you sure you want to delete %1", &fileName);
If &answer = %MsgResult_Yes Then
    Local File &deletefile = GetFile(&_currentDirectory | &_directorySeparator | &fileName, "R", "A", %FilePath_Absolute);
    &deletefile.Delete();
    %This.UpdateRowset(&_currentDirectory, True);
End-If;

Return &answer;
end-method;

method UploadFile
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
/* &directory as String */
/* Returns Boolean */

Local string &fileName;
Local boolean &success;

/* Load the attachment from client to record PSFILE_ATTDET */
Local integer &return = AddAttachment(URL.FILEDB, "", "", &fileName);
&success = True;

/* Continue in case Cancel button is NOT clicked */
If &return <> %Attachment_Cancelled Then

    If &return <> %Attachment_Success Then
        MessageBox(1, "File Attachment Status", 25301, 23, "Upload to Application Server failed");
        Return False;
    End-If;

    Local string &extension = %This.GetFileExtension(&fileName);
    If &_cannotUpload.Find(&extension) = 0 Then
        /* set variable for destination on appserver, inclusieve file name */
        Local string &path = &_currentDirectory | &_directorySeparator | &directory;
        Local string &destination = &path | &_directorySeparator | &fileName;

        /* Put the attachment on the destination */
        &return = GetAttachment(URL.FILEDB, &fileName, &destination);
        If &return = %Attachment_Failed Then
            MessageBox(1, "File Attachment Status", 25301, 23, "Upload to Application Server failed");
            &success = False;
        End-If;

        /* Remove the attachment from record PSFILE_ATTDET*/
        &return = DeleteAttachment(URL.FILEDB, &fileName);
        %This.UpdateRowset(&path, True);
    Else
        MessageBox(1, "File Attachment Status", 25301, 24, "%1 files cannot be uploaded", &extension);
        Return False;
    End-If;
    Else
        Return False;
    End-If;

    Return &success;
end-method;
```

PeopleCode text CY2_PSS_DIR:DirectoryViewer

```
method CreateDirectory
/+ &directory as String, +/
/+ &directoryName as String +/
.CreateDirectory(&_currentDirectory | &_directorySeparator | &directory | &_directorySeparator | &directoryName,
%FilePath_Absolute);
%This.UpdateRowset(&_currentDirectory | &_directorySeparator | &directory /*switch on this part if you want to open the
new directory | &_directorySeparator | &directoryName */, True);

end-method;

method DeleteDirectory
/+ &directory as String +/
/+ Returns Integer +/
Local number &answer = MessageBox(%MsgStyle_YesNo, "", 25301, 22, "Are you sure you want to delete %1", &directory);
If &answer = %MsgResult_Yes Then
    RemoveDirectory(&_currentDirectory | &_directorySeparator | &directory, %FilePath_Absolute + %Remove_Subtree);
    %This.UpdateRowset(&_currentDirectory, True);
End-if;

Return &answer;
end-method;

method GoHome
%This.UpdateRowset(&_directoryHome, True);
end-method;

method GoUp
%This.UpdateRowset(&_directoryUp, True);
end-method;

method GoDown
/+ &fileName as String +/
%This.UpdateRowset(&fileName, False);
end-method;
```

Permission Lists

Name Permission list: CY2_PSS_DIRECTORY PeopleSoft serv directory view

General Pages PeopleTools Process Sign-on Times Component Interfaces

Permission List CY2_PSS_DIRECTORY

Description PeopleSoft serv directory view

Permission List General

Navigator Homepage

Can Start Application Server?
 Allow Password to be Emailed?

Time-out Minutes

Never Time-out
 Specific Time-out (minutes)

Save Return to Search Add Update/Display

General | Pages | PeopleTools | Process | Sign-on Times | Component Interfaces | Web Libraries | Web Services | /

The following menu is defined in the permission list.

General Pages PeopleTools Process Sign-on Times Component Interfaces

Permission List CY2_PSS_DIRECTORY

Description PeopleSoft serv directory view

Mobile Page Permissions

Menus	Personalize Find View All First 1 of 1	
Menu Name	Menu Label	Edit Components
CY2_PSS_DIR_MENU	Cy2 Dir App Server Menu	

The following components are authorised in the menu.

Component Permissions

Cy2 Dir App Server Menu

Components				
Authorized?	Component Name	Item Label	Edit Pages	View Content References for this Component
<input checked="" type="checkbox"/>	CY2_PSS_DIR_SETUP	PS servers directory setup	Edit Pages	View
<input checked="" type="checkbox"/>	CY2_PSS_DIR_VW_FL	PS servers directory view	Edit Pages	View

First 1-2 of 2 Last

Select All Deselect All

OK Cancel

Portal Registry Structures

Name Portal registry structure item: CY2_PSS_DIR_SETUP_GBL

Explanation item:

Setup page for the viewing, deleting, downloading and uploading of files in directories on PeopleSoft servers.

Details item:

Portal	Type	Label	Effective date	Expire date
EMPLOYEE	Component	PS servers directory setup	2010-01-18	

Parent object	Content Provider Name	Usage type	Template Type	Storage Type
CY2_PSS_DIR	LOCAL_NODE	Target	HTML template	Remote by URL

URL type	Template name	IsPublic	URL text
PeopleSoft Component	DEFAULT_TEMPLATE	2	c/CY2_PSS_DIR_MENU.C Y2_PSS_DIR_SETUP.GBL

Name Portal registry structure item: CY2_PSS_DIR_VW_FL_GBL

Explanation item:

View, delete, download or upload files in directories on PeopleSoft servers.

Details item:

Portal	Type	Label	Effective date	Expire date
EMPLOYEE	Component	PS servers directory view	2021-01-23	

Parent object	Content Provider Name	Usage type	Template Type	Storage Type
CY2_PSS_DIR	LOCAL_NODE	Target	No template	Remote by URL

URL type	Template name	IsPublic	URL text
PeopleSoft Component	DEFAULT_TEMPLATE	2	c/CY2_PSS_DIR_MENU.C Y2_PSS_DIR_VW_FL.GBL

Name Portal registry structure item: CY2_FOLDER

Explanation item:

N/A

Details item:

Portal	Type	Label	Effective date	Expire date
EMPLOYEE	Folder	CY2 projects	2015-06-23	

Parent object	Content Provider Name	Usage type	Template Type	Storage Type
PORTAL_ROOT_OBJECT				

URL type	Template name	IsPublic	URL text
		1	

Name Portal registry structure item: CY2_PSS_DIR

Explanation item:

View, delete, download and upload files to directories of PeopleSoft servers.

Details item:

Portal	Type	Label	Effective date	Expire date
EMPLOYEE	Folder	PeopleSoft servers directory	1901-01-01	

Parent object	Content Provider Name	Usage type	Template Type	Storage Type
CY2_FOLDER				

URL type	Template name	IsPublic	URL text
		1	

Message Catalog Entries

Name Message set: 25301 CY2 Directory Viewer

Details messages:

Number	Severity	Message Text	Message Explain Text
1	Message	PeopleSoft servers directory setup	Page title page CY2_PSS_DIR_SETUP
2	Message	Domain setup values	scroll header title page CY2_PSS_DIR_SETUP
3	Message	View	Tab title grid page CY2_PSS_DIR_SETUP
4	Message	Delete	Tab title grid page CY2_PSS_DIR_SETUP
5	Message	PeopleSoft servers directory view	Page title CY2_PSS_DIR_VIEW
6	Message	Download	Tab title grid page CY2_PSS_DIR_SETUP
7	Message	Upload	Tab title grid page CY2_PSS_DIR_SETUP
8	Message	General	Tab title grid page CY2_PSS_DIR_SETUP
9	Message	Domain	scroll header title page CY2_PSS_DIR_SETUP
10	Error	Directory %1 does not exist.	The directory you have specified does not exist. Check the filepath and remember that the file path can be case sensitive.

11	Message	Explanation PS servers directory setup	<pre> <style type="text/css"> div h1{ font: bold 12px arial; color: #CF5200; margin:10px; } div h2{ font: bold 14px arial; color: #CF5200; margin:10px; } div p{font: 12px arial; margin:10px; } .explain{-moz-box-sizing: border-box; padding: 0 px; width: 500px; height: 1950px; } </style> <div class = "explain"> <h1>Permission list:</h1> <p>Rights to view, download, delete, upload files and create, delete directories in the different server directories are based on permission lists issued to users.</p> <h1>Description:</h1> <p>Enter a description for the set of directory permissions.</p> <h1>Domain:</h1> <p>Enter the name of the PeopleSoft domain.</p> <h1>Set default:</h1> <p>Tick the box to set this domain as the default domain for viewing directories.</p> <h1>Description:</h1> <p>Enter a description for the PeopleSoft domain.</p> <h2>General:</h2> <p>Grid tab which holds general information about the server directory.</p> <h1>Server Name:</h1> <p>Enter a name for the server. Within a domain multiple servers (app server(s), file server(s), webserver(s), etc) can reside. Every server will need its own row with directory values.</p> <h1>General on directories:</h1> <p>When you want to use multiple servers per domain, you</p> </pre>
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		<p>must use a unique notation (e.g. UNC notation) for directories so the tool can differ between the different servers. The directory permissions of the user used by PeopleSoft to access files on the different servers determine the overall rights to directories. It is not possible to access directories or perform file actions that the PeopleSoft system user can't access or perform.</p> <p>Set default:</p> <p>Tick the box to set this server as the default server (for the default domain) for viewing directories.</p> <p>Home directory:</p> <p>Set the home directory for viewing directories on this server. The home directory will be available as an action and a button in all the directory views.</p> <p>Top directory:</p> <p>Set the top directory for viewing directories on this server. No directories above this directory will be accessible by users.</p> <p>View:</p> <p>Grid tab which holds information about the viewing rights in the server directory.</p> <p>View directory:</p> <p>Set the view directory to define in which directory users can view the contents of files.</p> <p>Cascade:</p> <p>Tick the cascade checkbox to cascade the file content viewing rights to all underlying directories of the view directory.</p> <p>Delete:</p> <p>Grid tab which holds information about the delete rights in the server directory.</p>
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		<p><h1>Delete directory:</h1></p> <p><p>Set the delete directory to define in which directory users can delete files.</p></p> <p><h1>Cascade:</h1></p> <p><p>Tick the cascade checkbox to cascade the file delete rights to all underlying directories of the delete directory.</p></p> <p><h2>Download:</h2></p> <p><p>Grid tab which holds information about the download rights in the server directory.</p></p> <p><h1>Download directory:</h1></p> <p><p>Set the download directory to define from which directory users can download files.</p></p> <p><h1>Cascade:</h1></p> <p><p>Tick the cascade checkbox to cascade the file download rights to all underlying directories of the download directory.</p></p> <p><h2>Upload:</h2></p> <p><p>Grid tab which holds information about the upload rights in the server directory.</p></p> <p><h1>Upload directory:</h1></p> <p><p>Set the upload directory to define to which directory users can upload files.</p></p> <p><h1>Cascade:</h1></p> <p><p>Tick the cascade checkbox to cascade the file upload rights to all underlying directories of the upload directory.</p></p> <p><h2>Create Directory:</h2></p> <p><p>Grid tab which holds information about the create directories rights in the server directory.</p></p> <p><h1>Create Directories directory:</h1></p> <p><p>Set the create directories directory to define in which directory users can create child</p>
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		<p>directories.</p></p> <p>Cascade:</h1></p> <p><p>Tick the cascade checkbox to cascade the create directories rights to all underlying directories of the create directories directory.</p></p> <p>Delete Directory:</h2></p> <p><p>Grid tab which holds information about the delete directories rights in the server directory.</p></p> <p>Delete Directories directory:</h1></p> <p><p>Set the delete directories directory to define which directory users can delete.</p></p> <p>Cascade:</h1></p> <p><p>Tick the cascade checkbox to cascade the delete directory rights to all underlying directories of the delete directories directory. Note that if you DO NOT set the cascading permissions, Child directories cannot be deleted if they have child directories beneath them.</p></p> <p>File Extension Restrictions:</h2></p> <p><p>Grid which sets restrictions to files with certain extensions for all directories.</p></p> <p>File Extension:</h1></p> <p><p>Set the file extension that should not be viewed, uploaded or deleted.</p></p> <p>Cannot View:</h1></p> <p><p>Tick the 'Cannot View' checkbox to prevent files with this extension from being viewed or downloaded to view.</p></p> <p>Cannot Upload:</h1></p> <p><p>Tick the 'Cannot Upload' checkbox to prevent files with this extension from being</p>
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		<p>uploaded.</p></p> <p><h1>Cannot Delete:</h1></p> <p><p>Tick the 'Cannot Delete' checkbox to prevent files with this extension from being deleted.</p></p> <p></div></p>
--	--	--

12	Message	Explanation PS servers directory view	<pre> <style type="text/css"> div h1{ font: bold 12px arial; color: #CF5200; margin:10px; } div h2{ font: bold 14px arial; color: #CF5200; margin:10px; } div p{font: 12px arial; margin:10px; } .explain{-moz-box-sizing: border-box; padding: 0 px; width: 500px; height: 900px; } </style> <div class = "explain"> <h1>Domain:</h1> <p>Choose the PeopleSoft domain of which you want to view the directory.</p> <h1>Server:</h1> <p>Choose the server within the chosen domain of which you want to view the directory.</p> <h1>Up:</h1> <p>Clicking the 'Up' button will take you one directory up.</p> <h1>Home:</h1> <p>Clicking the 'Home' button will take you to the home directory of this server.</p> <h1>File / Directory:</h1> <p>If a name is displayed in blue, it's a directory and clicking it will take you into that directory.</p> <p>If a name is displayed in black, its a file.</p> <h2>Actions:</h2> <p>Actions are context sensitive to files / directories and security setup for types of files</p> <h1>Upload File:</h1> <p>Clicking the 'Upload file' line lets you upload a file to this directory.</p> <h1>Create Directory:</h1> <p>Clicking the 'Create Directory' line lets you create a directory in this directory.</p> <h1>Delete Directory:</h1> </pre>
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			<p><p>Clicking the 'Delete Directory' line lets you delete this directory.</p></p> <p><h1>View File:</h1></p> <p><p>Clicking the 'View File' line lets you view the content of this file. Please note that according to the configuration of your browser the file will open in a new browser tab or will download to your local machine.</p></p> <p><h1>Download File:</h1></p> <p><p>Clicking the 'Delete File' line lets you download this file to your local machine.</p></p> <p><h1>Delete file:</h1></p> <p><p>Clicking the 'Delete File' line lets you delete this file.</p></p> <p><h1>Up one level:</h1></p> <p><p>Clicking the 'Up one level' line lets you navigate to the directory above the current directory. This action performs the same action as clicking the 'Up' button.</p></p> <p><h1>Down one level:</h1></p> <p><p>Clicking the 'Down one level' line lets you navigate to the directory below the current directory.</p></p> <p><h1>Go Home:</h1></p> <p><p>Clicking the 'Go Home' line lets you navigate to the directory below the current directory. This action performs the same action as clicking the 'Home' button.</p></p>
13	Message	View File	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF
14	Message	Download File	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF
15	Message	Delete File	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF

16	Message	Up	
17	Message	Home	
18	Error	Directory %1 does not fall within the top directory	All directories must fall within the structure of the top directory, otherwise problems with the security of the directory structure may occur.
19	Message	You don't have access to any of the directories on the server.	Please contact your security administrator if you feel this message is in error.
20	Message	File / Directory	
21	Message	Unable to delete file	
22	Message	Are you sure you want to delete %1	
23	Message	Upload to Application Server failed	
24	Message	%1 files cannot be uploaded	
25	Message	File Extension Restrictions	
26	Message	You don't have access to any of the directories on the server	
27	Message	Unable to retrieve file	
28	Message	Upload File	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF
29	Message	Create Directory	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF
30	Message	Delete Directory	Action item name field ACTIONNAME on page CY2_PSS_DIR_ACT_SCF
31	Message	Actions	Title page CY2_PSS_DIR_ACT_SCF
32	Message	Upload a file in this directory	
33	Message	Create a directory in this directory	
34	Message	Delete this directory	
35	Message	View this file	
36	Message	Download this file	
37	Message	Delete this file	
38	Message	Action: %1 is completed.	
39	Message	Up one level	
40	Message	Down one level	
41	Message	Go Home	
42	Message	Go up one level	

43	Message	Go down one level	
44	Message	Go to home directory	
45	Message	Create Directory	
46	Message	Delete Directory	
47	Message	CY2_PSS_DIR_VW_SCF	Page name subpage in page defintion
48	Message	CY2_PSS_DIR_CD_SCF	Page name subpage in page defintion
49	Message	Create Directory	CY2_PSS_DIR_CD_SCF

Stylesheets

Name Stylesheet: CY2_PSS_DIR

```
/*
 * CY2 Directy viewer, CSS, 23/01/2021
 * Stylesheet for directory viewer
 *
 */
```

```
.cy2_blue_bolder > .ps-link-wrapper > .ps-link:not([disabled]){
font-weight: bolder;
}
```

```
.cy2_pss-actions-modal-size {
min-width: 230px;
min-height: 280px;
}
```

```
.cy2_pss-directory-modal-size {
min-width: 400px;
min-height: 150px;
}
```

```
/*
 * Styles for grid column width. Use in PAGEFIELD
 */
```

```
th[class*="CY2_COLUMN20"],td[class*="CY2_COLUMN20"]{
width:20%;
}
```

```
th[class*="CY2_COLUMN25"],td[class*="CY2_COLUMN25"]{
width:25%;
}
```

```

th[class*="CY2_COLUMN33"],td[class*="CY2_COLUMN33"]{
width:33%;
}

th[class*="CY2_COLUMN50"],td[class*="CY2_COLUMN50"]{
width:50%;
}

th[class*="CY2_FILENAME"],td[class*="CY2_FILENAME"]{
width:30%;
}

/*
* Styles for List Grid View Styles. Use in list grid
*/
.psa_modal-anchor .ps_box-grid-header, .psa_hide-page-header {
display: none;
}

.psa_overflow > .ps_box-value, .psa_overflow > .ps-link-wrapper, .psa_list-grid-anchor X .psa_overflow {
width: 100%;
}

.psa_overflow > .ps-link-wrapper > .ps-link, .psa_cum-gpa-sff-anchor > .ps_box-gridc li.ps_grid-row > .ps_box-edit {
width: 100%;
overflow: hidden;
text-overflow: ellipsis;
}

/* Begin, List Grid View Styles */
.psa_list-grid-anchor .ps_box-gridc {
border-top: 1px solid #DDD;
}

.psa_list-grid-anchor .ps_box-gridc .ps_grid-body {
padding: 0px;
}

.psa_list-grid-anchor .ps_grid-list li.ps_grid-row {
border-top: 1px solid #D3D3D3;
padding-top: 0.5em;
padding-bottom: 0.5em;
padding-left: 0.5em;
}

```

```
list-style: none;
}

.psa_list-grid-anchor > .ps_header-group {
margin-bottom: 0px;
border-bottom: none;
}

.psa_list-grid-anchor .ps_grid-list .ps_box-edit {
margin-bottom: 0px;
}

.psa_list-grid-anchor .ps_grid-flex .ps_box-edit .ps_box-value,
.psa_cum-gpa-sff-anchor > .ps_box-gridc li.ps_grid-row > .ps_box-edit {
width: 100%;
overflow: hidden;
text-overflow: ellipsis;
}

.psa_list-grid-anchor .psa_view-grade-sff-anchor .ps_grid-list .ps_box-edit .ps_box-value {
width: 66%;
white-space: normal;
vertical-align: top;
line-height: 1.5em;
}

.psa_list-grid-anchor .ps_grid-list .ps_box-edit .ps_box-value {
white-space: normal;
}

.psa_list-grid-anchor .ps_grid-flex .ps_box-edit .ps_box-label {
vertical-align: top;
line-height: 1.5em;
}

.psa_list-grid-anchor .ps_grid-list .ps_grid-row span {
line-height: 1.5em;
}

.psa_list-grid-anchor .ps_grid-list .ps_grid-row .ps_box-link {
vertical-align: top;
}

.psa_list-grid-anchor .ps_box-gridc li.ps_grid-row:last-child {
```

```

border-bottom: 1px solid #D3D3D3;
}

.psa_list-grid-anchor .ps_grid-list li.ps_grid-row:first-child {
border-top: 0px;
}

.psa_list-grid-anchor .ps_grid-list {
border: 1px solid #D3D3D3;
}

.psa_list-grid-anchor .ps_box-gridc .ps_grid-row .ps_box-edit .ps_box-label .ps-label {
white-space: nowrap !important;
}
/* End, List Grid View Styles */

```

Translate values

Field: CY2_DIR_FILE_ACTNS

Details field:

Value	Effdt	Status	Short Name	Long Name
1	01/01/1901	Active	View	Upload File
2	01/01/1901	Active	Upload	View File
3	01/01/1901	Active	Delete	Delete File
4	01/01/1901	Active	Create Dir	Create Directory
5	01/01/1901	Active	Delete Dir	Delete Directory

7. MISCELLANEOUS

7.1. OTHER RELEVANT INFORMATION

Installation and functional documentation for this project are described in two other documents that are delivered as part of the change package (Documentation folder).

“ / ”

That's all folks, good luck using the functionality, hope you enjoy it as much as we do!