Chicago Interface Group, Inc.

Cloud 9 for SCLM User Guide

Version 2.0

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Chapter 1: Overview

What is Cloud 9?

Cloud 9 is a powerful front-end application that provides SCLM users with a platform-transparent change management tool. Cloud 9 can perform all SCLM actions, including PDS and UNIX System Services file manipulation – all from a familiar and easy-to-use web based interface.

Cloud 9 connects remote or Intranet users to their legacy systems via the industry-standard web browsers. Utilizing existing web technology, the WebSphere Server, and the source management capabilities of SCLM, Cloud 9 allows developers distributed access to the programmer functions of SCLM without having to log on to ISPF. Programmers can now access both distributed and legacy application inventory regardless of location or host based licensing restrictions. Cloud 9 allows organizations to take advantage of the security and stability of SCLM and the z/OS platform from their Internet browser.

Chapter Overview

This chapter will describe getting started using Cloud 9, including how to

- Logon
- Set up your profile
- List objects
- Navigate menus

You will need to have the following:

- URL for Cloud 9 (web address)
- User ID for mainframe access
- Password for mainframe
- Dataset name to view files on the mainframe
- An industry standard browser
- Your email address and phone number
- Digitized photograph of yourself in .jpg format (optional)

Launching Cloud 9

1. To access Cloud 9, open a browser.
2. Type the URL for Cloud 9 in the location/address field and press ENTER. Figure 1.1 appears before the next browser window opens.

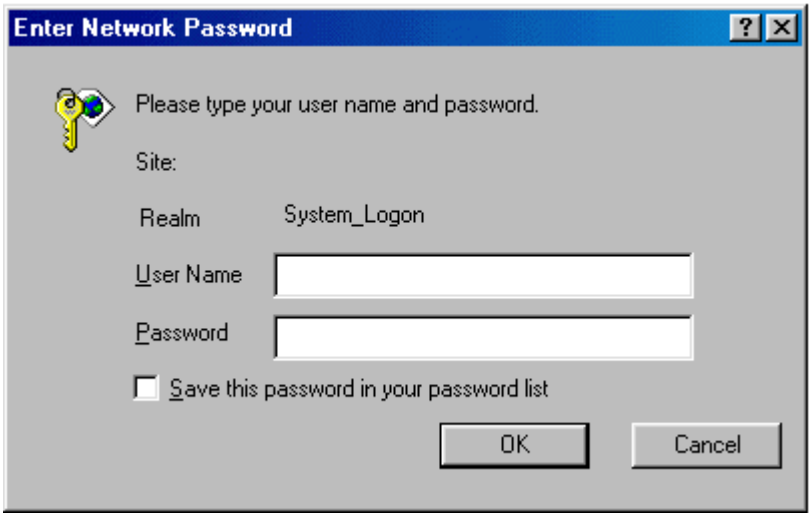


Figure 1.1 Password Dialog Screen

3. Type in your User Name and Password.
4. Press **OK.**

If the password screen does not appear, you may not have the correct web address (URL). Check with the system programmer to ensure you have the correct address. If the Password Dialog Screen remains after entering User Name & Password, verify the entries are valid and the password has not expired

The Cloud 9 Main Screen

The next screen you see will be Figure 1.2.

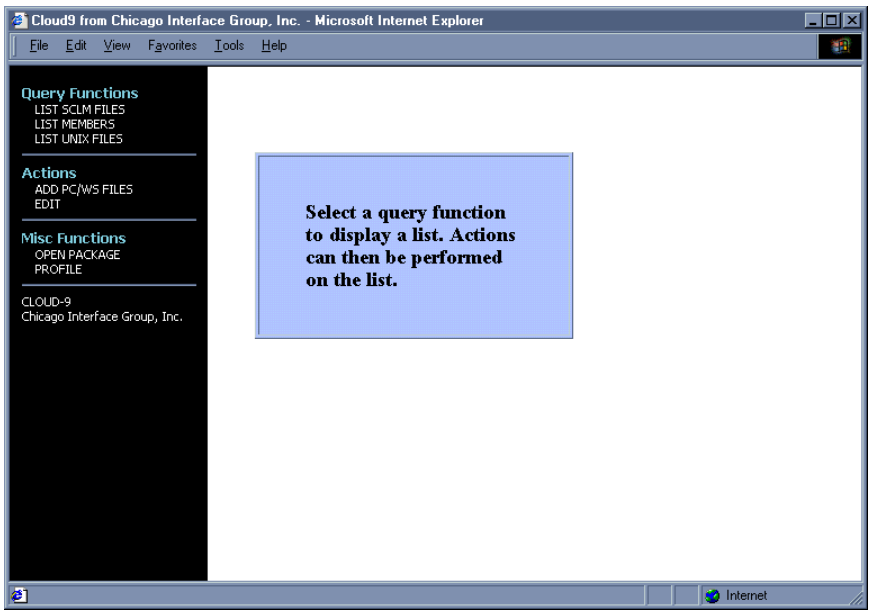


Figure 1.2 Cloud 9 Main Menu

Setting Your Profile

It is important that you set your profile before you begin using the system. Setting your profile:

- Creates a job card; without one you cannot run batch actions
- Improves communication with other users by providing your phone and email contacts
- Automatically launches browser and editors

To set your profile:

1. Select **Profile** from the Cloud 9 Main Menu. The Profile panel will appear (Figure 1.3 on following page).

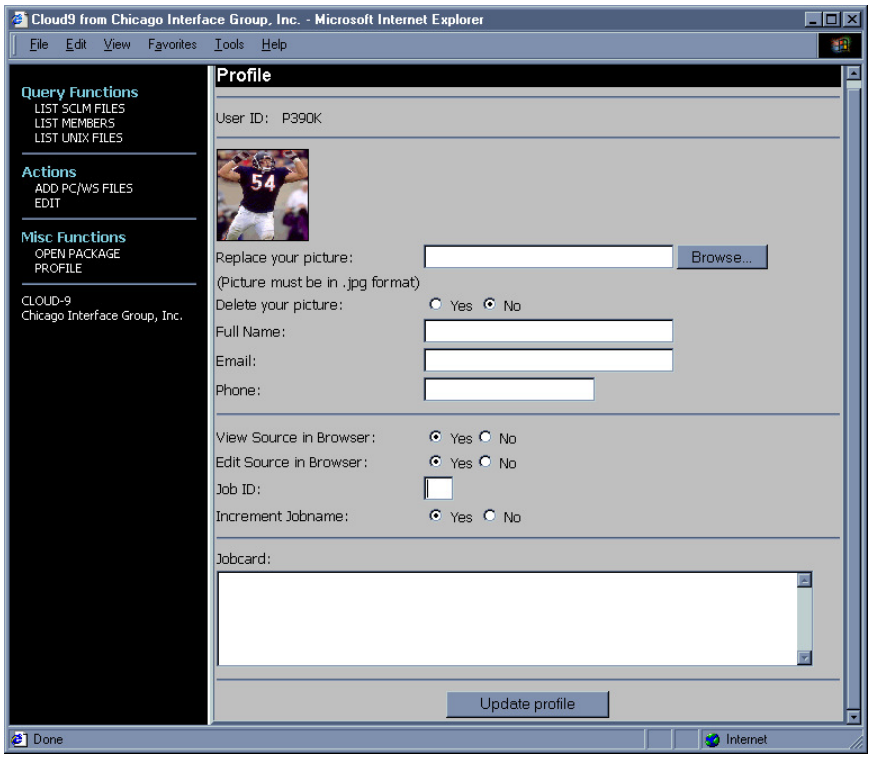


Figure 1.3 The Profile Page

2. Type your name, email address, and phone number in the appropriate boxes.

How to Add Your Picture (Optional)

The first field in the Profile panel asks you for the location of a photograph. If you already have a digital version of a photograph, find that file on your hard drive by pressing the Browse button. Select the picture file and click the Update profile button.

(If you do not have a digital photograph, please see Appendix A for suggestions for getting one.)

Note: The picture must be in a file with a **.jpg** extension.

Add your picture	File Path where .jpg picture resides
Full Name	Your full name
Email	Your email address
Phone	Your phone number
View Source in Browser	Yes/No Yes- all source viewed with browser No- Prompt for download or browser
Edit Source in Browser	Yes/No Yes- all source edited in browser No- Prompt for download or browser
Job ID	Letter appended to Jobname
Jobcard	Standard Jobcard for batch submit

Accessing SCLM Members

From the Cloud 9 Main Menu, select **LIST SCLM FILES**. The screen in figure 1.4 will appear.

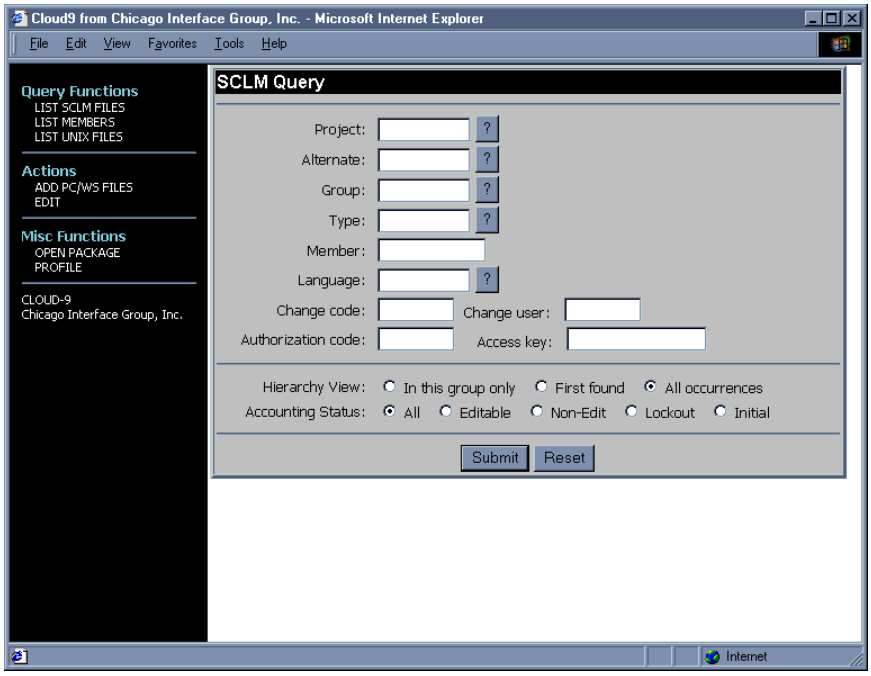


Figure 1.4 List SCLM Screen

Project	Name of Project that contains member(s)
Alternate	Alternate SCLM Project if being used
Group	Name of Group that contains member(s)
Type	Name of Type that contains member(s)
Member	Member name or mask
Language	SCLM language of member(s)
Change code	SCLM change code
Change user	Last user that has changed the code
Authorization code	SCLM Code: controls update and promotion
Access key	Member locking
Hierarchy	List directive
	In this group only - list from entered group
	First found - list first occurrence of members
	All occurrences - list from all groups in map
Accounting Status	All -all members found
	Editable - only members that can be edited
	Non-Edit - only members that can't be edited
	Lockout - only locked members
	Initial - only current members being created

Accessing PDS Members

From the Cloud 9 Main Menu, select **LIST MEMBERS**. The screen below will appear (Figure 1.5).

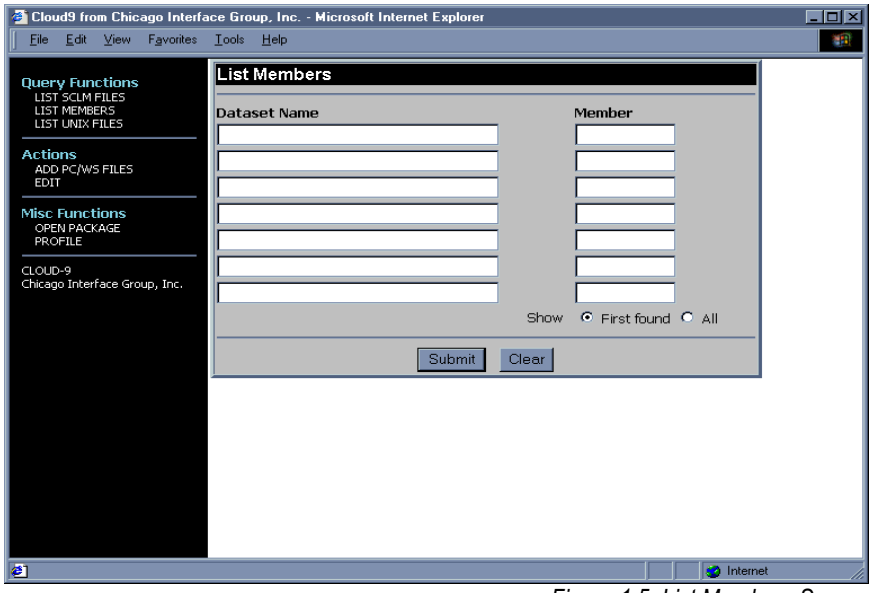


Figure 1.5 List Members Screen

Dataset name	DSN of PDS to list member(s) from
Member	Member name or mask
Show	First found - first occurrence All - all occurrences of member

Accessing UNIX Files

From the Cloud 9 Main Menu, select **LIST UNIX FILES**. The screen below will appear (Figure 1.6).

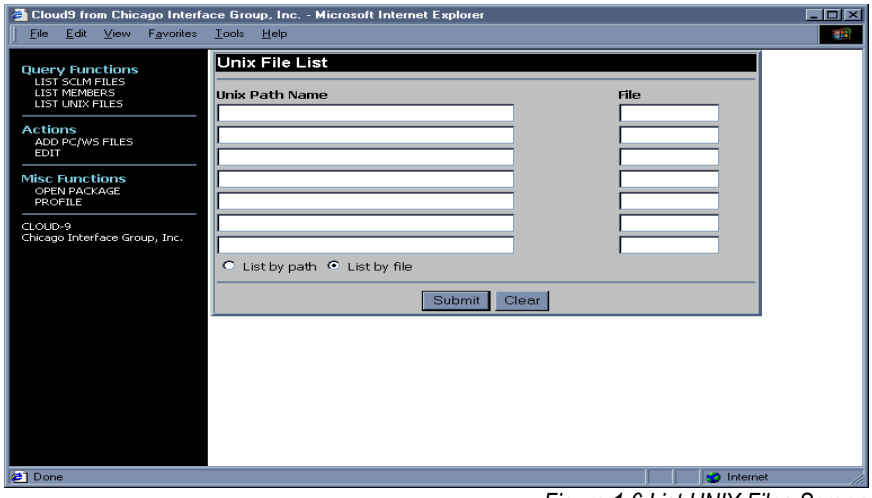


Figure 1.6 List UNIX Files Screen

UNIX Path Name	Path to files
File	File name or mask to be listed
List by path	Files are listed according to path
List by file	Files listed by file name

Using Dropdown Boxes

Several of the panels contain dropdown boxes that will display the appropriate values for each selection. All fields that have a '?' next to them are drop down boxes. To use this value lookup function, enter a value or blank and click on the '?'. Cloud 9 will return a list that matches your input and all other fields in the calculation. In the following example, language options are displayed. Click on the row to select a language from the dropdown box (Figure 1.7 on following page).

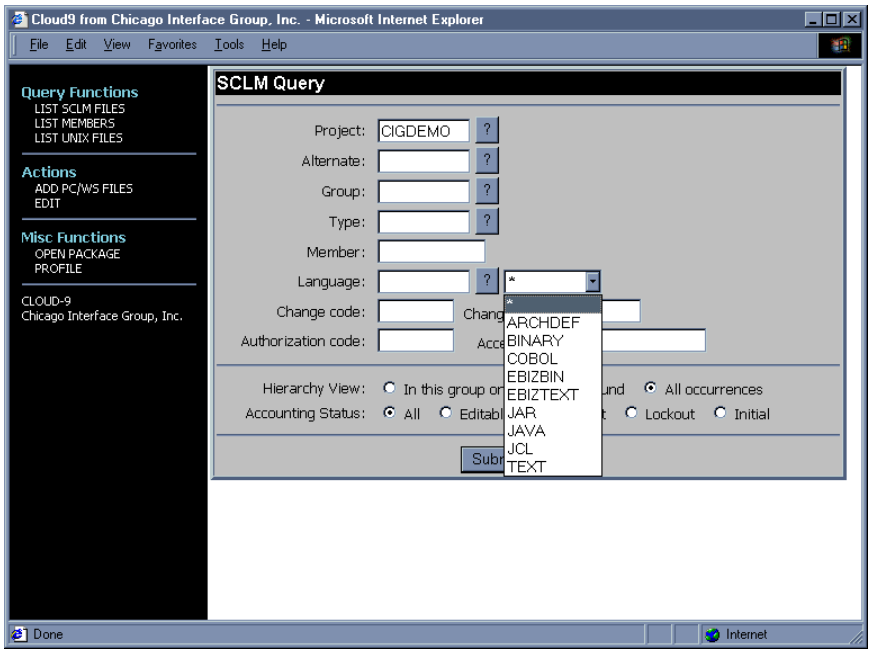


Figure 1.7 Dropdown Menus

Chapter Summary

At this point, you know what Cloud 9 is, how to log on to the system, how to create your profile, how to navigate within the program, you've become familiar with the basic query screens, and you know how to use the main menu options. In the next chapter, the rest of the main menu options will be covered.

Chapter 2: Main Menu Options

Chapter Overview

- Add from PC/WS
- Edit
- Package Options

Add from PC/WS

Cloud 9 gives you the ability to add PC or Workstation files to SCLM, PDS, or UNIX through a web browser.

1. Click on **ADD PC/WS FILE** on the main menu. The screen on the next page is returned:

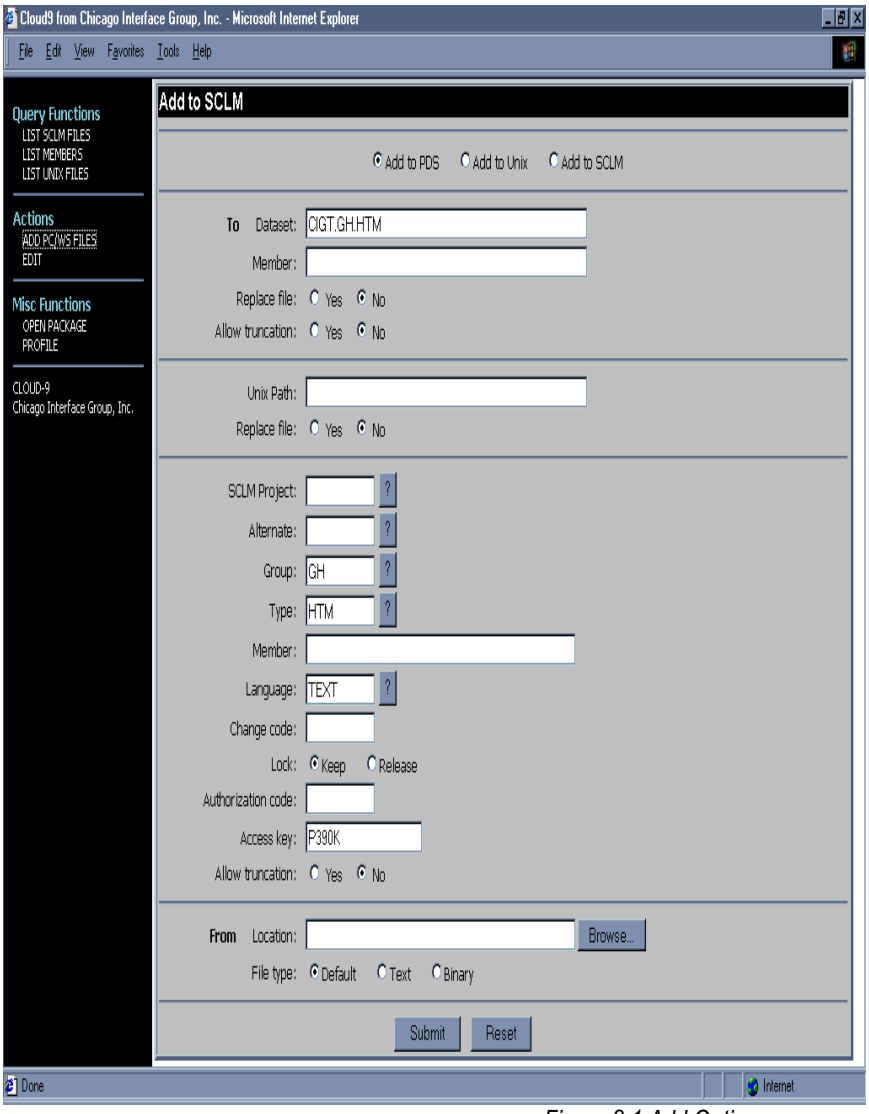


Figure 2.1 Add Options

Note: The "?" button on the Add to SCLM screen brings up a drop down box using a different format then used on other screens of Cloud 9, but the functionality is the same. (page 11)

Project	Name of Project that contains member
Alternate	Alternate SCLM Project if being used
Group	Name of Group that contains member
Type	Name of Type that contains member
Member	Member name
Language	SCLM language of member
Change code	SCLM change code
Lock	Member lock disposition after action

Authorization code	SCLM Code: controls update and promotion
Access key	Member locking
Allow truncation	Yes/No - source truncation
File type	Text - ASCII to EBCDIC conversion Binary - no conversion; as is Default - Cloud 9 will determine method
Add From	Fully qualified path and file name of source

1. Enter in the SCLM, PDS, or UNIX location that the file is being added to.

2. Click **Browse.** Select any file from your hard drive or network and click **Submit.** A conformation screen will be returned:

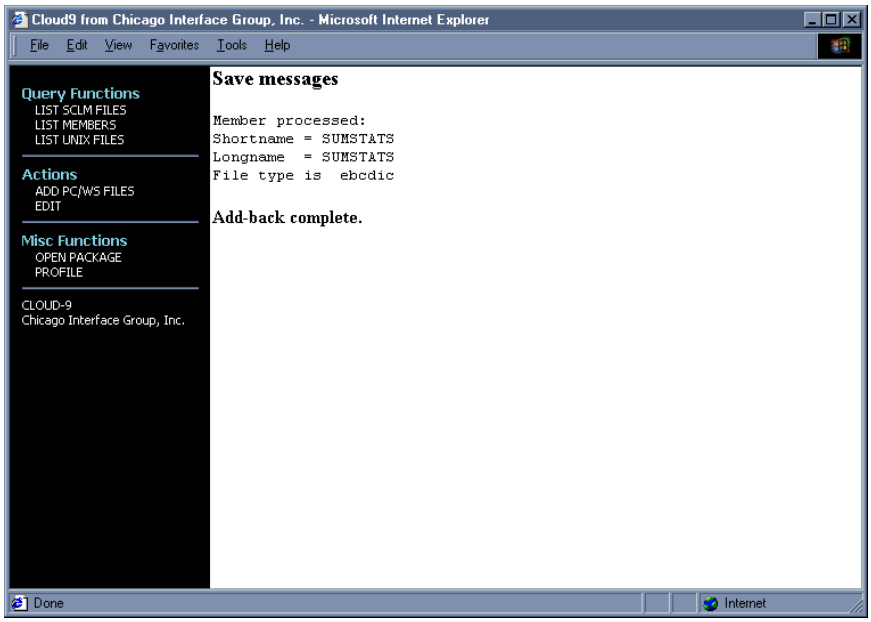


Figure 2.2 Add results

Edit

Cloud 9 allows you to create a new file and add it into SCLM, PDS, or UNIX. On the main menu, click **EDIT.** The following screen will be returned:

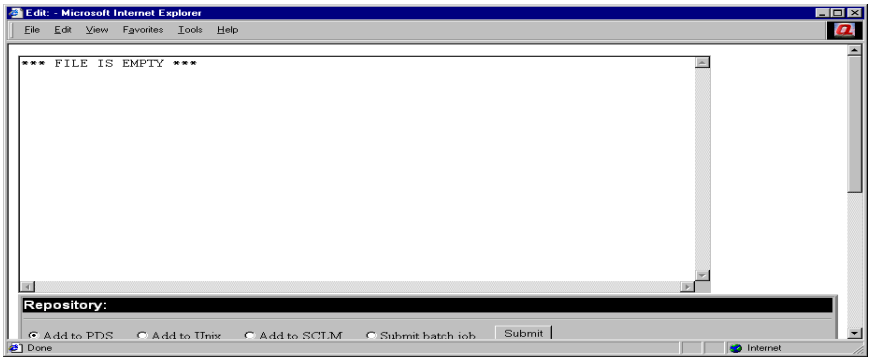


Figure 2.3 Edit Part1

Using the Repository form, your newly created file can be added to SCLM, PDS, or UNIX. Use the browser scroll bar to find the repository form. It is found at the bottom of the Edit Screen

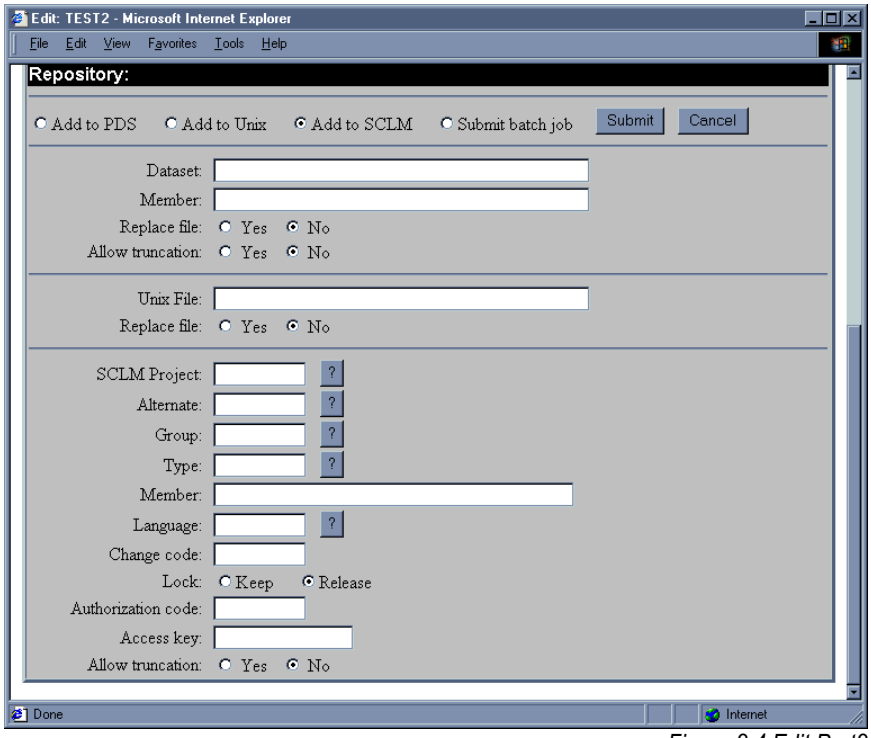


Figure 2.4 Edit Part2

Add to PDS | UNIX | SCLM |	Selects source repository to add to
Submit	Causes add request to be processed
Dataset	Specify PDS for Add to PDS
Member	Specify PDS member for Add to PDS
UNIX file	UNIX path for Add to UNIX
SCLM Project	Name of Project that contains member
Alternate	Alternate SCLM Project if being used
Group	Name of Group that contains member
Type	Name of Type that contains member
Member	Member name
Language	SCLM language of member
Change code	SCLM change code
Lock	Member lock disposition after action
Authorization code	SCLM Code: controls update and promotion
Access key	Member locking

1. Type in the corresponding information on the form and click **Submit.** A conformation message will be returned.

Packages

Cloud 9 gives you the ability to Create, View, and Modify SCLM Packages.

From the Cloud 9 Main Menu:

1. Click on **OPEN PACKAGE.** The Open SCLM Package screen will appear (Figure 2.5).
2. Fill in the package information (project, group, etc.).

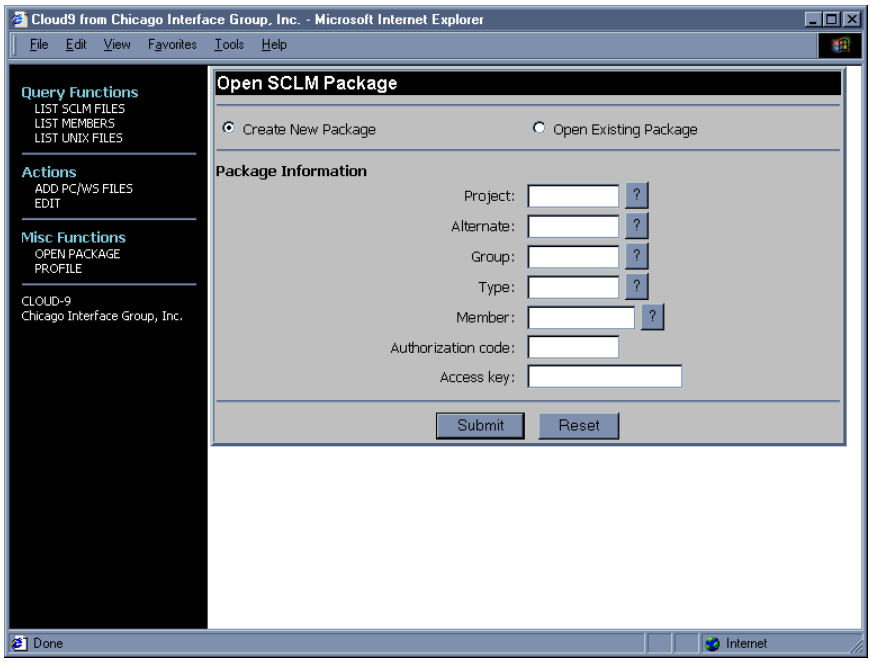


Figure 2.5 Open Package Screen

Create New Package	Begin package create process
Open Existing Package	Work on package that already exists
Project	Project that contains member
Alternate	Alternate SCLM Project
Group	Group that contains member
Type	Type that contains member
Member	Member name
Authorization code	SCLM Standard Auth Code
Access key	Key for member locking

3. Click on **Submit.**
4. If you selected **CREATE NEW PACKAGE**, then the following screen will be returned:

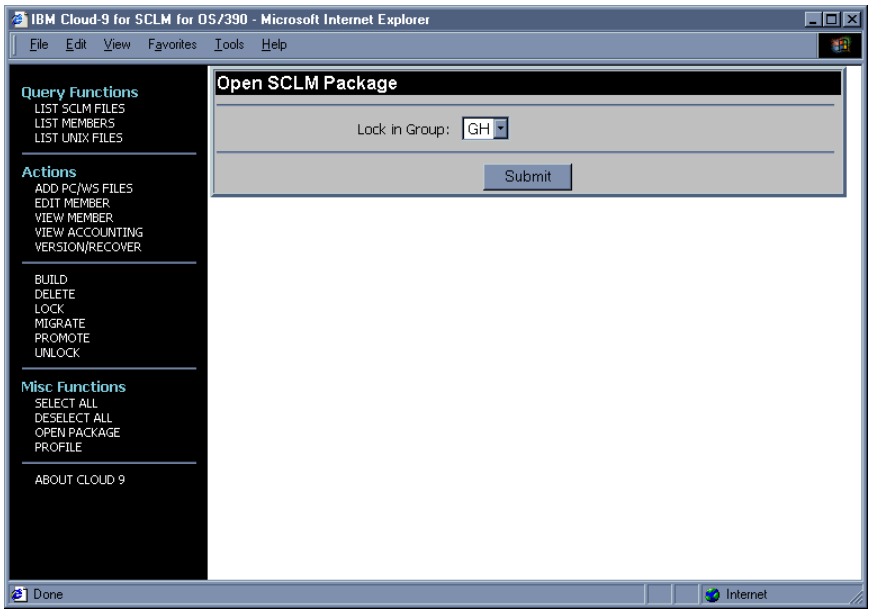


Figure 2.6 Open SCLM Package options

5. Decide what Group you would like the package to be locked in and click **Submit.**
6. You will be returned to the Cloud 9 Main Menu, which will have two new options: **ADD TO PACKAGE** and **SAVE/VIEW PACKAGE** (Figure 2.6 on following page).

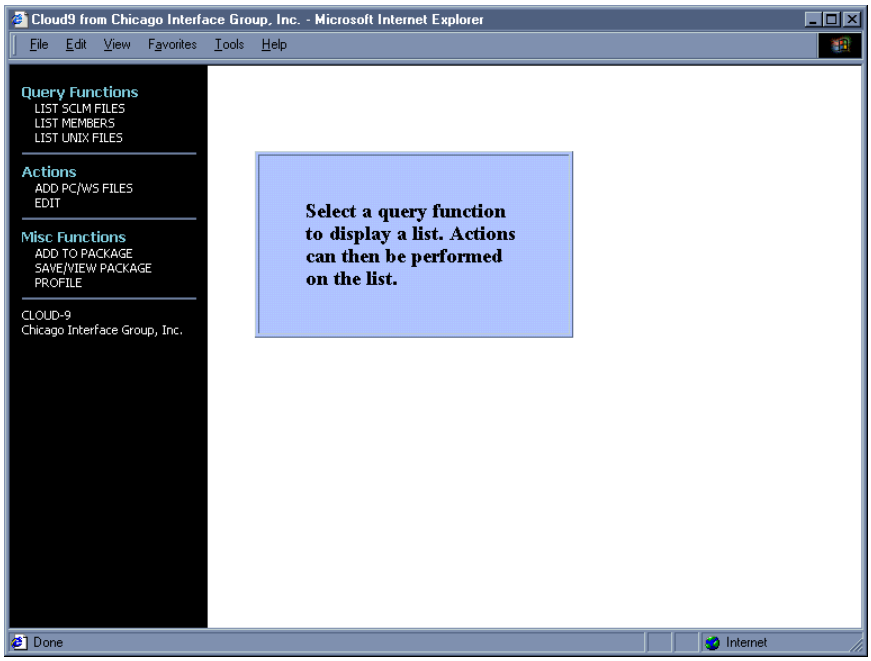


Figure 2.7 "Add to Package" and "Save Package" Menu Options

Adding SCLM Members to a Package

To add SCLM members to an open package:

1. Drive a list of SCLM members using the **LIST SCLM FILES** menu option.
2. Select one or more members from list.
3. Click on **ADD TO PACKAGE**. The screen and message in figure 2.7 will be displayed.

Figure 2.8 Package ADD Message

Editing and Saving SCLM Packages

To view or save the contents of the SCLM package for processing at a later time:

1. Click **SAVE/VIEW PACKAGE**. The screen in (figure 2.8) will be displayed.
2. Click **Submit** to save the member back into SCLM for later execution processing.

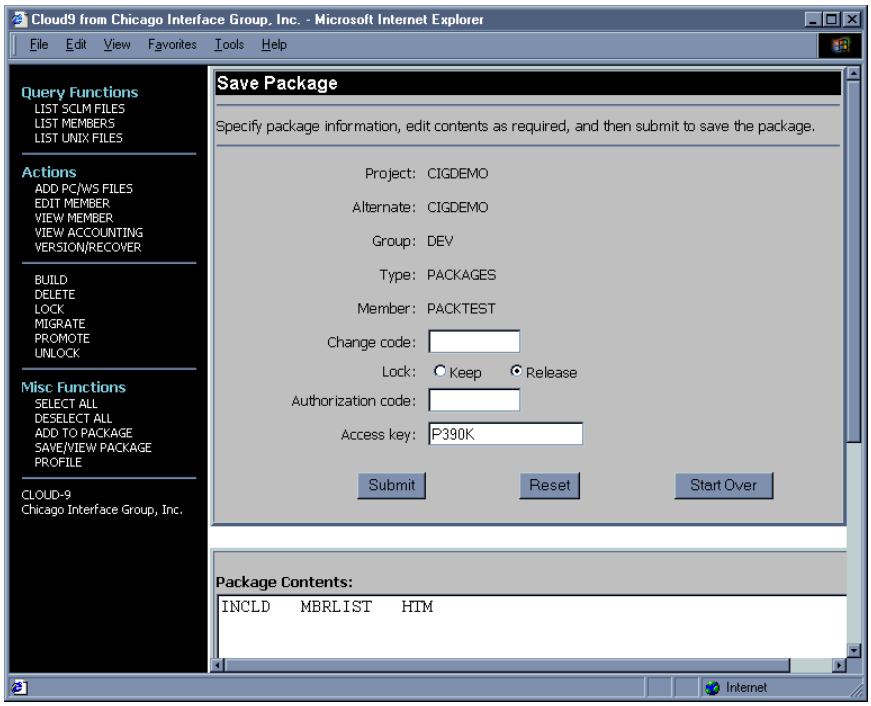


Figure 2.9 Edit, View, and Save Package Screen

Change code	SCLM change code
Lock	Member lock disposition after action
Authorization code	SCLM Code: controls update and promotion
Access key	Member locking

Chapter Summary

This chapter covered the rest of the main menu options. At this point you should know how to add a PC or workstation file to SCLM, create a new file to add into your development environment, and how to use Cloud 9's package functionality. In the next chapters SCLM, PDS, and UNIX actions will be covered.

Chapter 3: SCLM Functionality

Chapter Overview

In this chapter, you will learn how to:

- View and edit SCLM members
- Transfer edited files back to SCLM
- View SCLM accounting files
- Use the Version/Recover option
- Change a member's authorization code
- Build and Promote SCLM members
- Migrate SCLM members
- Lock and Unlock SCLM members
- Delete SCLM members

Notes on the SCLM Query Screen

In the SCLM Query screen, you will see various SCLM inventory locations and query filters. Figure 3.1 below shows the query screen

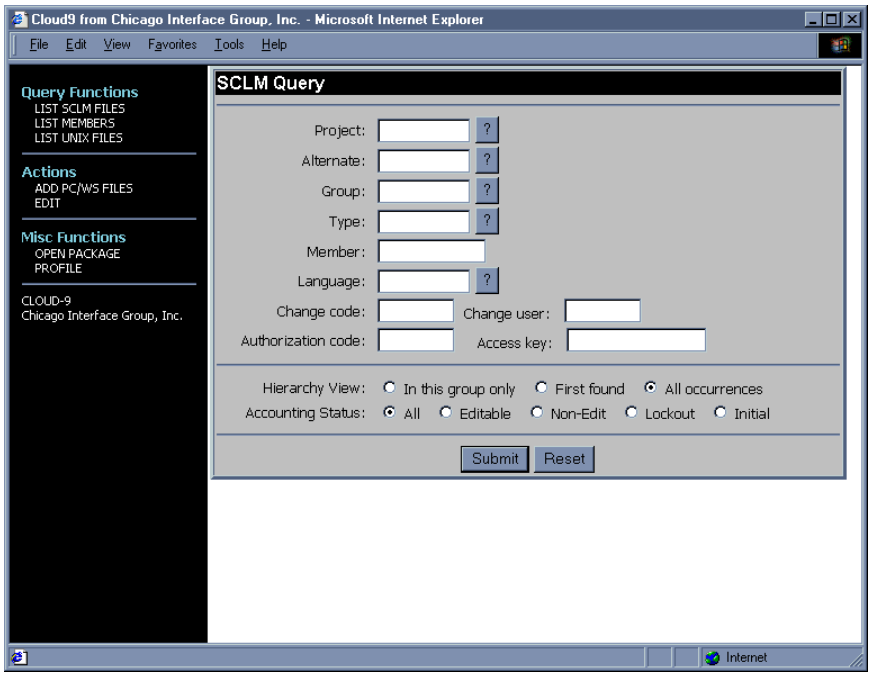


Figure 3.1 SCLM Query Screen

Entry Fields:

Required fields

Project is the only required field. Wildcard characters are not allowed when entering this field.

Optional Fields

You may fill in each of the remaining inventory and query filters or leave them blank or wildcarded. The pull down menus are also available for these fields.

Note: The wildcard search character (*) is available for use in all fields except project and access key.

The wildcard character may be imbedded to replace certain characters in an entry if you want to find all objects that match a specific pattern.

Drive a List of SCLM Members

1. If you know the names of the inventory locations you want to search, enter them in the corresponding fields and click **Submit**. If you do not know the names of the inventory locations you want to search, click the question mark button next the location field and select the appropriate inventory location from the drop-down selection boxes. Then click **Submit** and a screen similar the following screen will be returned:

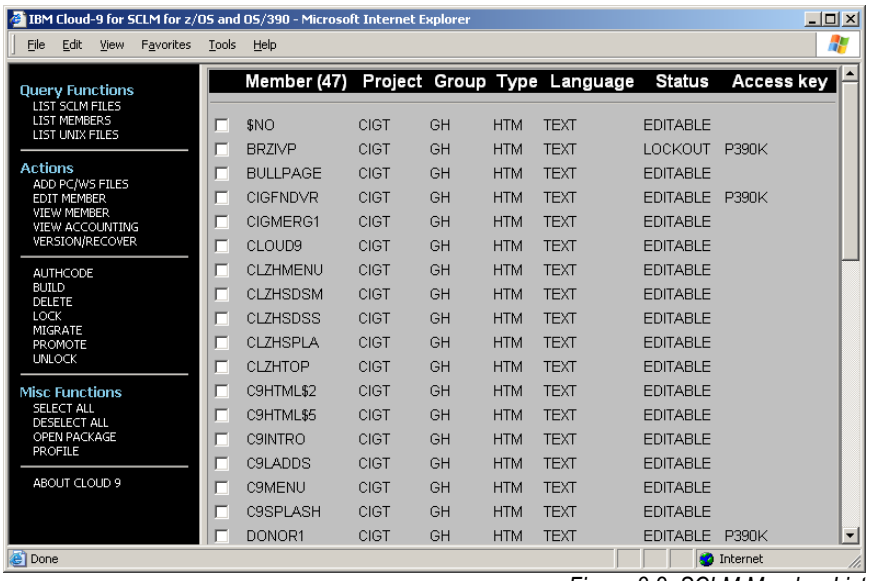


Figure 3.2 SCLM Member List

Menu Navigation

Note that the menu changed after driving a list of members. The left side of the screen will always reflect the actions available based on what has been listed. In this case, the navigation menu is all SCLM actions.

Viewing a SCLM Member

1. Click in the box next to the member you wish to view.
2. Select **VIEW** from the Cloud 9 Main Menu to perform the view function. The View menu (Figure 3.3) will appear.

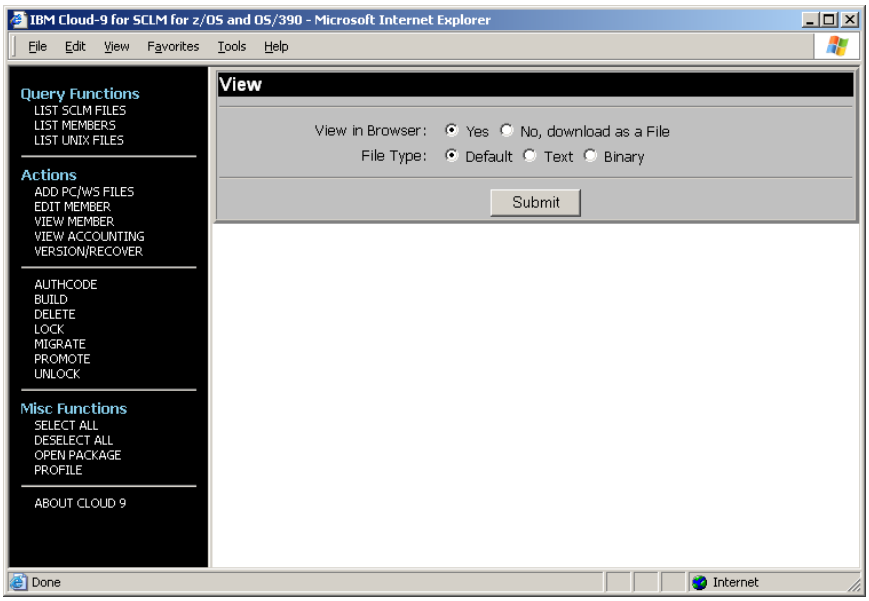


Figure 3.3 View Menu

3. Set “Display in Browser” option.
4. Click **Submit**. Cloud 9 will launch a new browser window and display the member source.

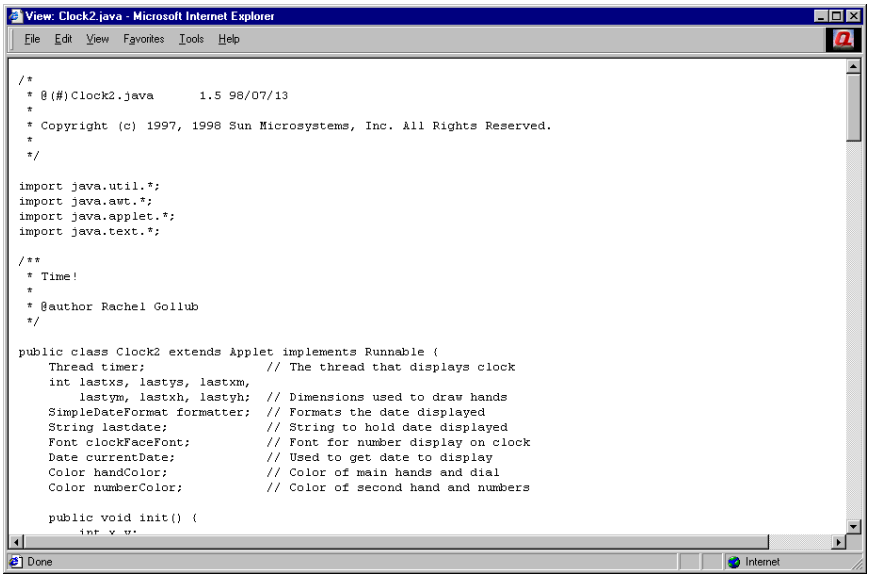


Figure 3.4 View results

Edit a Member in a Web Browser

Once you have determined that the member is available for editing:

1. Use the Back button on your browser to return to the list of members.

2. Select **EDIT** from the Cloud 9 Main Menu. The next screen will display standard SCLM editing options (Figure 3.5).

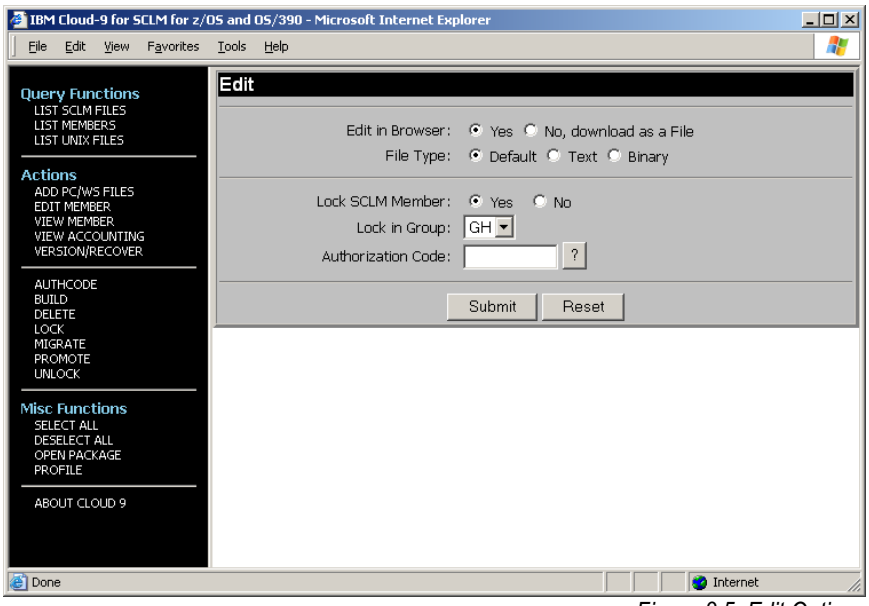


Figure 3.5 Edit Options

3. Verify that **Yes** is selected as the "Edit in Browser" option.

Note: You may also edit the file by downloading it into the program associated with the file's extension. This option is covered later in this chapter

---

4. Click **Submit**. Cloud 9 launches a new browser window and displays the member for editing (Figure 3.6 on following page)

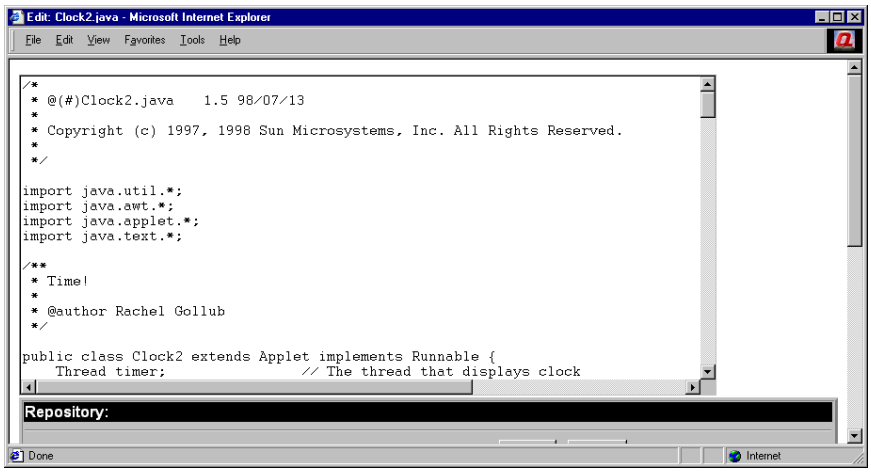


Figure 3.6 SCLM Member Edit

Transmitting an Edited Member Back to SCLM

When you are finished making changes to the member:

1. Click on the SCLM radio button.
2. Update the SCLM information at the bottom of the Browser Edit screen, under the heading "Repository." (Figure 3.7)

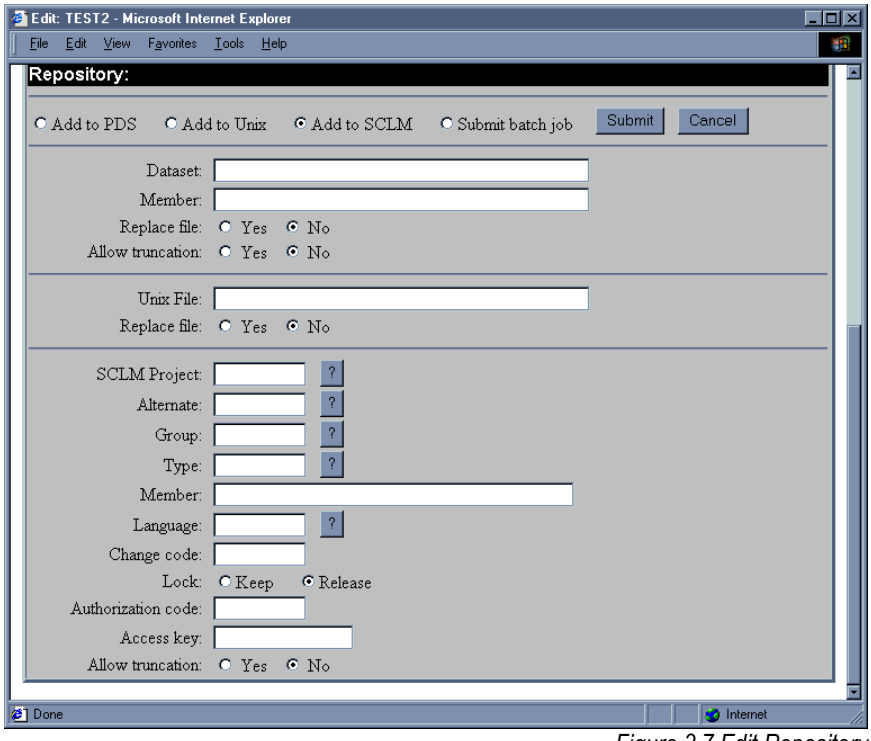


Figure 3.7 Edit Repository

3. Click **Submit**.

4. You will receive a confirmation that the member has been successfully written to SCLM.

Editing a Non-Text File

Thus far, you have learned how to edit files in the browser only. But Cloud 9's versatility allows users to download any file stored in SCLM to the PC/workstation, and edit it using another program. It accomplishes this by using the file's extension to determine the appropriate program to open.

To download a file to a PC/workstation:

1. List the files using the corresponding method previously described, depending on whether you wish to access an SCLM member, a PDS member, or a UNIX file.
2. Click in the box next to the name of the file you wish to download.
3. Select **EDIT** from the Cloud 9 Main Menu.
4. The corresponding query function's Edit panel will appear. Although the three query functions' Edit panels differ slightly, each contains an "Edit in Browser" option. Be sure to select "No, download as a File" (Figure 3.8).

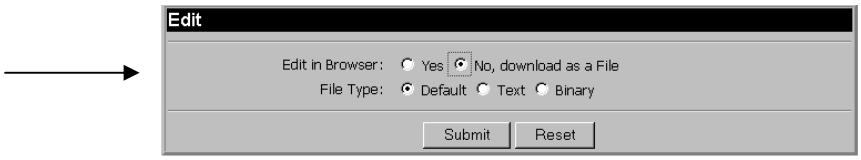


Figure 3.8 Example of File Download Selection

5. Click **Submit**.
6. The File Download dialog box will appear (Figure 3.9). Select whether to open the file from the current location or save the file to disk.

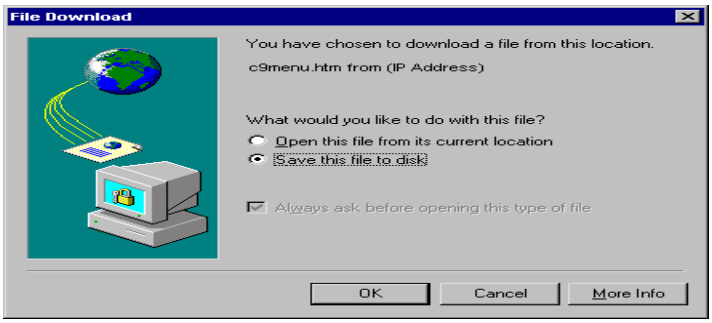


Figure 3.9 File Download Dialog Box

File Extensions that are Recognized by Cloud 9

If Cloud 9 recognizes the file's extension, it will automatically launch the appropriate application. For example, if the user wants to edit a .doc file, Cloud 9 will launch Word instantly.

File Extensions that are not Recognized by Cloud 9

If Cloud 9 does not recognize the file's extension (this may happen with more obscure program files), it will prompt you with the "Open With" dialog box (Figure 3.10 on following page). This will allow you to associate the file's extension with the program of your choice.

Note: Once you associate a file extension with a specific program, Cloud 9 will use that program to open all subsequent files with that particular extension.

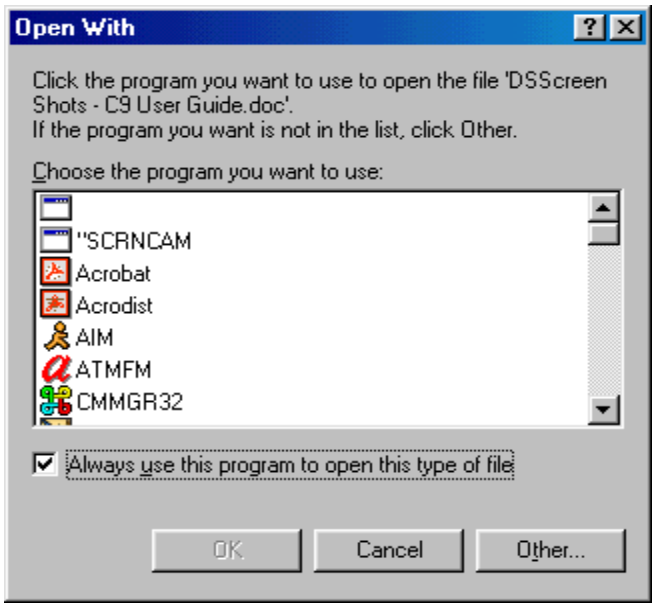


Figure 3.10 "Open With" Dialog Box

When the "Open With" dialog box appears:

1. Select an editing program of your choice.
2. Select **OK**.
3. Cloud 9 will launch the editing tool you chose (Figure 3.11)

Note: The Notepad™ program was used in this example.

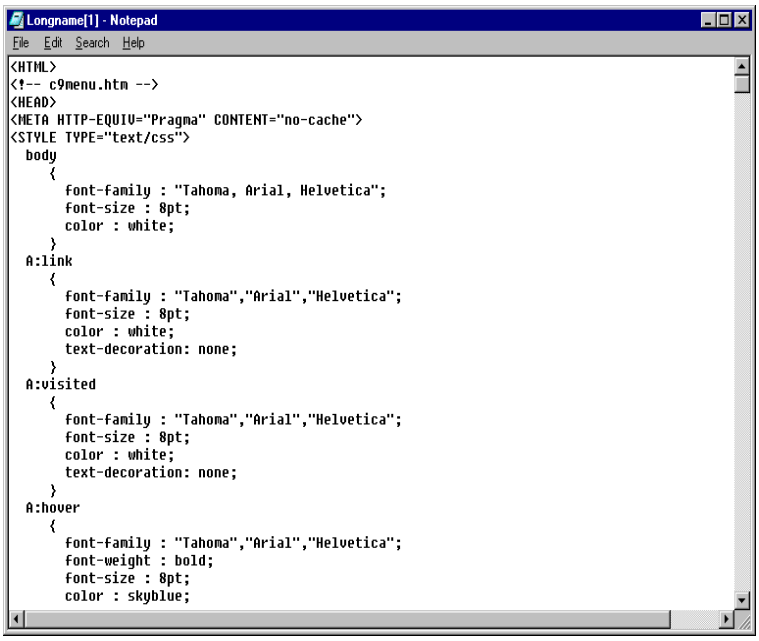


Figure 3.11 HTML File Edited in Notepad

View Accounting Info

Using Cloud 9 you can view the accounting information for any SCLM member.

1. Drive a list of SCLM members (figure 3.2)
2. Select **View Accounting** from the menu
3. The following screen should be returned:

Figure 3.12 Accounting info

Version/ Recover

Cloud 9 gives you the ability to view SCLM member versions and recover old member versions.

1. Drive a list of SCLM members (figure 3.2)
2. Select a member(s) whose versions you wish to view.
3. Click **VERSION/RECOVER** on the main menu.

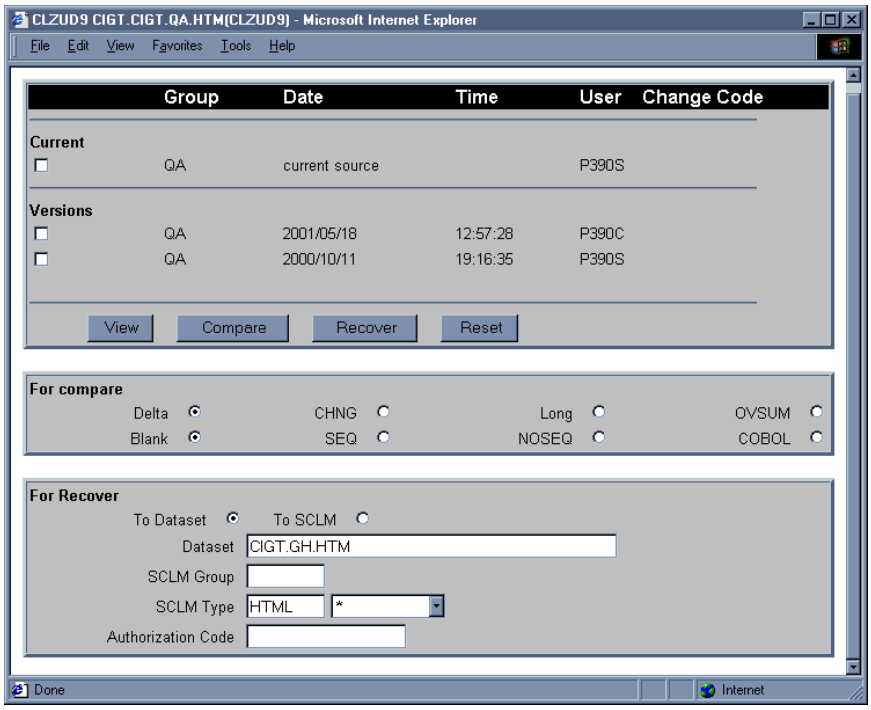


Figure 3.13 Version Recover

4. From this screen you can compare versions, recover an older version, and view different versions.

Authcode

Cloud 9 allows you to use the Authcode action to change a member's authorization code. The authcode can only be eight characters or less and cannot be left blank. If the authcode field is left blank, the previous authcode will be kept. The Authcode action can be run in either foreground or batch mode.

1. Drive a list of SCLM members (figure 3.2)
2. Select a member(s)
3. Select **AUTHCODE** from the Cloud 9 menu

4. The following screen is returned:

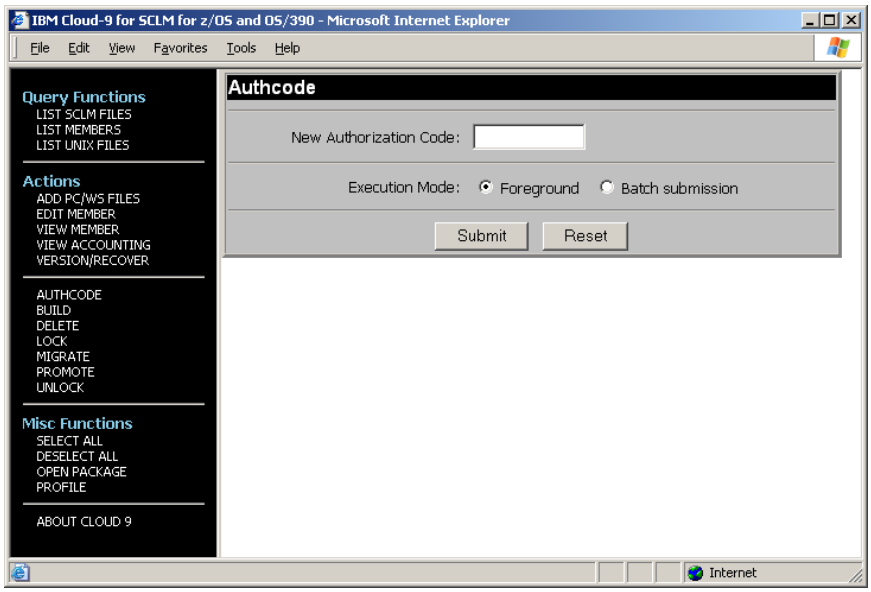


Figure 3.14 Build panel

5. Enter in the new authcode for the member(s)
6. Choose execution mode
7. Click Submit
8. Your return message will differ depending on which execution mode you selected.

Build

Cloud 9 allows you to use the Build action to build SCLM members in preparation for promotion. The Build can be run in either foreground or batch mode.

1. Drive a list of SCLM members (figure 3.2)
2. Select a member(s) to be built
3. Select **Build** from the Cloud 9 menu
4. The following screen is returned:

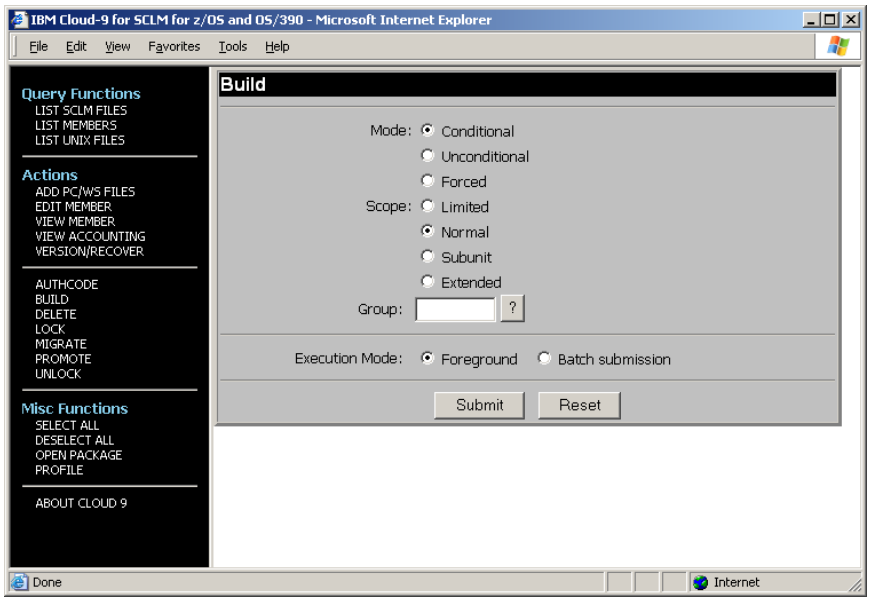


Figure 3.15 Build panel

5. Adjust the Mode, Scope, and Group settings
6. Choose the Execution mode
7. Press Submit
8. Your return message will differ depending on which Execution mode you choose.

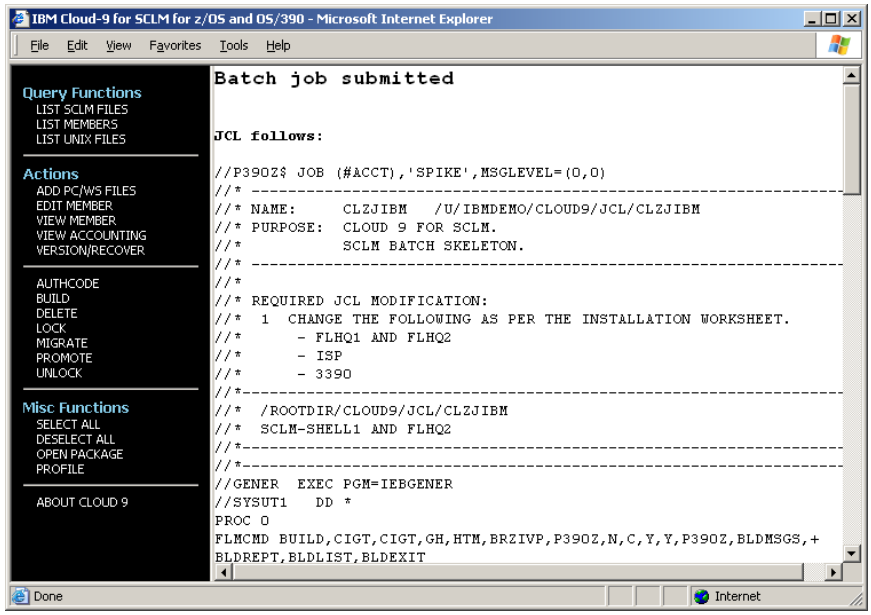


Figure 3.16 Batch job return

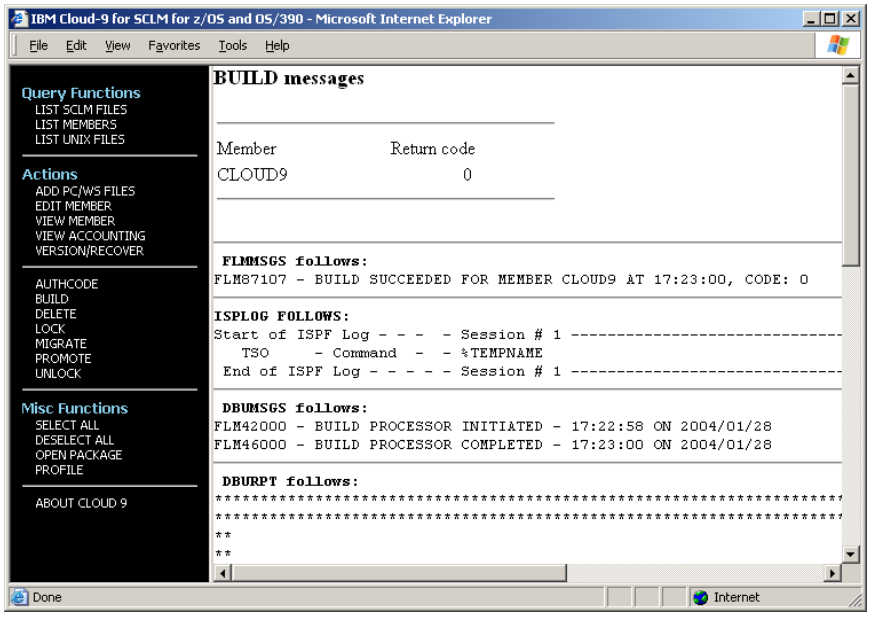


Figure 3.17 Foreground return

Promote

Once a member is built, Cloud 9 can be used to Promote the member in either foreground or batch mode.

1. Drive a list of SCLM members
2. Select a member(s) for promotion
3. Click **Promote** from the Cloud 9 menu.
4. The following screen should appear:

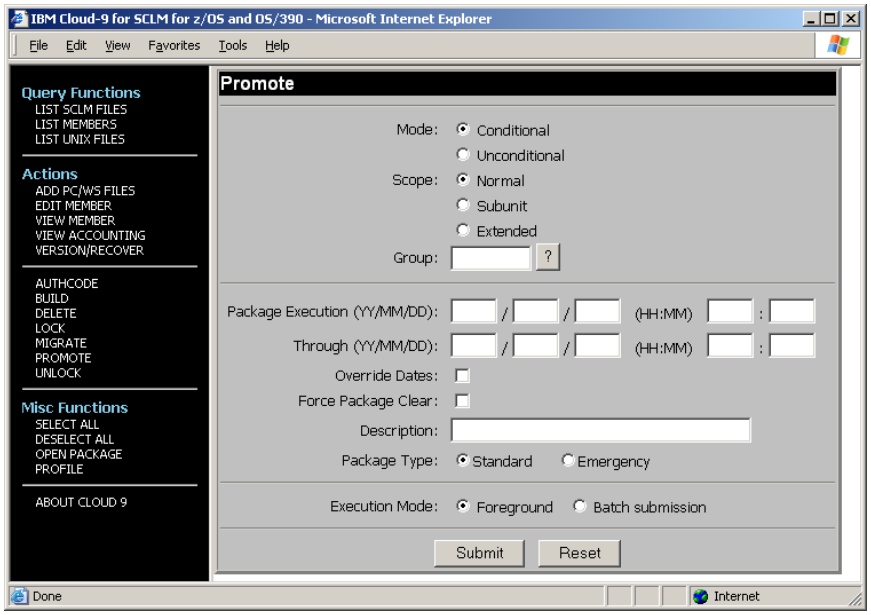


Figure 3.18 Promote Options

5. Adjust the Mode, Scope, and Group settings
6. Choose the Execution mode
7. Click Submit
8. Your return message will differ depending on which Execution mode you choose.

Migrate

Cloud 9 gives you the ability to Migrate members to SCLM

1. Drive a list of SCLM Members (figure 3.2)
2. Select member(s) for Migration
3. Click **MIGRATE** on the main menu. The following screen will be returned:

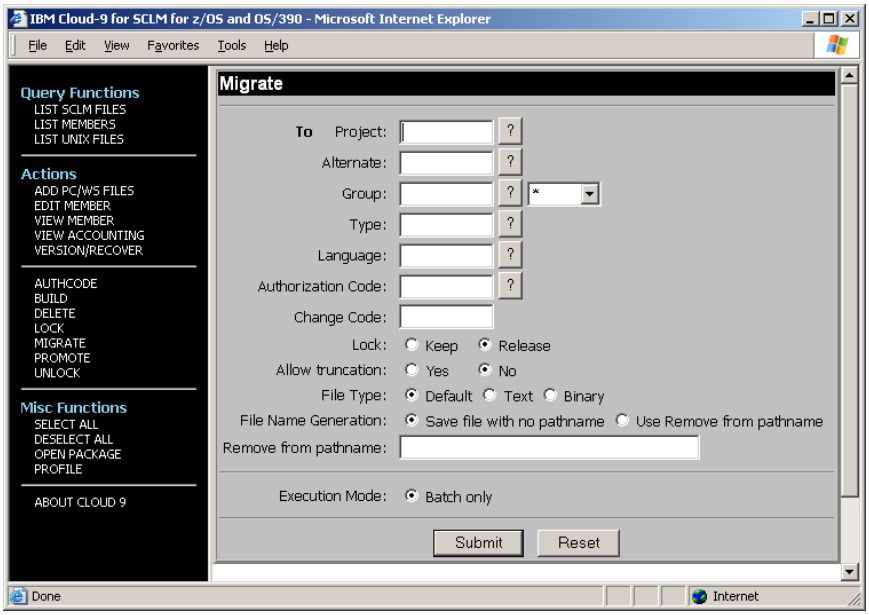


Figure 3.19 Migrate Options

4. Enter in your migrate information and click **Submit**. A conformation screen will be returned.

Delete

To delete an SCLM member:

1. Dive a list of SCLM members (figure 3.2)
2. Select member for deletion
3. Click Delete
4. The following screen should be returned:

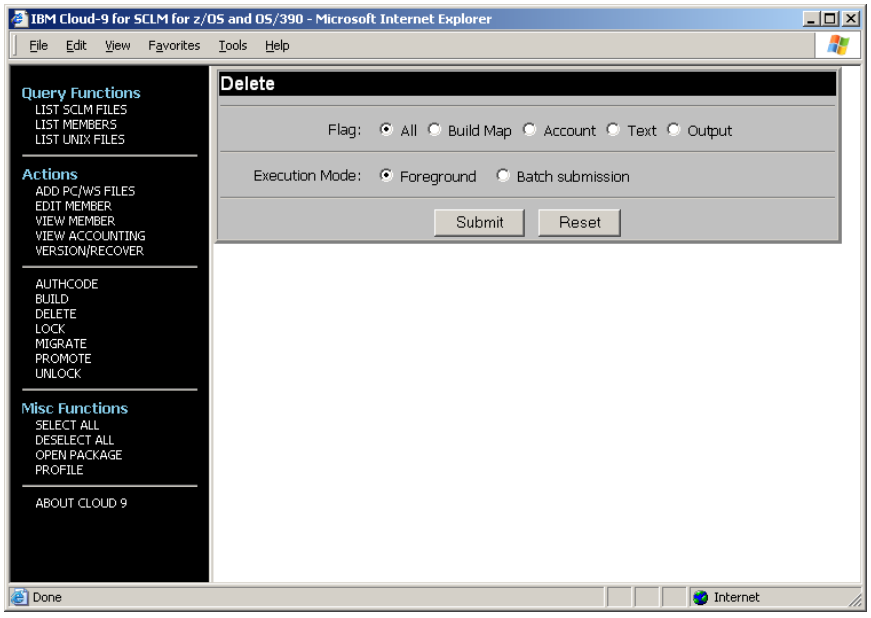


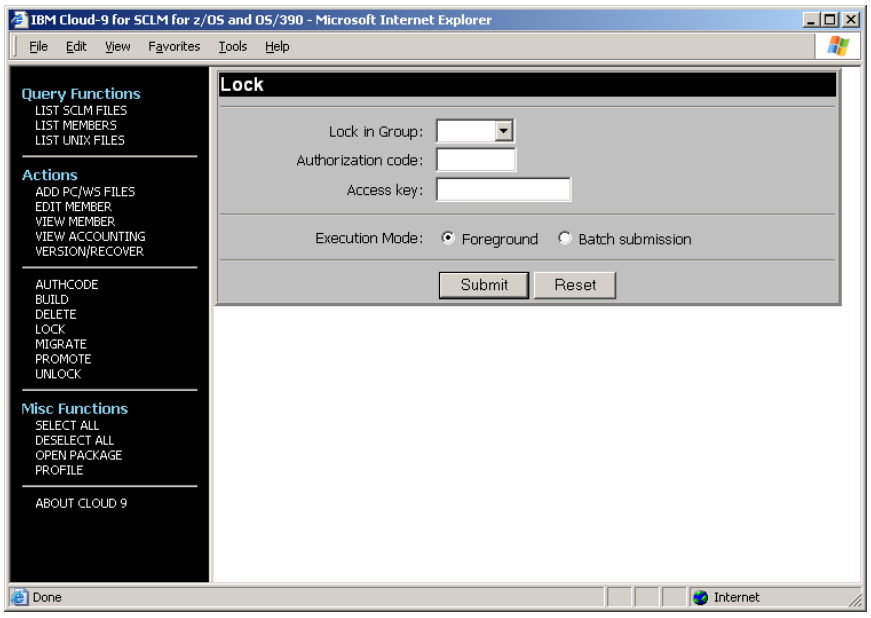
Figure 3.20 Delete Options

5. Choose your options and click Submit
6. Your return message will differ depending on which Execution mode you choose.
7. The Delete function works the same in SCLM, PDS, and UNIX environments.

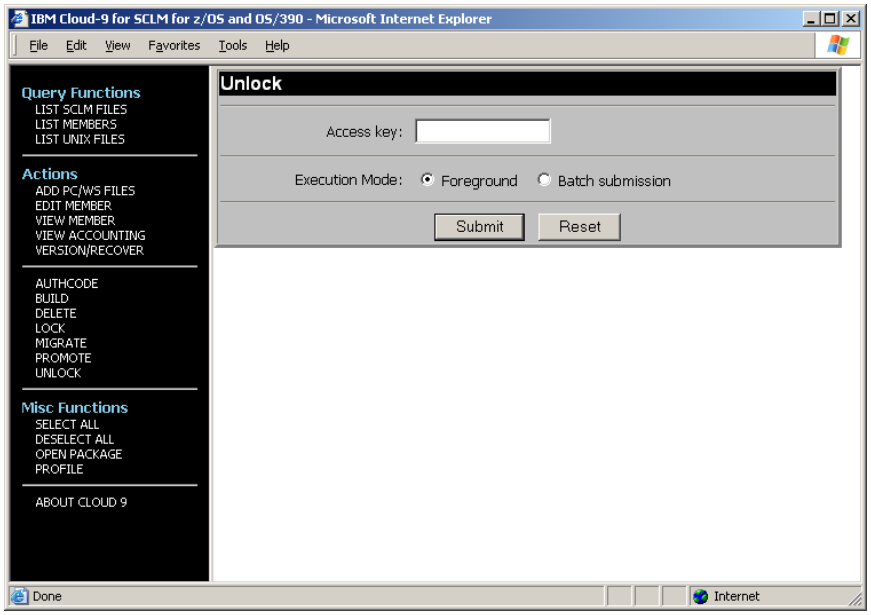
Lock / Unlock

Cloud 9 gives you the ability to Lock or Unlock an SCLM member to insure that no other programmers are making simultaneous changes to the member you are working on.

1. Drive a list of SCLM members. (figure 3.2)
2. Select member and click on **Lock** or **Unlock** depending on the status of the member.



3.21 Lock Options



3.22 Unlock options

3. Choose your Lock/Unlock options and click **Submit.**
4. Your results will differ depending on which Execution mode you choose.

Chapter 4: PDS Functionality

Chapter Overview

This chapter describes how to:

- Use the PDS Query screen
- View and Edit PDS members
- Use the compare function
- Move and Copy PDS members
- Rename PDS members
- Use the Search-For function
- Migrate to SCLM

Accessing PDS members

From the Cloud 9 Main Menu, select **LIST MEMBERS**. The screen below will appear:

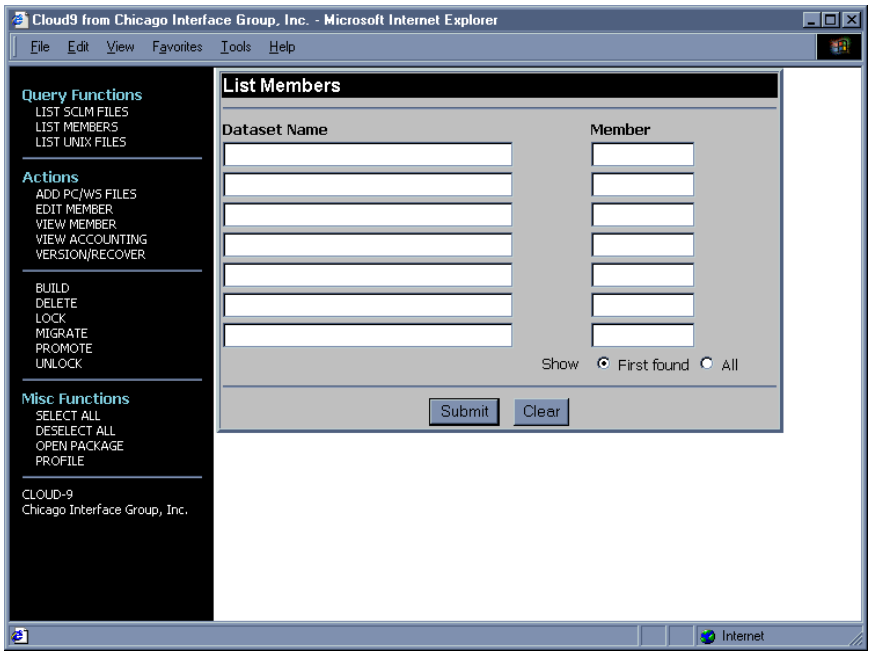


Figure 4.1 PDS Query

1. Type the dataset name and/or member name you are searching for (wildcarding is allowed for both dataset and member names).
2. Click Submit and if your query data is valid a member list will be returned.

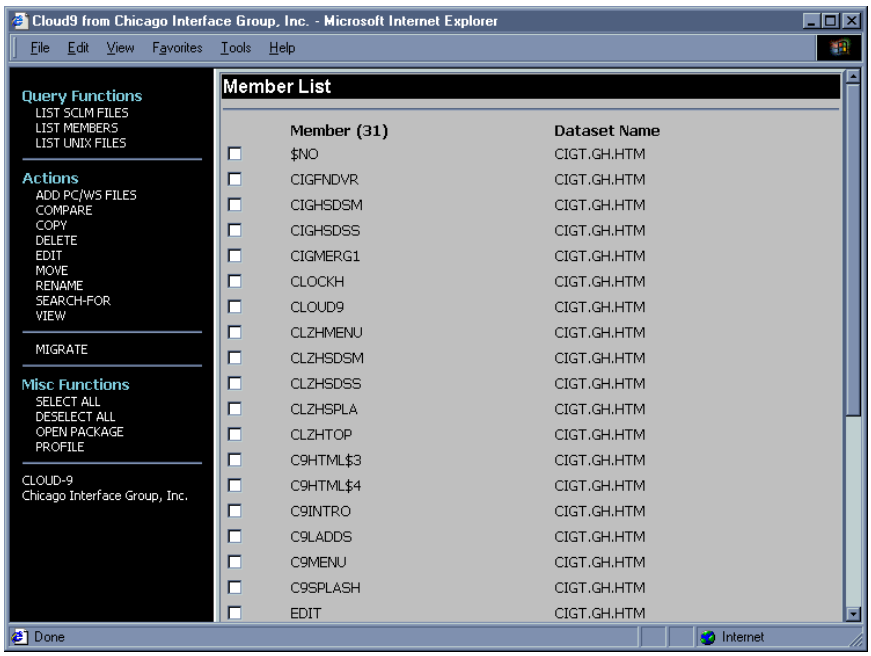


Figure 4.2 PDS member list

Menu Navigation

Note that the menu changes after driving a list of members. The left side of the screen will always reflect the actions available based on what has been listed. In this case, the navigation menu is all PDS actions.

Viewing a PDS member

1. Click on the box next to the member(s) you wish to view.

2. Select **VIEW** from the Cloud 9 Main Menu to perform the view function. The View menu will appear.

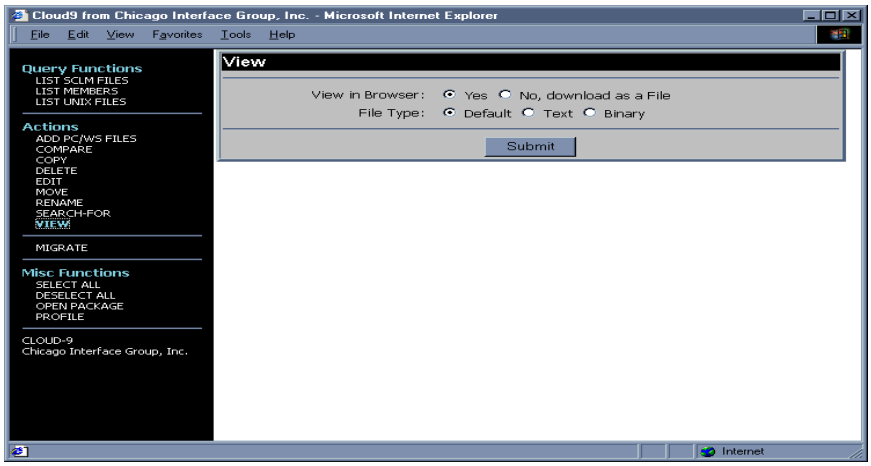


Figure 4.3 View options

3. Set the “Display in Browser” and “File Type” options

4. Click **Submit**. Depending on the options selected, Cloud 9 will either launch a new browser window(s) or show the member in the display frame.

Editing a PDS member

To edit a PDS member:

1. Go back to your list of PDS members (figure 4.2)
2. Select a member(s) for editing
3. Click **EDIT** on the main menu.

5. Depending on the setting in your profile, either a new browser window will be launched or the following screen will be returned:

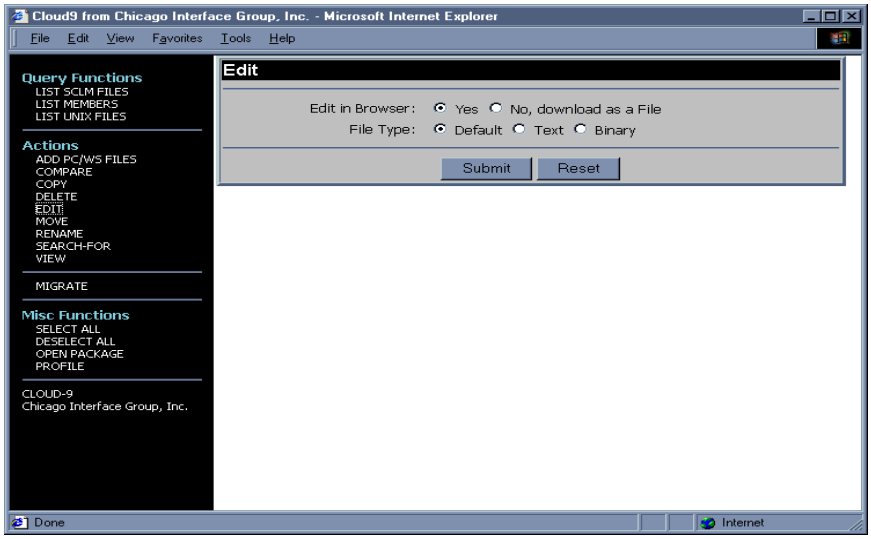


Figure 4.4 Edit options

6. Set the "Edit in Browser" and "File Type" options. (downloading a file is covered in the previous chapter)
7. Click **Submit.** Cloud 9 launches a new browser window(s) and displays the member for editing.

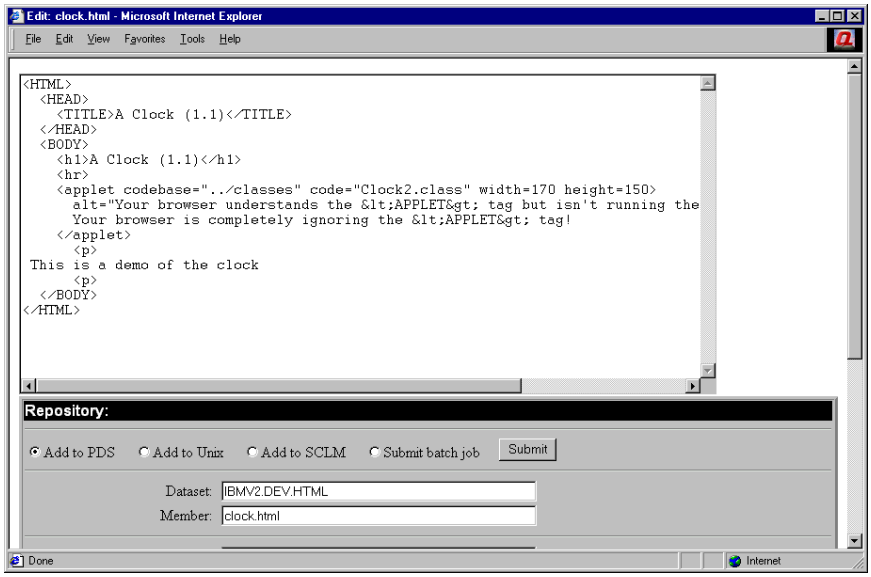


Figure 4.5 Add-back panel

8. After editing the member can be added back to PDS, SCLM, or UNIX.

Compare

Cloud 9 gives you the ability to compare PDS members. Members can be compared against members in the same dataset, a different dataset, or a UNIX directory. The compare results can be used to show changes that have been made to a member.

1. Drive a list of PDS members
2. Select a member, or members you wish to compare
3. Click on **COMPARE** on the main menu
4. The following screen will be returned:

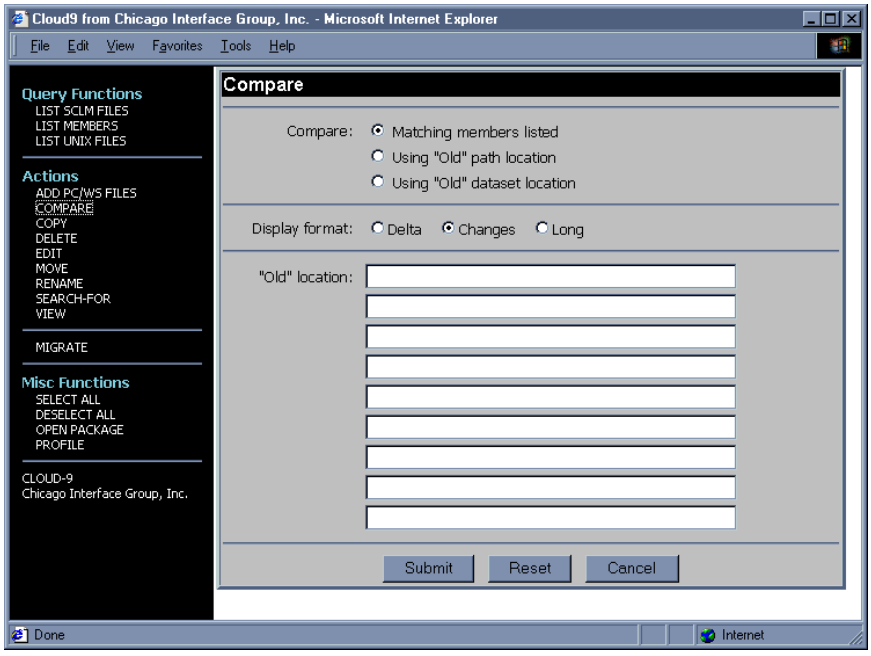


Figure 4.6 Compare options

The different compare options are used depending on what you have selected from the PDS member list.

Matching members listed	Compare members of same dataset.
Using alternate directory	Compare PDS member to UNIX file.
Using alternate dataset	Compare PDS member to same named member in a different dataset.

5. Set the “Compare” and “Display Format” options
6. Enter the Alternate location if applicable.

7. Click **Submit.** The results screen should look like the following screen:

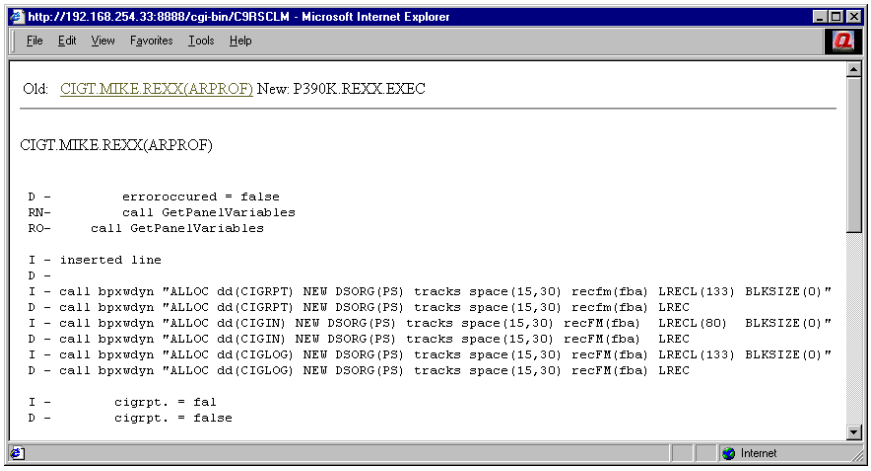


Figure 4.7 Compare results

Copying PDS members

Using Cloud 9 you can copy PDS members to another dataset or to a UNIX directory. (Copying to UNIX will be covered next chapter)

1. Drive a list of PDS members
2. Select a member(s) to be copied
3. Click **COPY** on the main menu. The following screen will be returned:

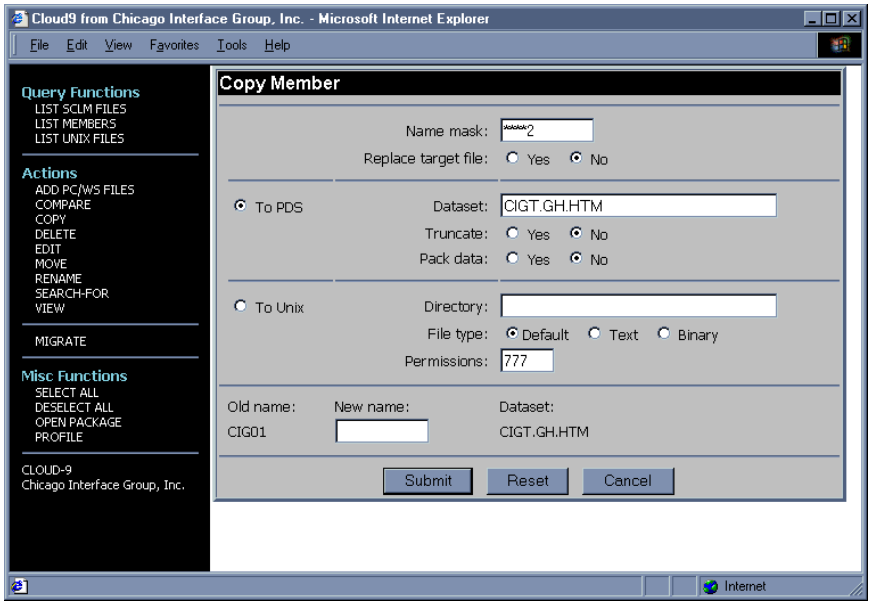


Figure 4.8 Copy options

Not only can PDS members be copied back to PDS or to UNIX, but also they can be renamed using either the ‘Name Mask’ or the ‘New Name’ fields.

The ‘Name Mask’ field is used to change individual characters. For example entering ‘****2’ in the name mask field will change the member name from ‘CIG01’ to ‘CIG02’.

The ‘New Name’ field is used when a completely new name is wanted.

Be sure to note the ‘Replace Target File’ option if there is already a member in the target dataset with the same name!

4. Once all the options have been selected and the name has been decided, click **Submit.** The following screen should be returned:

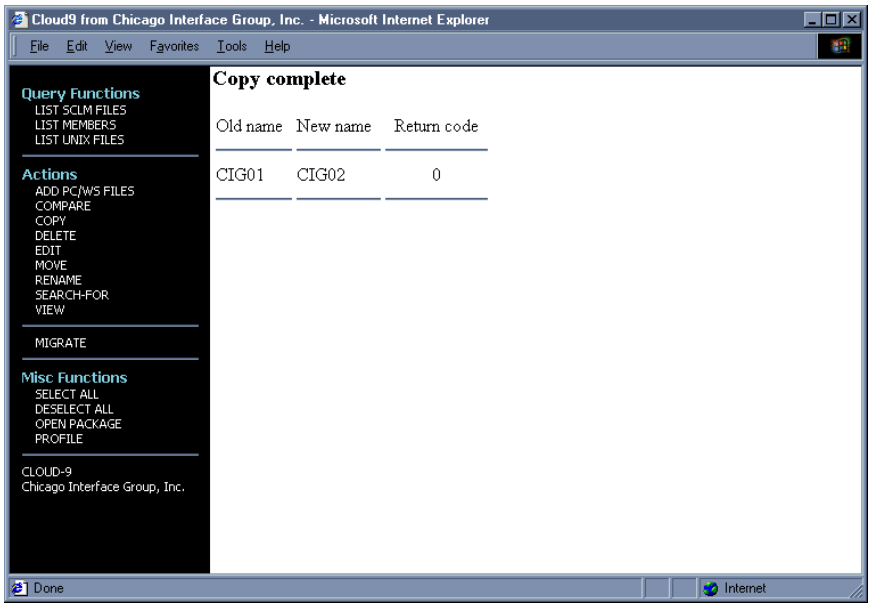


Figure 4.9 Copy results

Moving PDS members

Using Cloud 9, you can move PDS members to another dataset or to a UNIX directory. (Moving to UNIX will be covered next chapter)

1. Drive a list of PDS members
2. Select the PDS member(s) to be moved
3. Click **MOVE** on the main menu
4. The following screen will be returned:

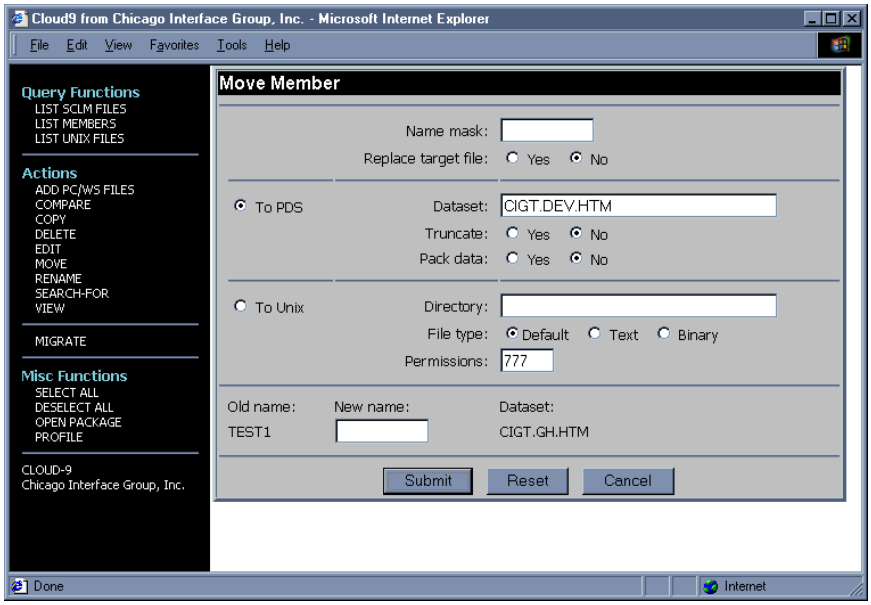


Figure 4.10 Move options

On a move, the 'Name Mask' and 'New Name' fields can be used to change the name of the member(s) being moved. (see Copying PDS Members for more info)

Be sure to note the 'Replace Target File' option if there is already a member in the target dataset with the same name!

5. Once all the options have been selected and the name has been decided, click **Submit.** The following screen should be returned:

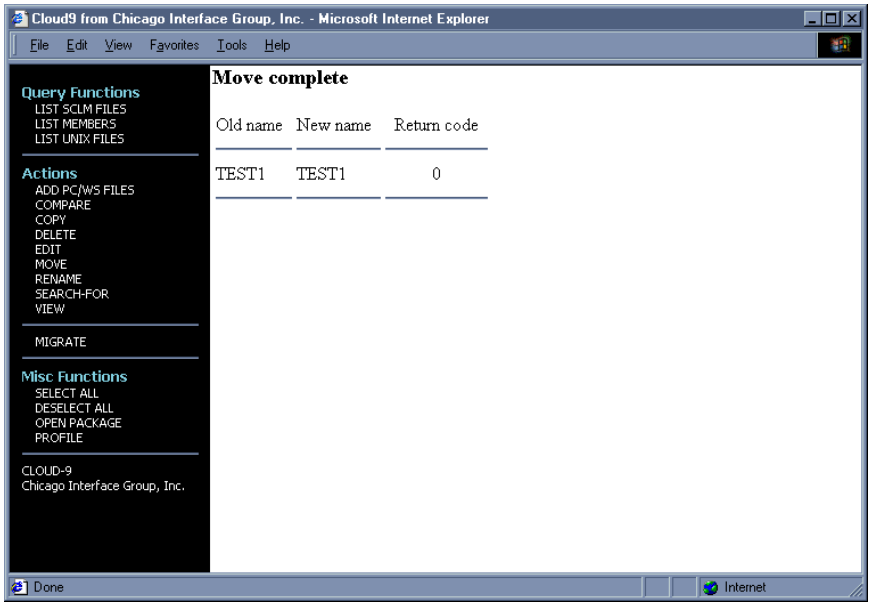


Figure 4.11 Move results

Renaming PDS members

One or more PDS members can be renamed using the Rename function. The Rename function works the same as the 'Name Mask' and 'New Name' fields on the Copy and Move panels

1. Drive a list of PDS Members
2. Select the member(s) to be renamed
3. Click **RENAME** on the main menu. The following screen will be returned

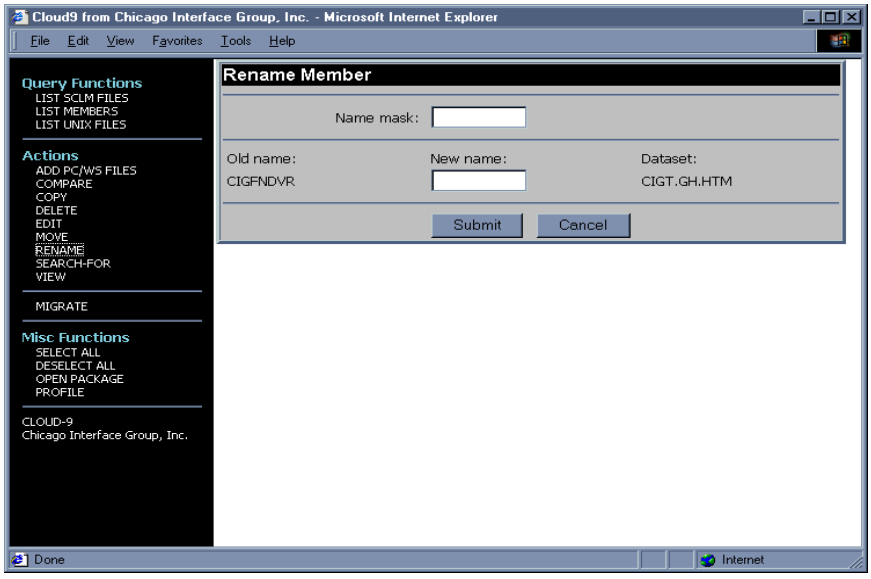


Figure 4.12 Rename Options

4. Enter data in either the ‘Name Mask’ or ‘New Name’ fields to change the name of the selected PDS member. (Reference Copying PDS Members for more info)

5. Click Submit. The following return message should be returned:

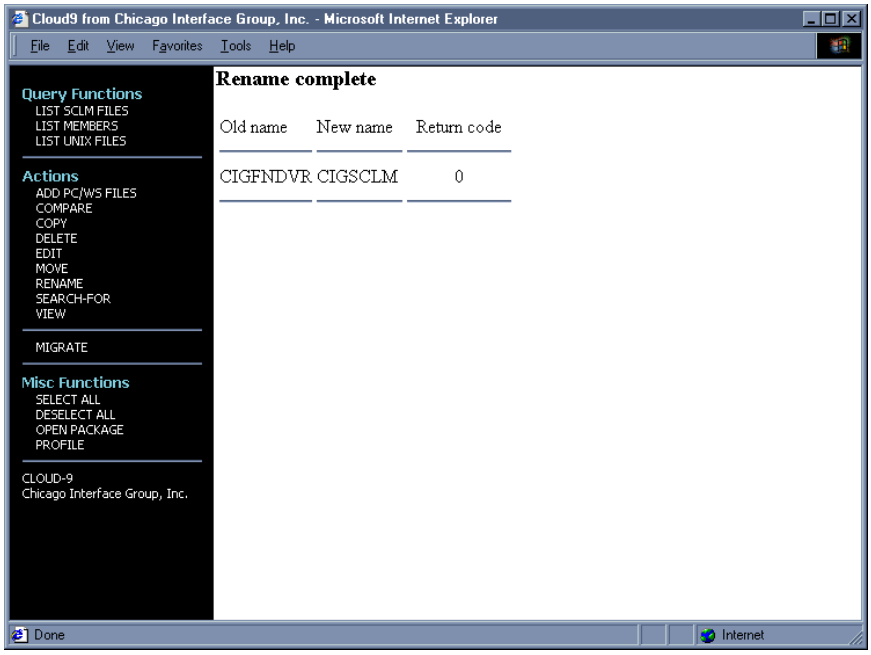


Figure 4.13 Rename results

Search - For

Cloud 9’s Search-For function allows you to search multiple PDS members for individual data strings.

1. Drive a list of PDS Members
2. Select member(s) for Search
3. Click **SEARCH-FOR** on the main menu. The following screen should be returned:

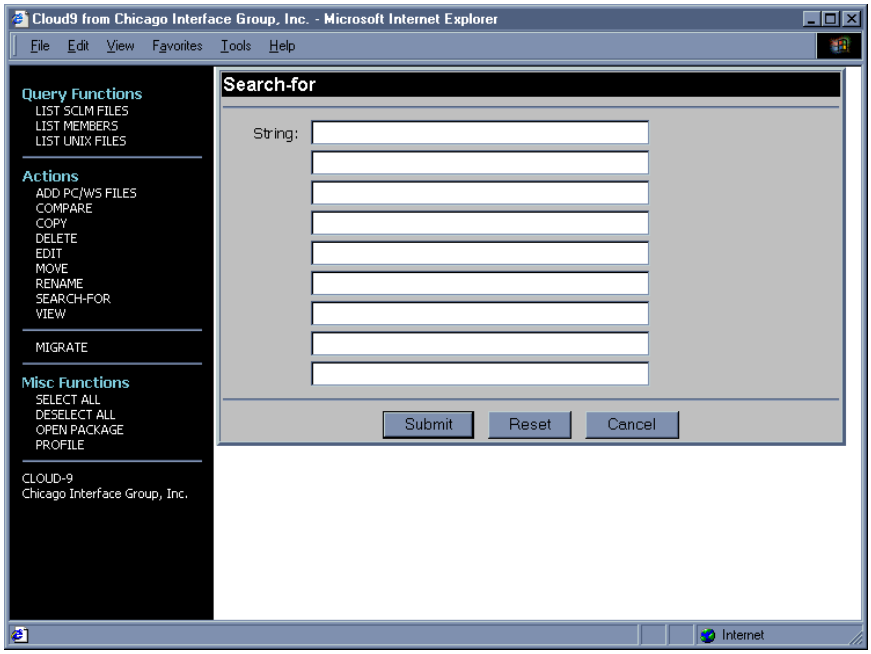


Figure 4.14 Search-For options

4. Enter the data string(s) to search for and click **Submit.**
5. If there are any matching data strings, results similar to these should be returned:

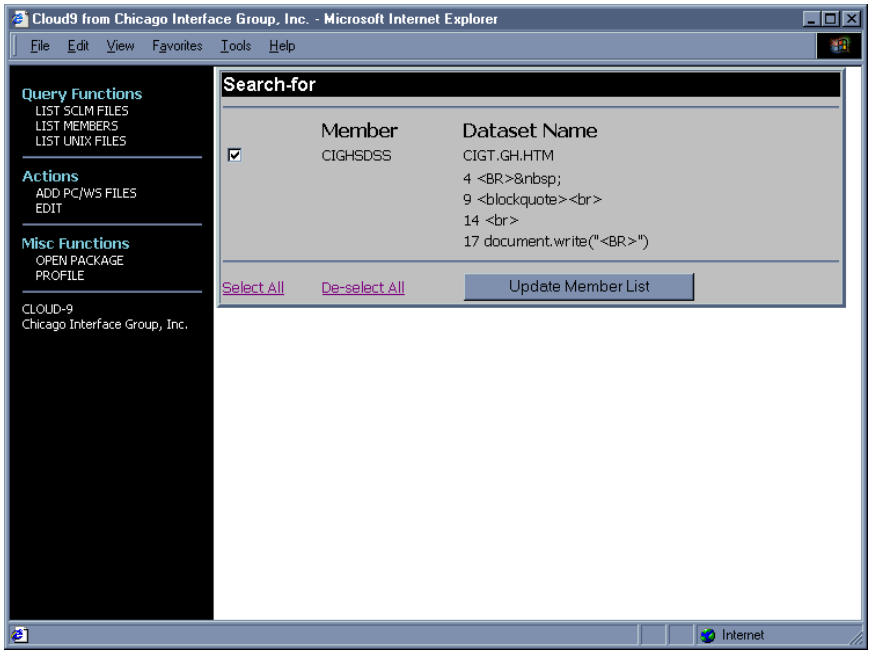


Figure 4.15 Search-For results

6. If no data matches the requested search then a ‘No Matches’ message is returned

7. If the search was successful as in figure 4.15, Clicking on **Update Member List** will return a PDS member list containing only the members involved in which the data string was found.

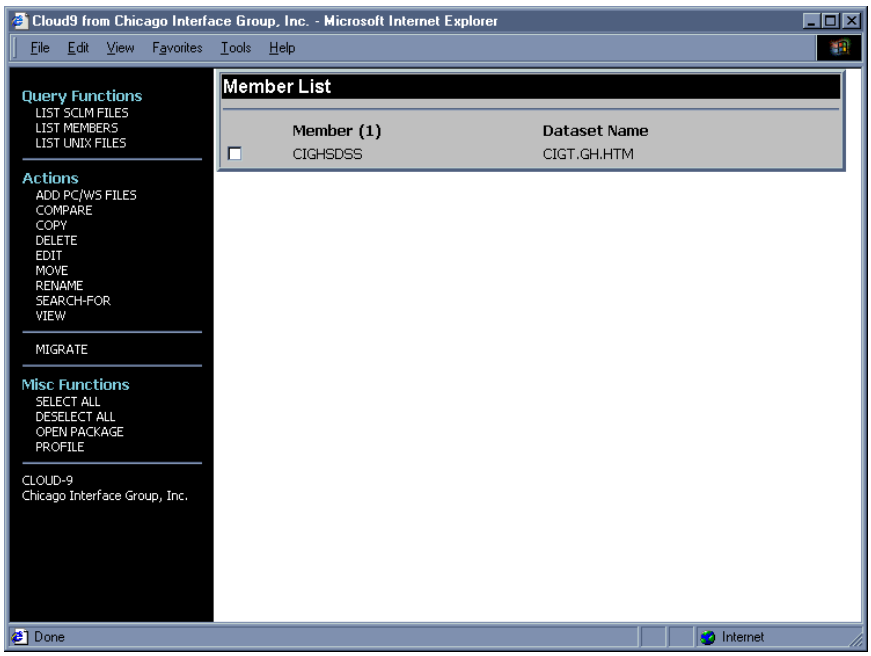


Figure 4.16 Updated member list

Migrate to SCLM

Cloud 9 gives you the ability to Migrate multiple PDS Members to SCLM at one time.

1. Drive a list of PDS members
2. Select member(s) to be Migrated
3. Click **MIGRATE** on the main menu. The Migrate screen will be returned:

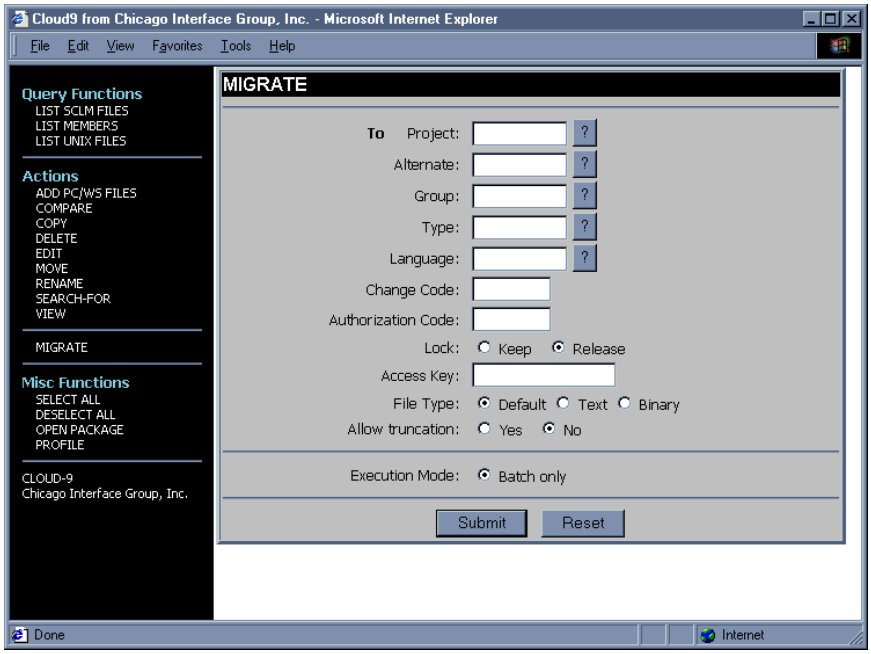


Figure 4.17 Migrate options

4. Enter in the Migrate information and click **Submit.** A conformation screen will be returned.

Chapter 5: UNIX Functionality

Chapter Overview

In this chapter you will learn to:

- Use the UNIX Query screen
- View and Edit UNIX Files
- Use the Compare function
- Copy and Move UNIX Files
- See UNIX File info
- Rename UNIX files
- Use the Search-For function
- Migrate to SCLM

Accessing UNIX files

From the Cloud 9 Main Menu, select **LIST UNIX FILES.** The screen below will appear.

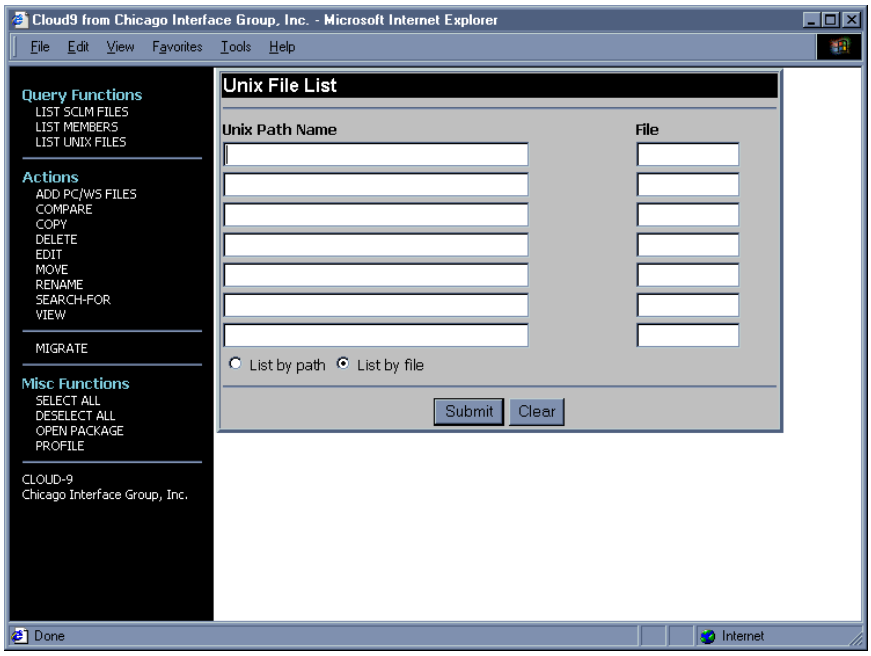


Figure 5.1 UNIX Query

1. Type the UNIX path name and/or file name you are searching for (wildcarding is not allowed for the UNIX query).

2. Click Submit and if your query data is valid a member list will be returned:

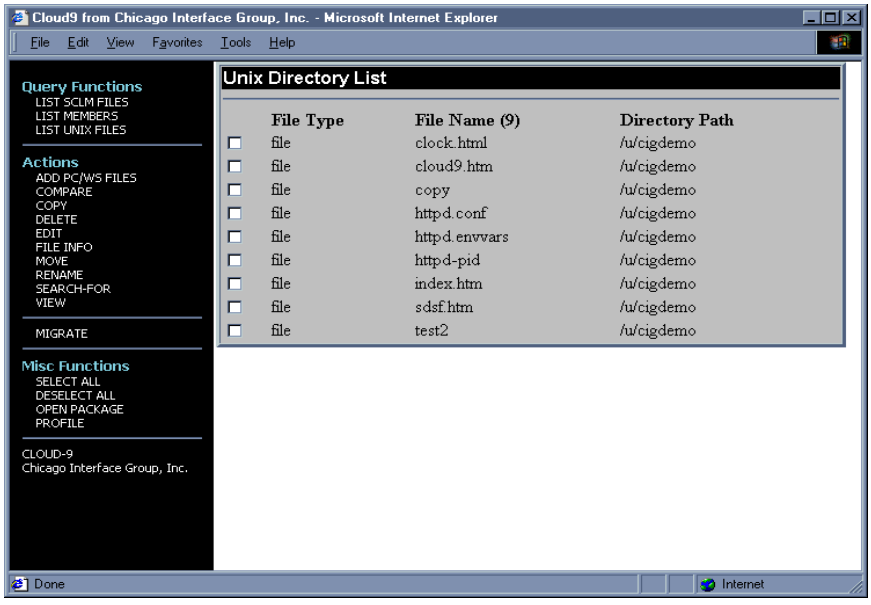


Figure 5.2 UNIX file list

Menu Navigation

Note that the menu changes after driving a list of UNIX files. The left side of the screen will always reflect the actions available based on what has been listed. In this case, the navigation menu reflects all UNIX actions.

Viewing UNIX files

1. Select **VIEW** from the Cloud 9 Main Menu to perform the view function. The View menu will appear.

2. Click on the box next to the file(s) you wish to view.

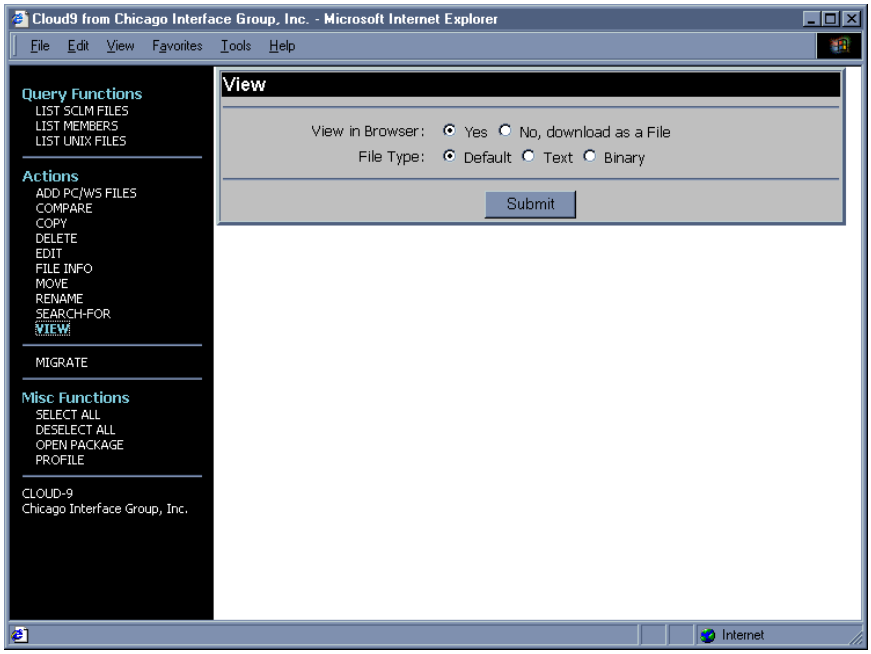


Figure 5.3 View options

3. Set the “Display in Browser” and “File Type” options
4. Click **Submit**. Depending on the options selected, Cloud 9 will either launch a new browser window(s) or download the file (for more info see Chapter 3)

Editing UNIX files

To edit a UNIX file:

1. Go back to your list of UNIX files. (figure 5.2)
2. Select a file(s) for editing
3. Click **EDIT** on the main menu.
4. Depending on the setting in your profile, either a new browser window will be launched or the following screen will be returned:

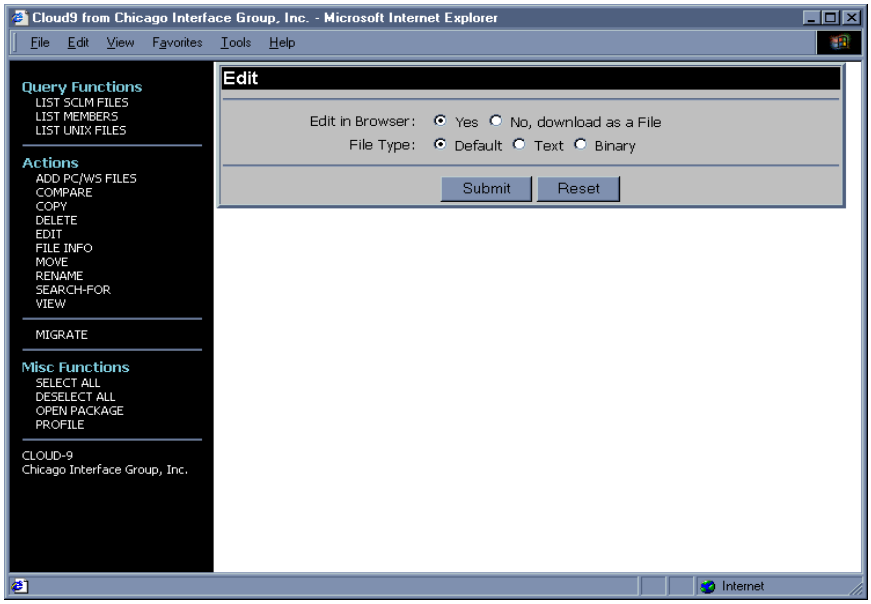


Figure 5.4 Edit options

5. Set the “Edit in Browser” and “File Type” options. (downloading a file is covered in chapter 3)
6. Click **Submit.** Cloud 9 launches a new browser window(s) and displays the file for editing.

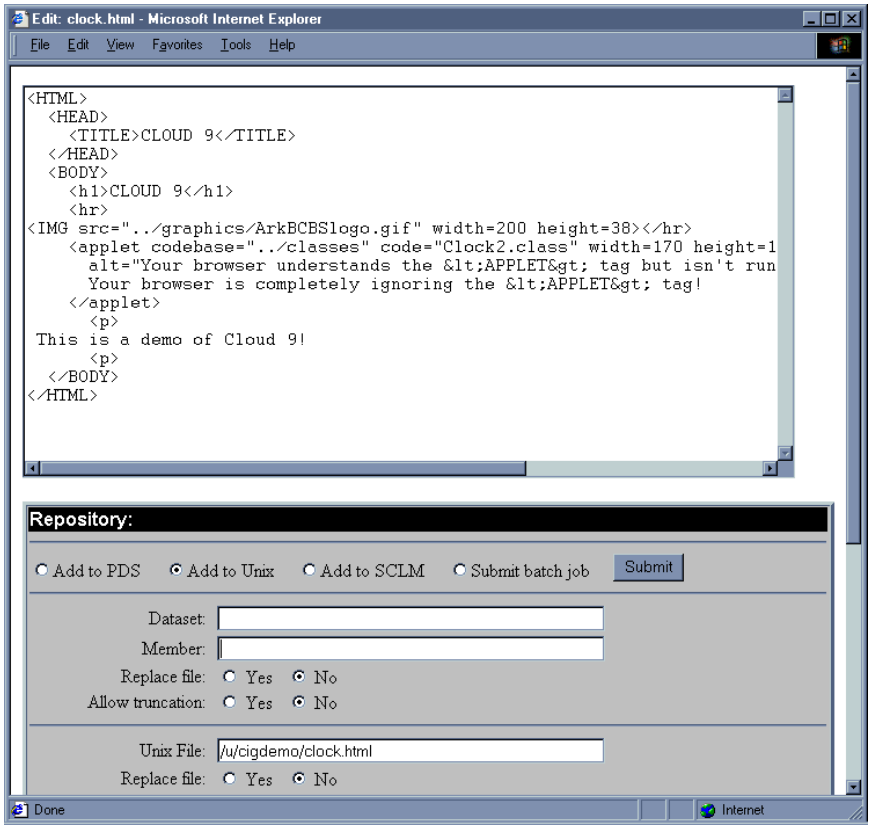


Figure 5.5 Add back options

Compare

Cloud 9 gives you the ability to compare UNIX files. Files can be compared against files in the same directory, a different directory, or a PDS dataset. The compare results can be used to show changes that have been made to a file (inserts, deletes, etc.).

1. Drive a list of UNIX files
2. Select a file, or files you wish to compare
3. Click on **COMPARE** on the main menu
4. The following screen will be returned:

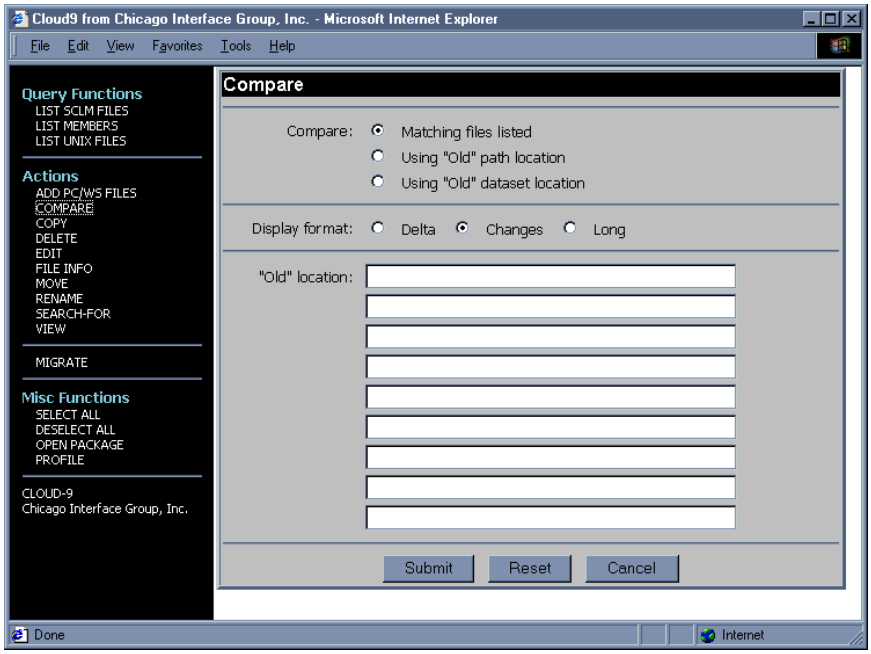


Figure 5.6 Compare options

The different compare options are used depending on what you have selected from the UNIX file list.

The first option “Matching members listed” is used to compare two files from the same UNIX directory.

“Using alternate directory” is used for comparing a UNIX file against the same UNIX file in another directory.

“Using alternate dataset” is used for comparing a UNIX file to the same file in a PDS dataset.

5. Set the “Compare” and “Display Format” options
6. Enter the Alternate location if applicable.
7. Click **Submit.** The results screen should look like the following screen:

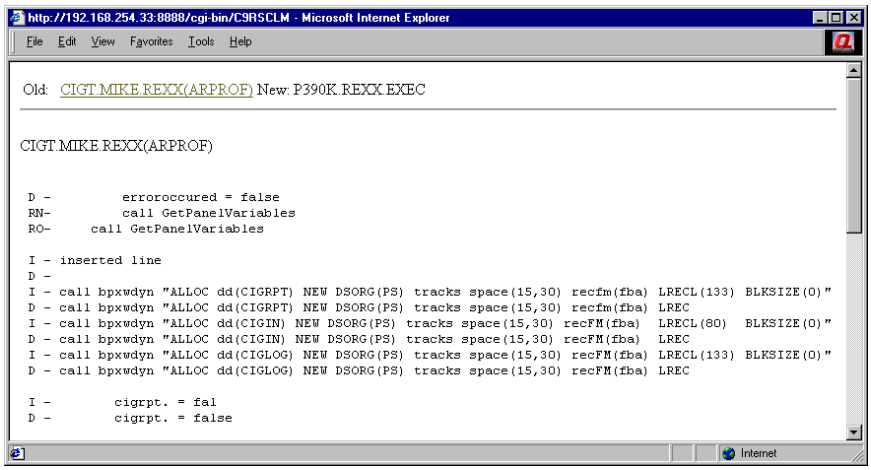


Figure 5.7 Compare Results

Copying UNIX files

Using Cloud 9 you can copy UNIX files to a PDS dataset or to a UNIX directory. (Copying to PDS is covered in the previous chapter)

1. Drive a list of UNIX files
2. Select a file(s) to be copied
3. Click **COPY** on the main menu. The following screen will be returned:

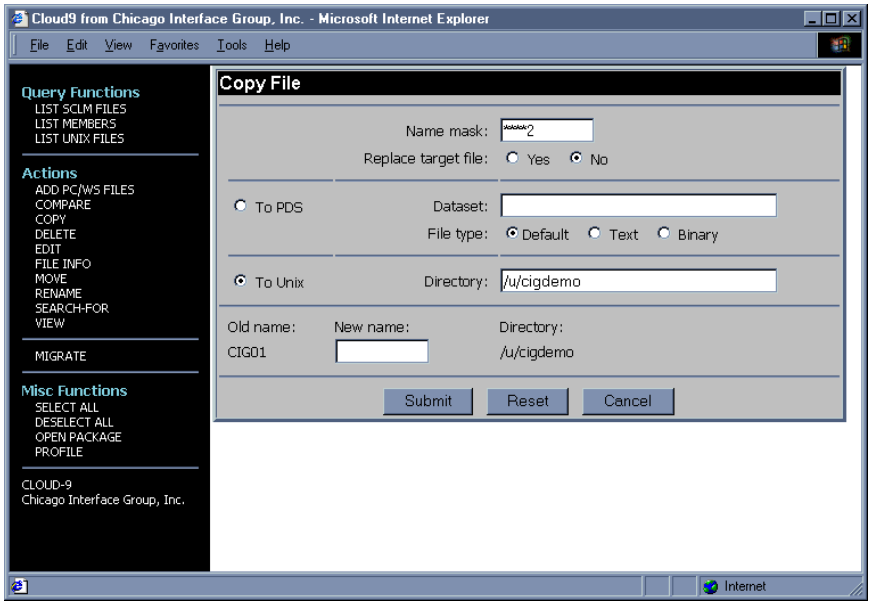


Figure 5.8 Copy options

Not only can UNIX files be copied to UNIX or PDS, but also they can be renamed using either the ‘Name Mask’ or the ‘New Name’ fields.

The ‘Name Mask’ field is used to change individual characters. For example entering ‘****2’ in the name mask field will change the member name from ‘CIG01’ to ‘CIG02’.

The ‘New Name’ field is used when a completely new name is wanted.

Be sure to note the ‘Replace Target File’ option if there is already a member in the target dataset with the same name!

4. Once all the options have been selected and the name has been decided, click **Submit.** The following screen should be returned:

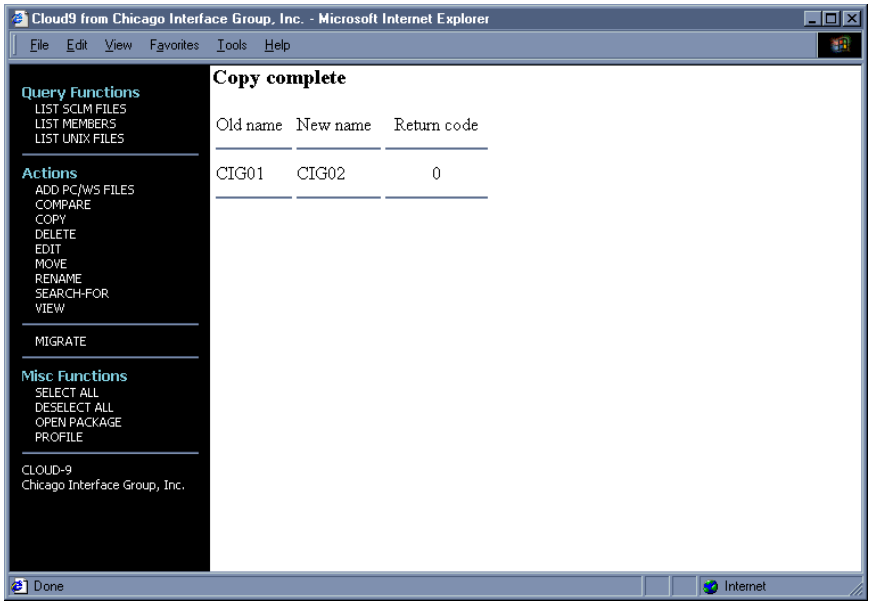


Figure 5.9 Copy results

Moving UNIX files

Using Cloud 9, you can move UNIX files to another UNIX directory or to a PDS dataset. (Moving to PDS was covered last chapter).

1. Drive a list of UNIX files
2. Select the UNIX files(s) to be moved
3. Click **MOVE** on the main menu
4. The following screen will be returned:

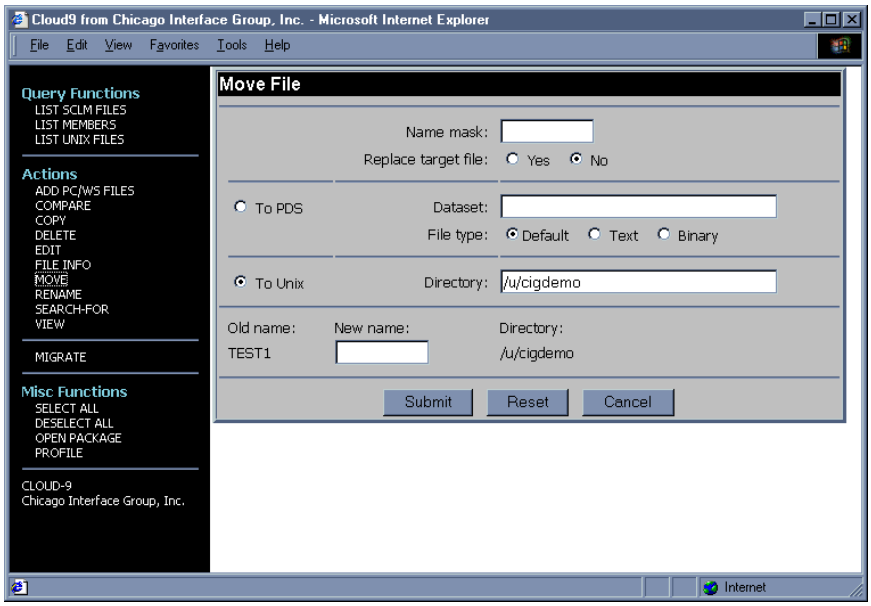


Figure 5.10 Move options

On a move, the 'Name Mask' and 'New Name' fields can be used to change the name of the file(s) being moved. (see Copying UNIX files for more info)

Be sure to note the 'Replace Target File' option, if there is already a file in the target directory with the same name!

5. Once all the options have been selected and the name has been decided, click **Submit.** The following screen should be returned:

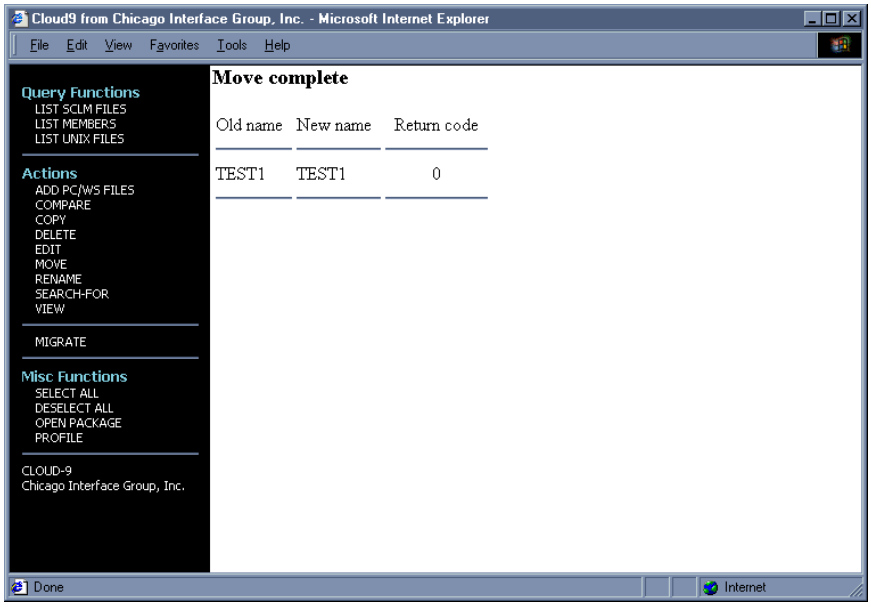


Figure 5.11 Move results

UNIX File Info

Cloud 9 allows you to access UNIX File information and change the file's attributes.

1. Drive a lost of UNIX files
2. Select the file(s) whose info you wish to obtain
3. Click **FILE INFO.** The following screen should be returned:

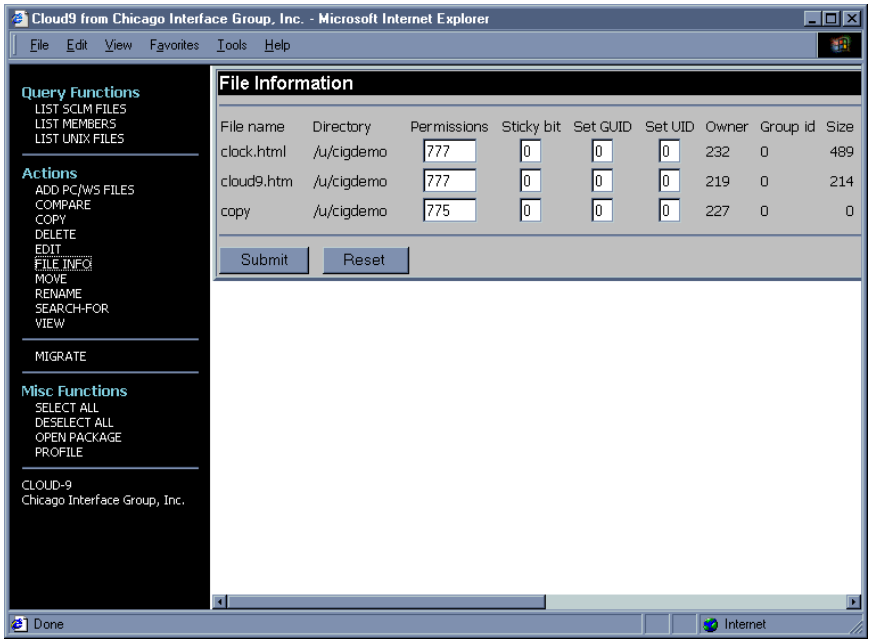


Figure 5.12 File info options

4. There are 4 options that can be changed. Once they are changed click **Submit** and the following screen will be returned:

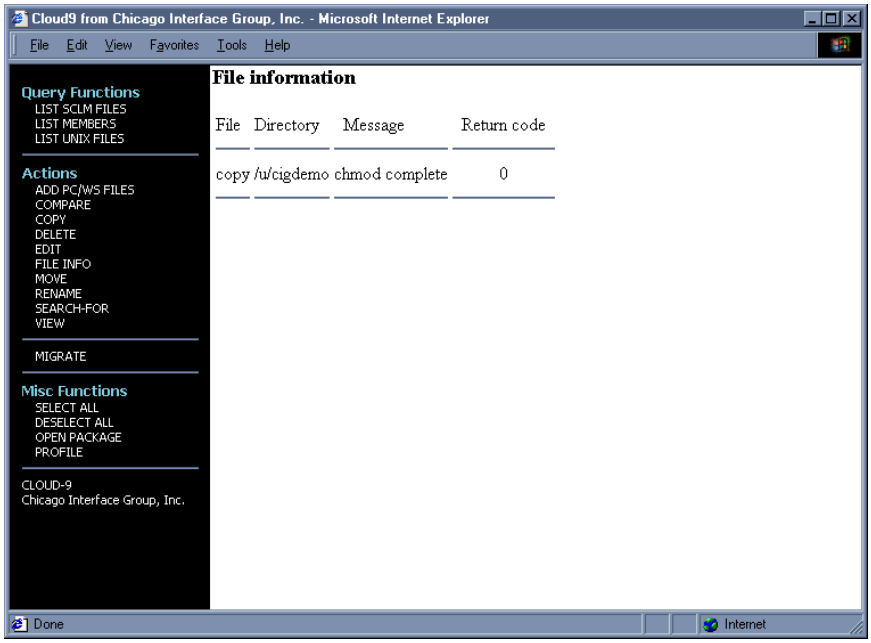


Figure 5.13 File info results

Renaming UNIX files

One or more UNIX files can be renamed using the Rename function. The Rename function works the same as the 'Name Mask' and 'New Name' fields on the Copy and Move panels

1. Drive a list of UNIX files
2. Select the file(s) to be renamed
3. Click **RENAME** on the main menu. The following screen will be returned

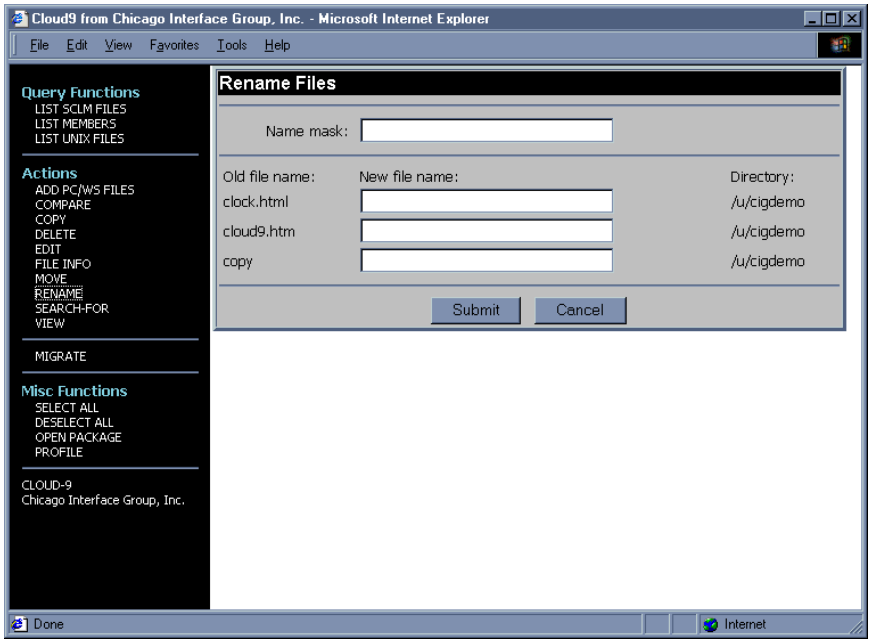


Figure 5.14 Rename options

4. Enter data in either the ‘Name Mask’ or ‘New Name’ fields to change the name of the selected UNIX file. (Reference Copying UNIX files for more info)

5. Click Submit. The following return message should be returned:

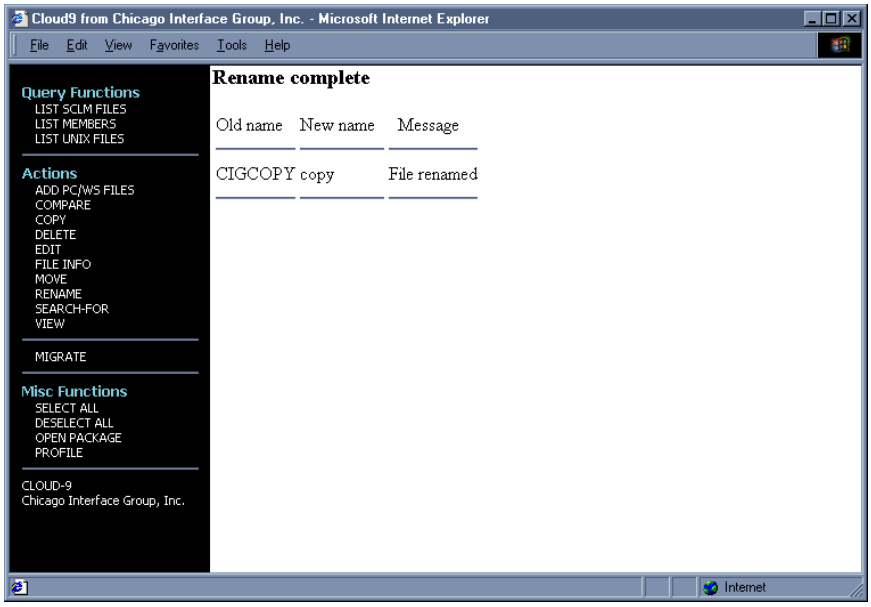


Figure 5.15 Rename results

Search - For

Cloud 9's Search-For function allows you to search UNIX files for individual data strings.

1. Drive a list of UNIX files.
2. Select file(s) for search.
3. Click **SEARCH-FOR** on the main menu. The following screen should be returned:

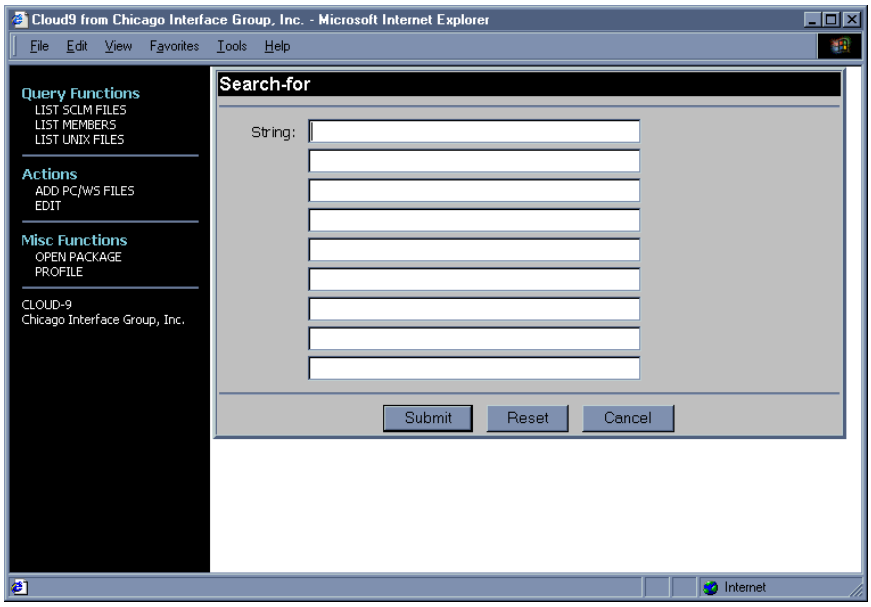


Figure 5.16 Search-For options

4. Enter the data string(s) to search for and click **Submit.**
5. If there are any matching data strings, results similar to these should be returned:

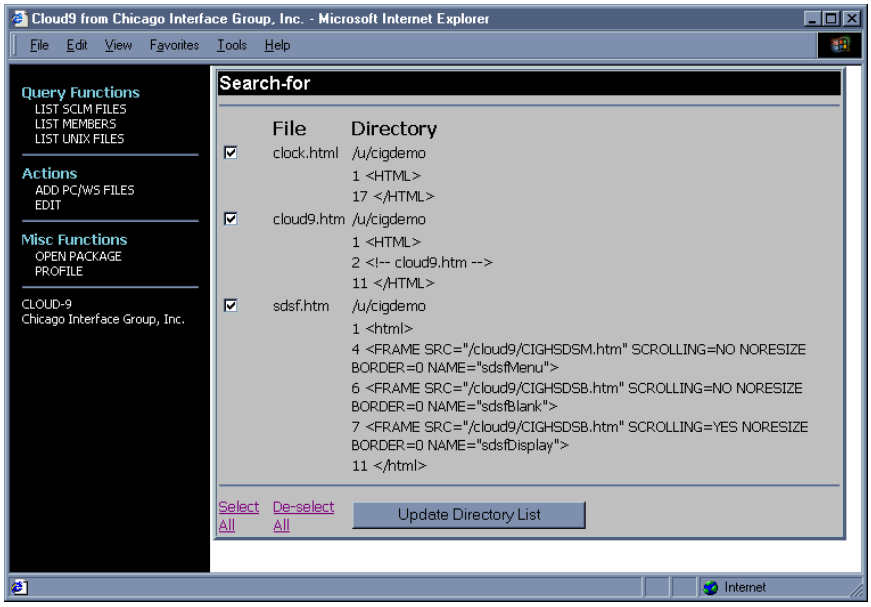


Figure 5.17 Search-For results

6. If no data matches the requested search then a 'No Match' message is returned.

7. If the search was successful as in figure 5.17, clicking on **Update Directory List** will return a UNIX file list containing only the files involved in which the data string was found.

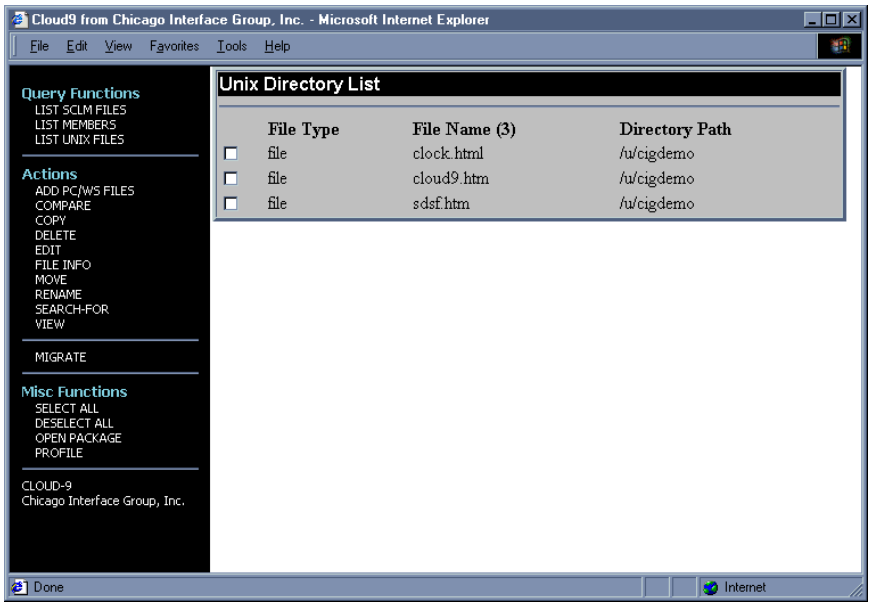


Figure 5.18 Updated Directory list

Migrate to SCLM

Cloud 9 gives you the ability to Migrate multiple PDS Members to SCLM at one time.

1. Drive a list of PDS members
2. Select member(s) to be Migrated
3. Click **MIGRATE** on the main menu. The Migrate screen will be returned:

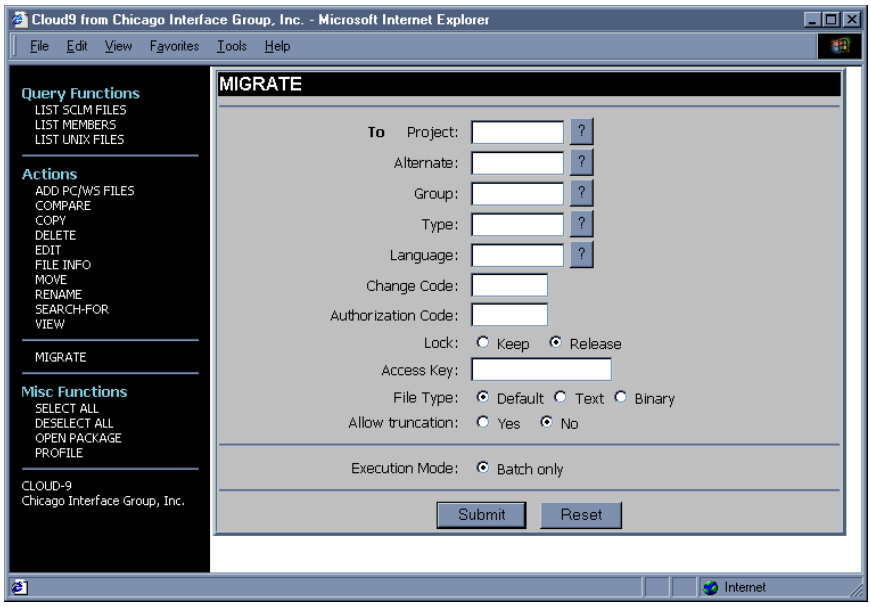


Figure 5.19 Migrate options

4. Enter in the Migrate information and click **Submit.** A conformation screen will be returned.

Chapter 6: Usage Scenarios

Chapter Overview

This chapter describes how to use Cloud 9 to manage your SCLM life cycle and development process, including how to:

- Use complex queries for multi-location selection lists
- List and build members based on SCLM language
- List and promote members based on SCLM change codes
- Use package processing to promote changes into production

Scenario #1: Concurrent Members and Listing Options

In scenario one, the user submits a query of file types, based on specific constraints: the type of file and the file's access key. Because we inserted the wild card the Group field, the list will consist of elements across all groups in the hierarchy. Accordingly, users can list all occurrences of SCLM members – including those in a parallel group – in the hierarchy, allowing a visual representation of concurrent development.

Multiple Constraint SCLM Query

1. Click on **LIST SCLM FILES** on the Cloud 9 Main Menu. The next screen will display the SCLM Query screen.
2. Fill in the appropriate query fields to search within your given parameters. In figure 6.1, the user's search is based on the Type and Access Key.

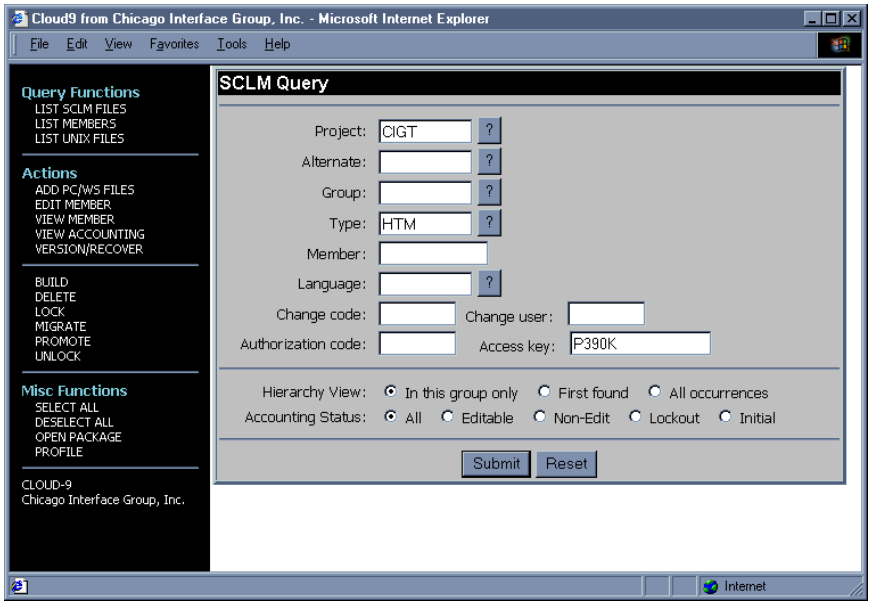


Figure 6.1 Complex Search for Parallel Development

3. Press **Submit**. In this example, Cloud 9 retrieves all of the files that have the type HTM, and are locked by an access key of P390K (Figure 6.2 on the following page).

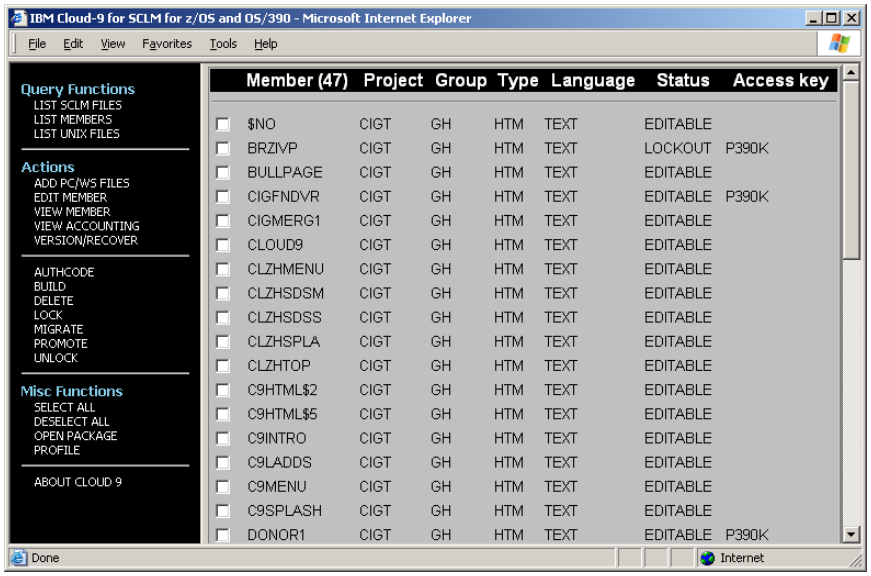


Figure 6.2 List Matching SCLM Members

Menu Navigation for SCLM Member Lists

Note: The menu on the left side of the screen has changed since requesting the SCLM member list. This menu will always reflect the actions available to the type of object listed, in this case, SCLM members.

Scenario #2: Build Action Based on Language

In this scenario, you can identify all members that are a particular language and, once the list has been determined, use the Build action to build the members in preparation for promotion.

Building a List of Same-Language Files

From the SCLM Query screen (Figure 1.4):

1. Enter search criteria of Group, Type, and Language. In this example, we are searching for files in any group, of any type, but written in REXX only (Figure 6.3).

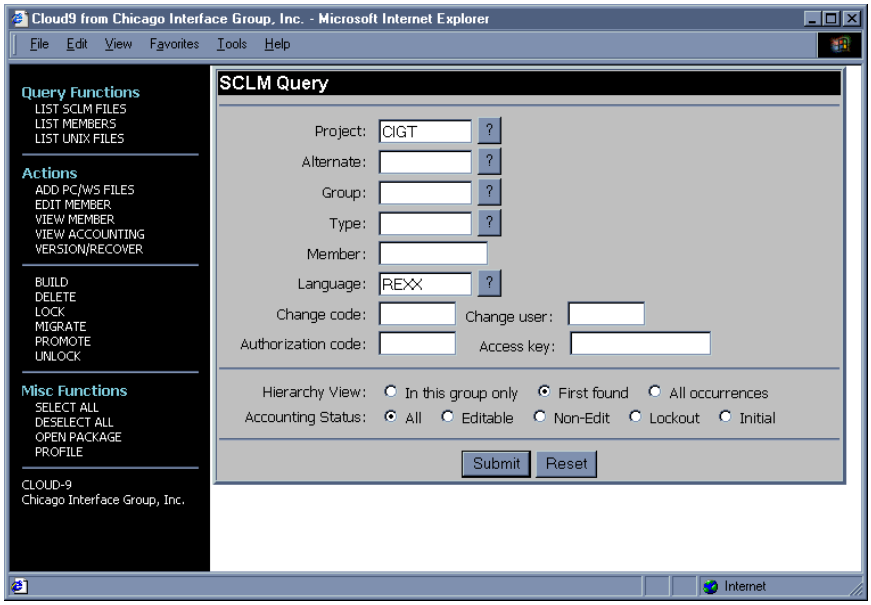


Figure 6.3 Query for SCLM Objects Written in REXX

2. Press **Submit**. Cloud 9 will search and retrieve all files matching the specified criteria.

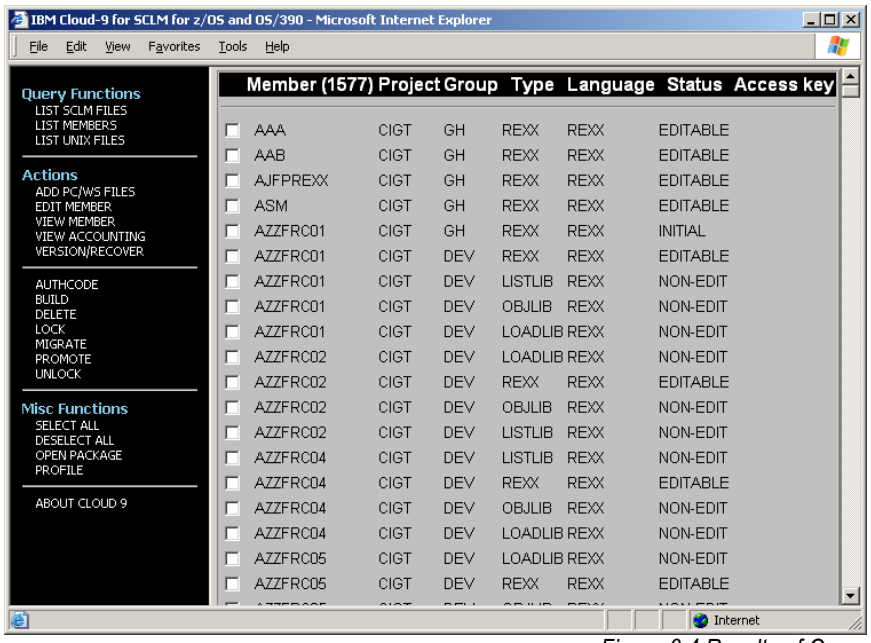


Figure 6.4 Results of Query

3. Click **SELECT ALL,** on the menu, to select all of the retrieved files (Figure 6.4).
4. Click **BUILD.** The Build menu will appear (Figure 6.5)

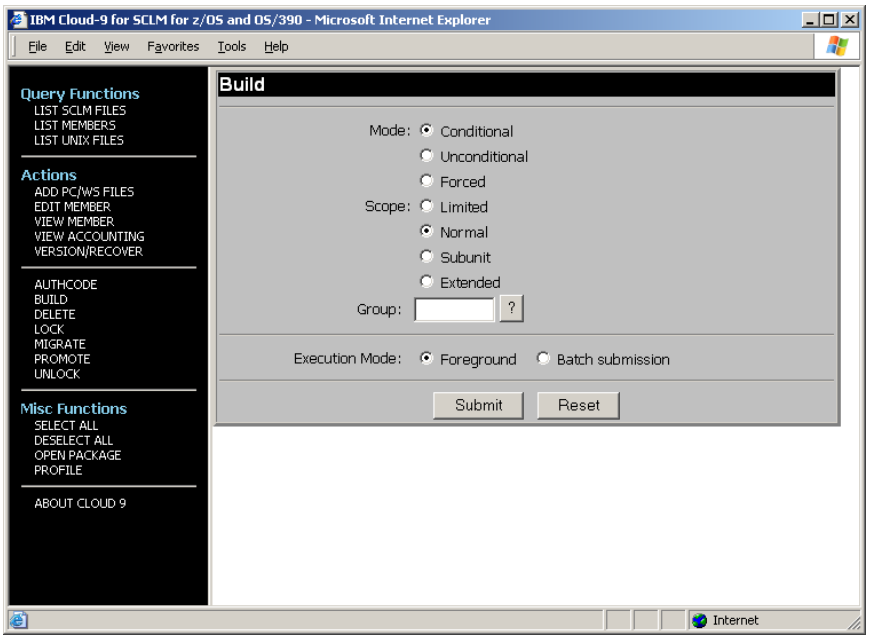


Figure 6.5 Build Screen

5. After selecting the Mode, Scope, and (if desired) Group location, click **Submit**.

6. You will get a confirmation screen reporting that your job was submitted. The screen will vary according to whether Batch or Foreground mode was selected.

Scenario #3: Promote Based on Change Code

In this scenario, code was edited in several programs earlier in the year and the CCID "CIG02" was assigned to those programs. As part of an auditing process, you now need to identify all programs that were assigned this particular CCID – even if additional changes using different CCID's have been made – and promote the members.

CCID Based Queries

From the SCLM Query screen (Figure 1.4):

1. Fill in the requested Change Code value. In our example, we will use "CIG02" (Figure 6.6).

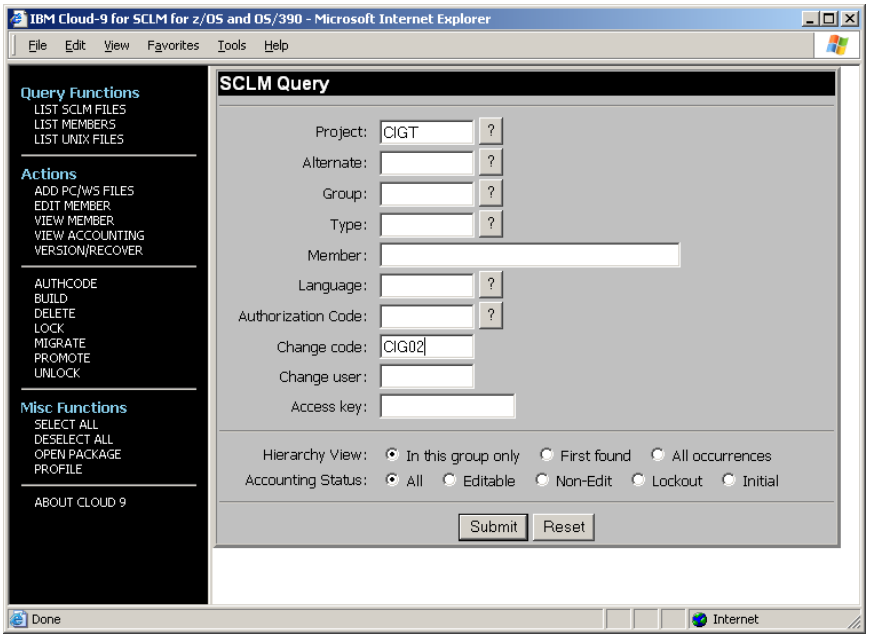


Figure 6.6 SCLM Query Screen, with CCID Based Query

2. Click **Submit.** Cloud 9 will retrieve all files assigned the CCID "CIG02".
3. To select all of the files, click on **SELECT ALL**.
4. Click on **Promote**. The screen in figure 6.7 (on the following page) will be displayed.

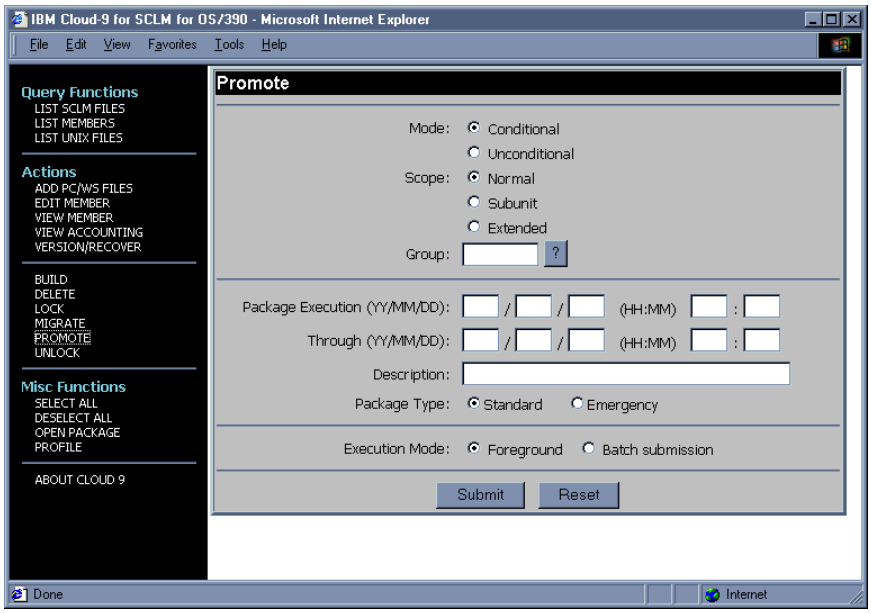


Figure 6.7 Promote Member Screen

5. Select your options (Mode, Scope, Group, and execution mode) and click **Submit**. A confirmation screen will be returned.

Scenario #4: Promote Changes Using Packages

SCLM packages rely upon high-level architecture members. These members contain directives to tell SCLM which members to build or promote. Cloud 9 provides a service to assist in the creation and modification of SCLM packages. This action does not work against a list of SCLM members.

Opening Packages

From the Cloud 9 Main Menu:

1. Click on **OPEN PACKAGE.** The Open SCLM Package screen will appear (Figure 6.8).
2. Fill in the package information (project, group, etc.).

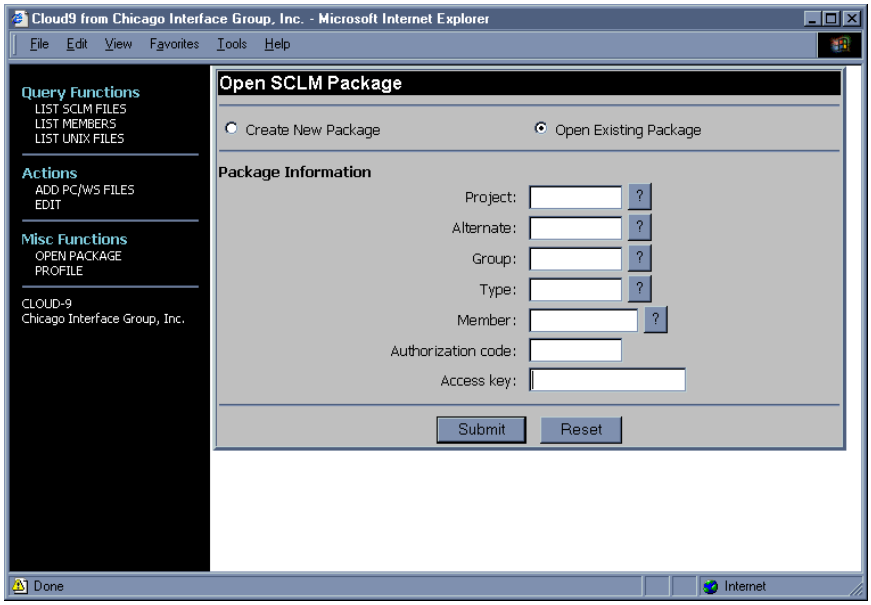


Figure 6.8 Open Package Screen

3. Click on **Submit.** You will be returned to the Cloud 9 Main Menu, which will have two new options: **ADD TO PACKAGE** and **SAVE PACKAGE** (Figure 6.9 on following page).

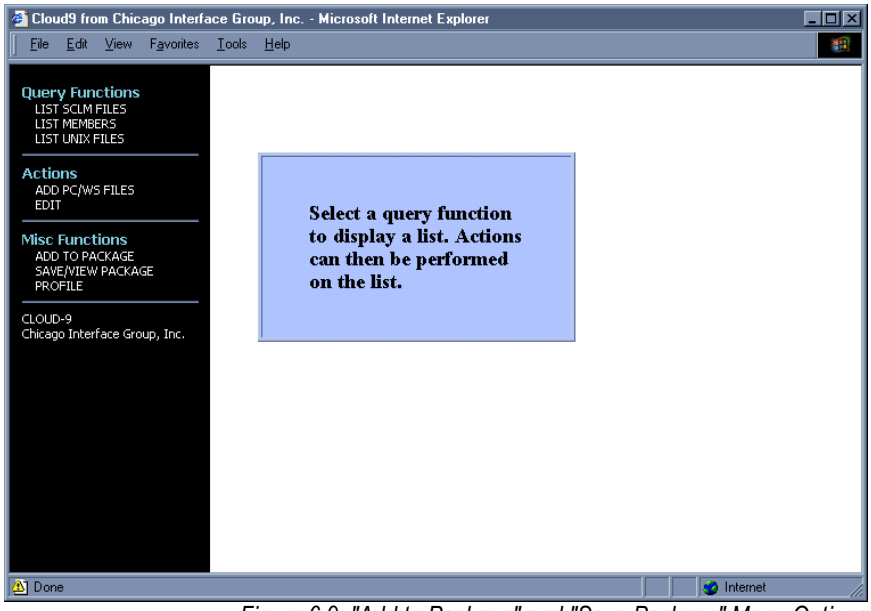


Figure 6.9 "Add to Package" and "Save Package" Menu Options

Adding SCLM Members to a Package

To add SCLM members to an open package:

1. Drive a list of SCLM members using the **LIST SCLM FILES** menu option.
2. Select one or more members from list.
3. Click on **ADD TO PACKAGE**. The screen and message in figure 6.10 will be displayed.

6.10 Package ADD Message

Editing and Saving SCLM Packages

To save the contents of the SCLM package for processing at a later time:

Click **SAVE/VIEW PACKAGE**. The screen in figure 6.11 (on the following page) will be displayed.

1. Click **Submit** to save the member back into SCLM for later execution processing.

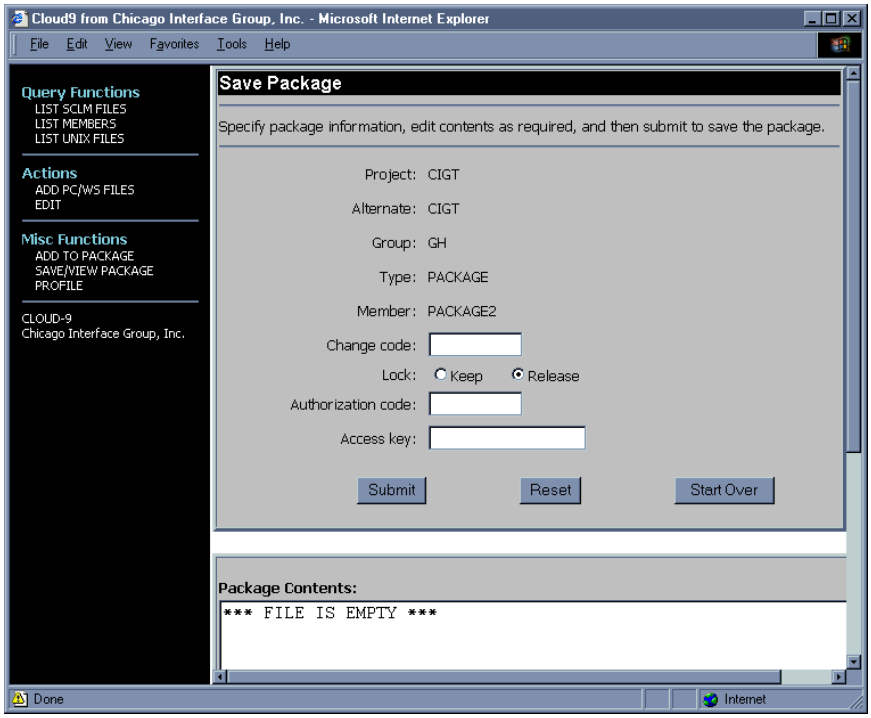


Figure 6.11 Edit, View and Save Package Screen

Executing Packages

After the Save Package process has been completed, there will be a member in SCLM in which you will find the package contents. Executing packages consists of only two steps:

1. Performing the Build action on the SCLM member that contains the package.
2. Performing the Promote action on the SCLM member that contains the package.

Breeze Interface

If Breeze™ for SCLM is implemented, approvers will be assigned and emailed at various points in the promotion process. Once approvers are assigned to a package, the package cannot be promoted unless it has been approved by the assigned quorum of voters. For more information on the Breeze product, see your Cloud 9 administrator.

Chapter 7: Cloud 9 with the CA-Endevor Bridge

Chapter Overview

This chapter describes how to use Cloud 9 to migrate source code from CA-Endevor to SCLM:

- Perform Endevor listing functions
- Migrate existing elements into SCLM
- Migrate with and without history into SCLM

Cloud 9 with the CA-Endevor Bridge

The Endevor Bridge is designed to assist SCLM implementers with listing and building Endevor syntax for export and subsequent import into SCLM. The main difference between the standard Cloud for SCLM and Cloud 9 for SCLM with the Endevor Bridge is the appearance of the **LIST ELEMENTS** menu option. All other SCLM functionality is the same. The screen in figure 7.1 shows the additional listing function.

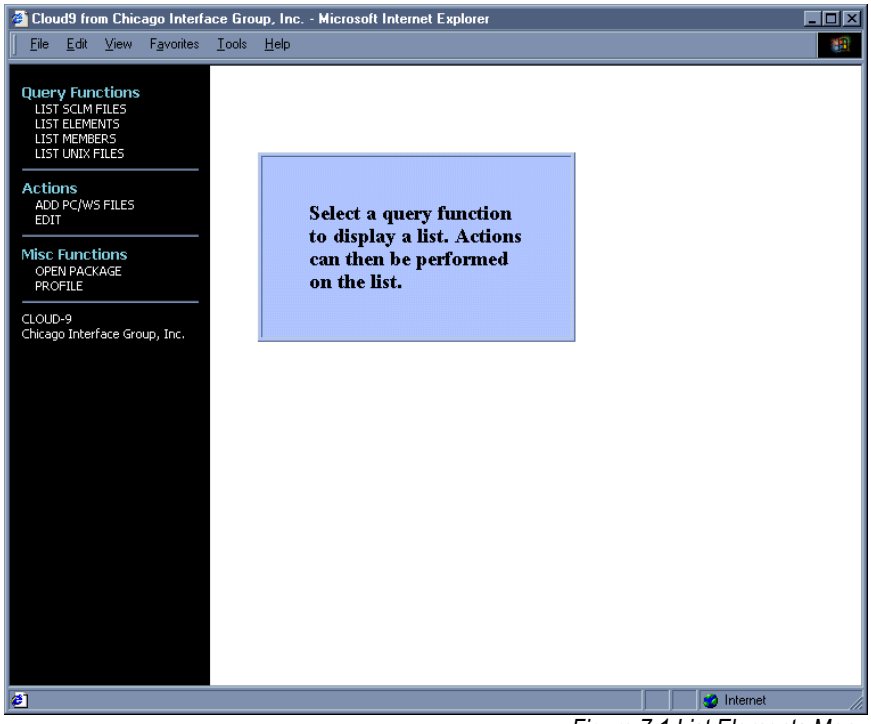


Figure 7.1 List Elements Menu

Listing Elements

The screen in figure 7.2 will be provided to the user for element listing.

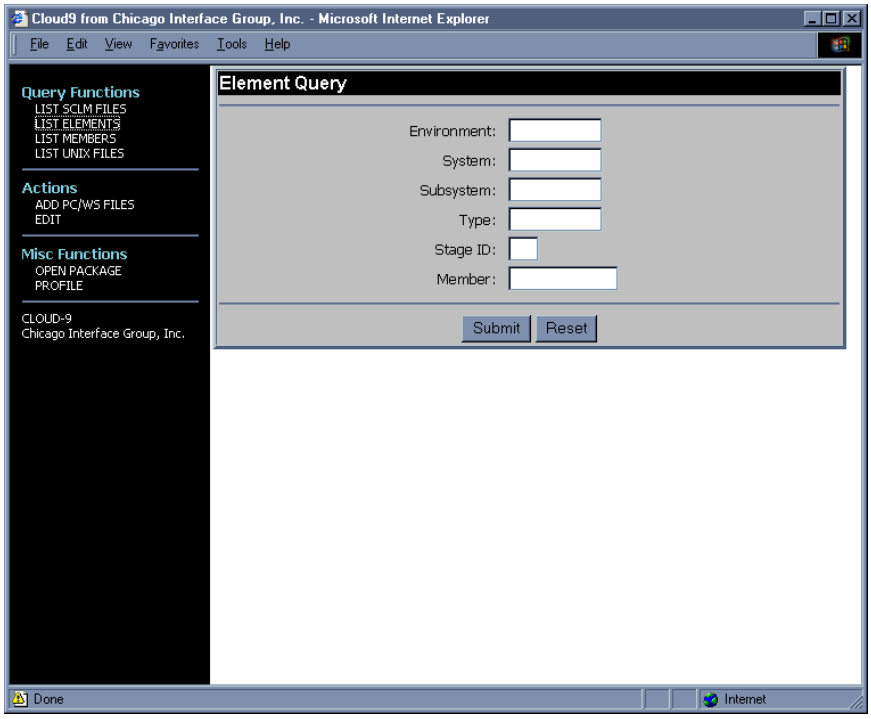


Figure 7.2 Element Query Screen

Note: The Environment field is required (i.e., you may not use the wildcard value in this field).

Enter the known CA-Endevor values and click **Submit**. Cloud 9 will return an element list.

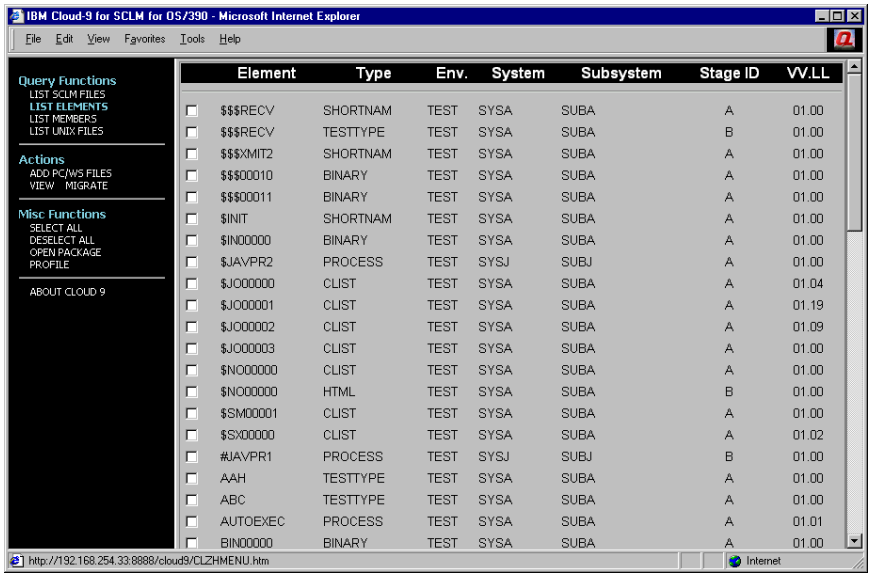


Figure 7.3 List of CA-Endevor Elements

Actions against an Element List

Once the list of elements is displayed, the user has a few options for working with the Endevor elements. Aside from requesting the **CONVERT TO SCLM** action, users can also perform standard Endevor Browse functions against the elements. The screen below (Figure 7.4) is displayed in response to clicking on the **VIEW** action in the menu bar.

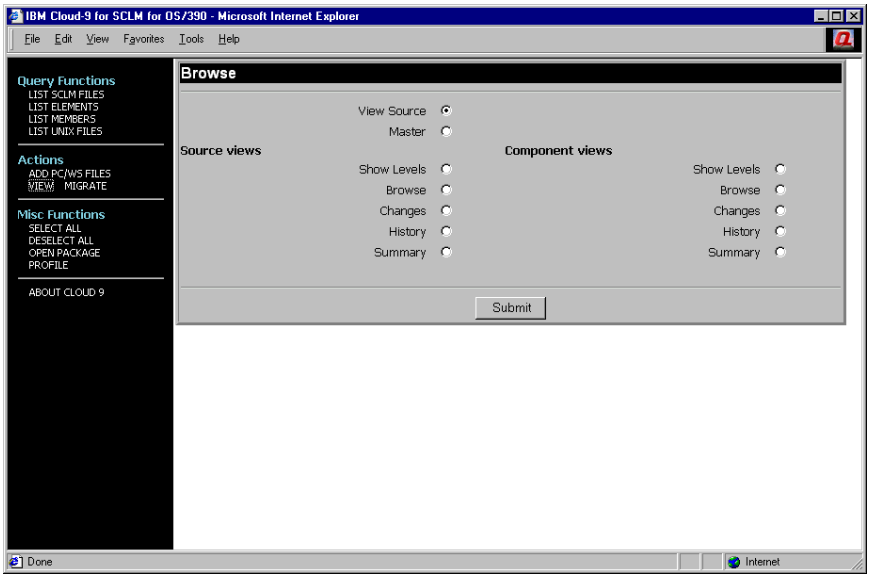


Figure 7.4 View Elements Screen

After accessing the View Elements screen, the user can perform all standard CA-Endevor functions.

Migrating to SCLM from CA-Endevor

1. Drive a list of Endevor elements (for details on how to drive the list of Endevor elements, please see the beginning of Chapter 7).
2. Click on **Submit.**
3. One the element list is returned, click on **SELECT ALL,** or individually select elements for processing.
4. Click on **CONVERT TO SCLM**. The Convert Elements to SCLM Members screen (Figure 7.5 on the following page) will be displayed.
5. Click **Submit**. Cloud 9 will submit a batch conversion job.

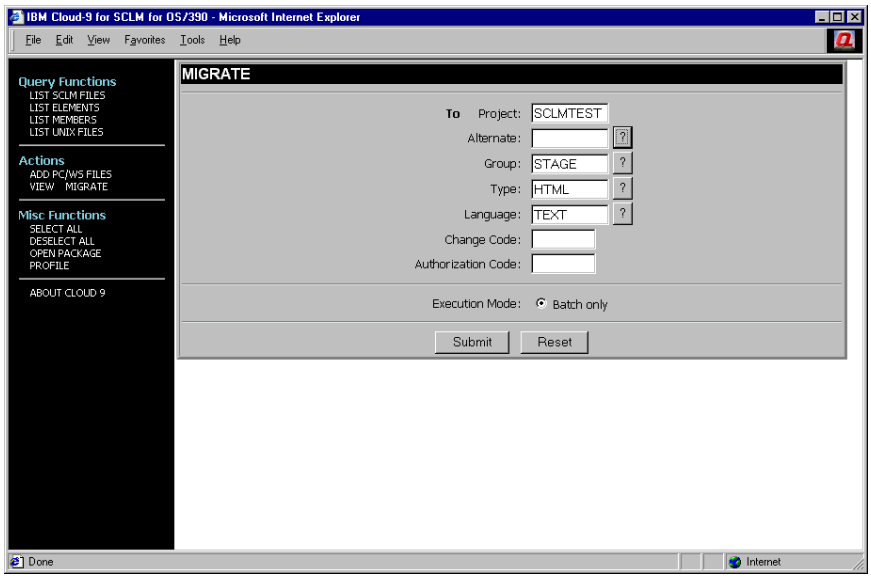


Figure 7.5 Convert Elements to SCLM Members Screen

Note: The Project, Group, Type, and Language fields are required (i.e., you may not use the wildcard value in these fields). Change Code and Authcode fields are optional.

Appendix A: Creating and Adding .jpg Images to the User Profile

Overview

This appendix covers how to create, scan, and add .jpg images to your user profile.

Creating the File

To create a .jpg or picture file, you need to capture your image and save it. There are many ways to capture images:

- Take a picture with a digital camera
- Scan an existing photograph into a PC
- Take a photograph with a film camera but have the developer provide a disk version rather than (or in addition to) a printed photograph
- Take an existing photograph to a copy or office supply store and have them scan it into a .jpg file

Some photo development companies will develop your pictures and post the files on the web. To retrieve the file:

1. Go to the web site address they provide you with
2. Right click on your picture.
3. Select "Save Image As . . ." A save dialog box will appear.
4. Enter a name for the file.
5. Click Save.

Note: Check to make sure the file is stored with a .jpg extension. Other file formats are not supported.

Adding the File

To add the .jpg file to your profile:

1. Select “Profile” from the Cloud 9 Main menu on the Cloud 9 main screen.
2. Type in the location of the .jpg file.
3. If the file location is on the A: drive, Select Browse.
4. Move to the A: drive.
5. Highlight the file.
6. Select Open.
7. The file directory path will auto-fill on the Profile panel.
8. Click the Update profile button to submit the new picture.

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