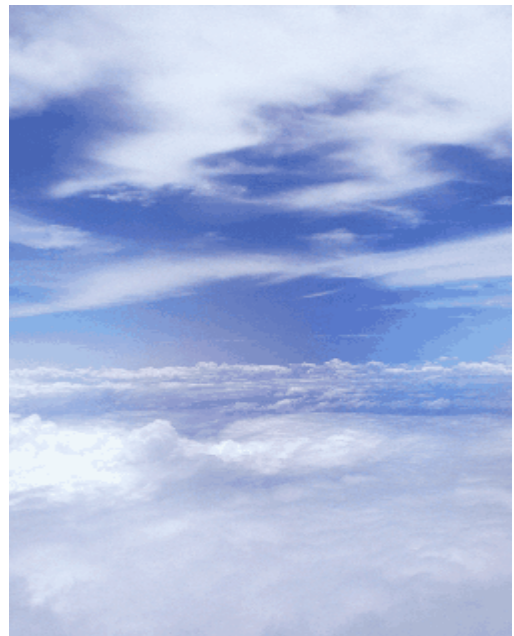

Chicago Interface Group, Inc.

Cloud 9 for Endeavor User Guide



Version 12.0

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Chapter 1: Overview

What is Cloud 9?

Cloud 9 is a powerful application that provides CA-Endevor (Endevor) users with a platform-transparent change management tool. Cloud 9 can perform all Endevor actions, including impact analysis and editing – all from a familiar and easy-to-use web based interface. Cloud 9 can manage both legacy elements and cross platform, distributed elements, such as e-business objects. Thus providing a single, powerful, secure repository for all legacy, cross platform, and e-business objects.

Cloud 9 connects remote or intranet users to the Endevor through a web browser. Cloud 9 allows developers distributed access to the programmer functions of Endevor without having to log on to TSO/ISPF. Programmers can now access controlled inventory regardless of location or host based licensing restrictions. Cloud 9 allows organizations to take advantage of the security and stability of Endevor and the z/OS platform from their Internet browser.

Chapter Overview

This chapter will describe how to get 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
- Either:
 - Netscape 4.7 or higher
 - Internet Explorer 5.0 or higher
 - **Application of Browser Service Packs may be required depending on your operating system and browser level.
- 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.

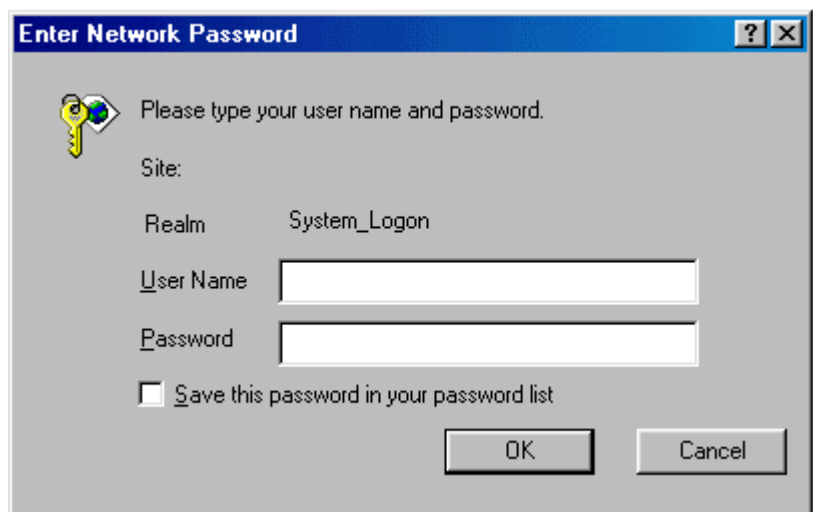


Figure 1.1 Password Dialog Screen

1. Type in your User Name and Password.
2. Click **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.

The Cloud 9 Main Screen

The next screen you see will be Figure 1.2.

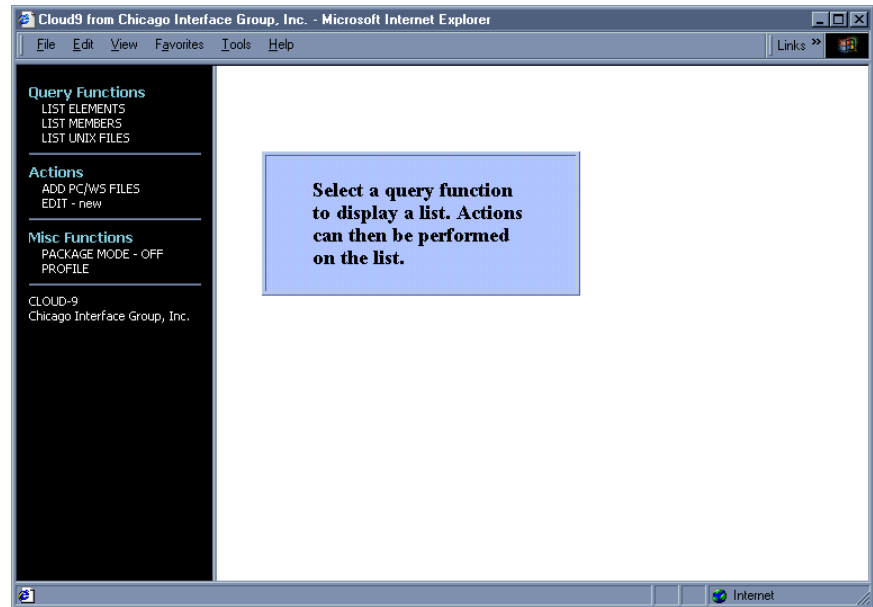


Figure 1.2 Cloud 9 Main Menu

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 browsers and editors

If no profile has been set up, then the following message will be returned after logging in to Cloud 9:



Figure 1.3 No Job Card

To set your profile:

1. Select **Profile** from the Cloud 9 Main Menu. The Profile panel will appear (Figure 1.4 on following page).

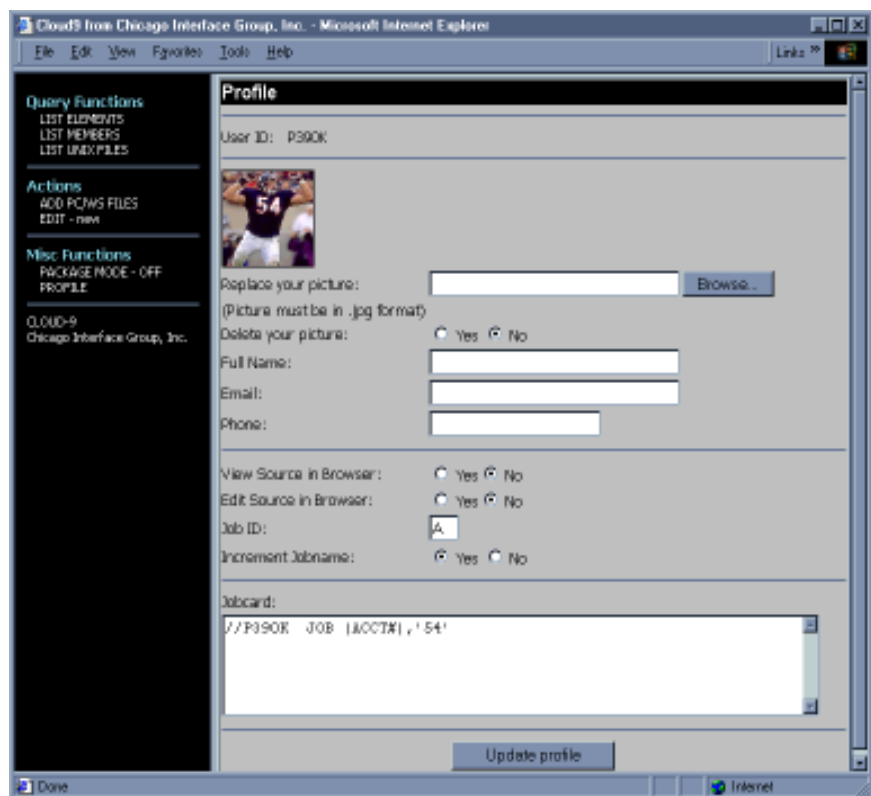


Figure 1.4 The Profile Page

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.

Accessing Elements

From the Cloud 9 Main Menu, select **LIST ELEMENTS**. The screen in Figure 1.4 will appear.

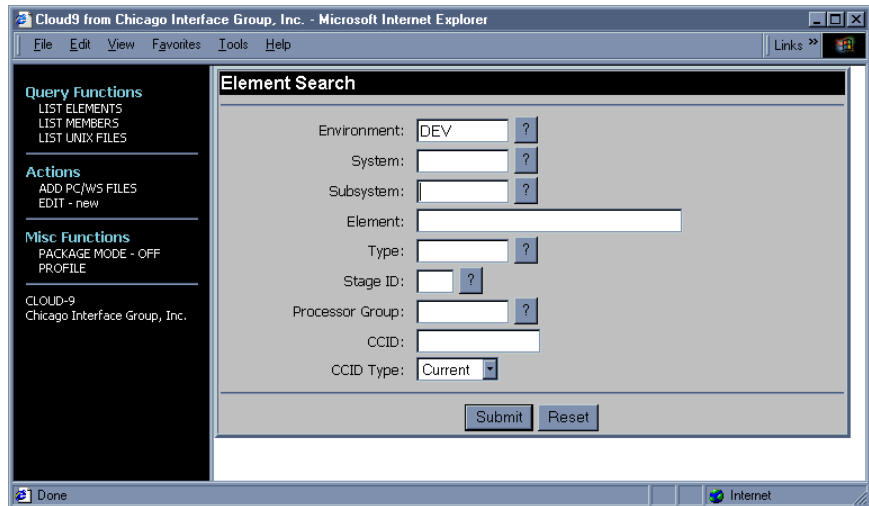
The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's address bar is empty. The main content area is divided into two sections. On the left is a sidebar with a dark background and white text. It contains three sections: "Query Functions" with links "LIST ELEMENTS", "LIST MEMBERS", and "LIST UNIX FILES"; "Actions" with links "ADD PC/WS FILES" and "EDIT - new"; and "Misc Functions" with links "PACKAGE MODE - OFF" and "PROFILE". Below these is the text "CLOUD-9" and "Chicago Interface Group, Inc.". On the right is the "Element Search" form. It contains several input fields: "Environment:" with "DEV" entered, "System:", "Subsystem:", "Element:", "Type:", "Stage ID:", "Processor Group:", "CCID:", and "CCID Type:" with a dropdown menu showing "Current". Each field has a small question mark icon to its right. At the bottom of the form are "Submit" and "Reset" buttons. The browser's status bar at the bottom shows "Done" and "Internet".

Figure 1.5 List Elements Screen

Accessing PDS Members

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

The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's address bar is empty. The main content area is divided into two sections. On the left is a sidebar with a dark background and white text, identical to the one in Figure 1.5. On the right is the "List Members" form. It contains two columns of input fields: "Dataset Name" and "Member". Each column has six empty text boxes. Below the input fields are radio buttons for "Show" with options "First found" (selected) and "All". At the bottom of the form are "Submit" and "Clear" buttons. The browser's status bar at the bottom shows "Done" and "Internet".

Figure 1.6 List Members Screen

Accessing Unix Files

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

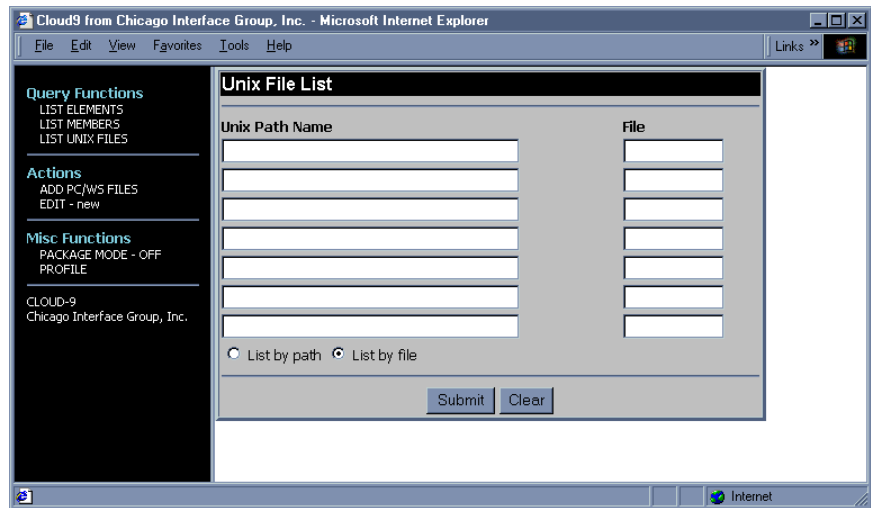


Figure 1.7 List Unix Files Screen

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, and you've become familiar with the basic screens.

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 Endeavor, PDS, or Unix through a web browser.

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

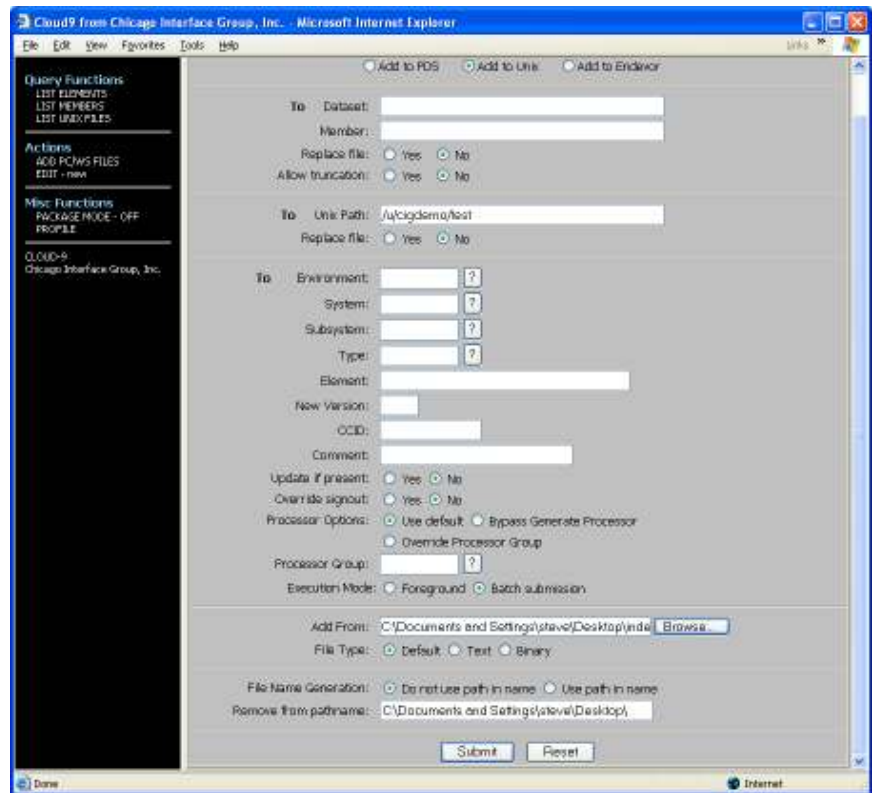


Figure 2.1 Add Options

2. Enter in the location (Endevor, Unix, or PDS) that the file is being added to.
3. Enter in a more specific location (Environment, Unix Path, Dataset, etc.) that the file is being added to and then select whatever options are relevant.
4. Click **Browse**. Select any file from your hard drive or network.
5. The “Remove from Path name” field will be filled in after a file is selected. Users must modify the field to reflect the part of the path name to remove. To keep the entire path name, clear this field. To save the file name without any directory information click on the “Do not use path in name” radio button.
6. Click **Submit** and a return screen will be returned.

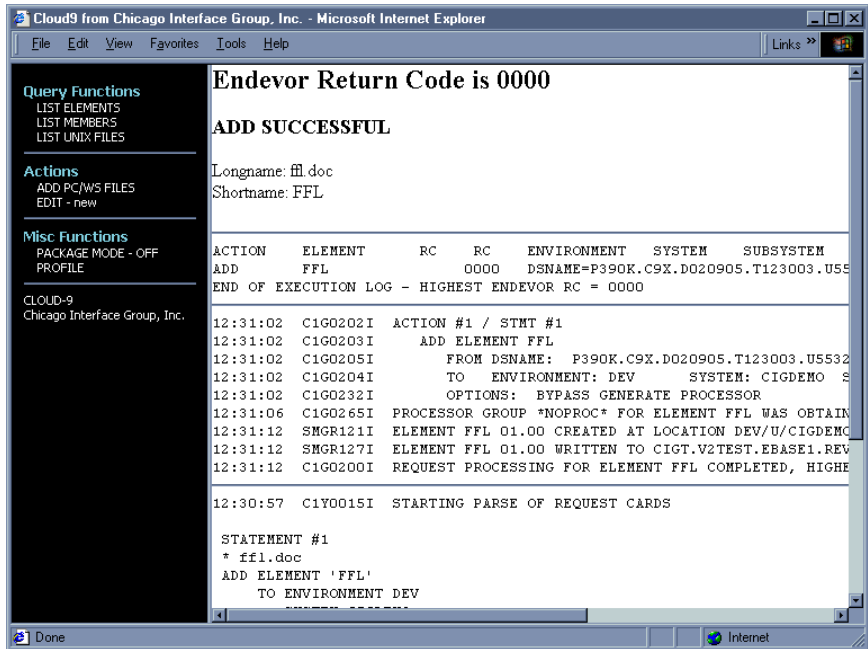


Figure 2.2 Add results

Edit

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

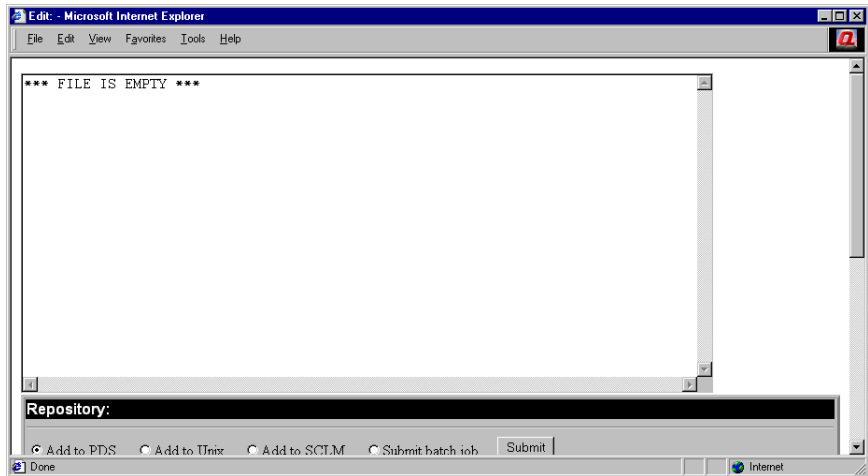


Figure 2.3 Edit

Using the Repository form, your newly created file can be added to Endeavor, PDS, or UNIX.

Figure 2.4 Edit

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 Endeavor Packages.

From the Cloud 9 Main Menu:

1. Click on **PACKAGE MODE –OFF/ON**. Turning Package Mode on gives you the option of creating, viewing, and modifying packages. For more information see Chapter 7: Usage Scenario #7.

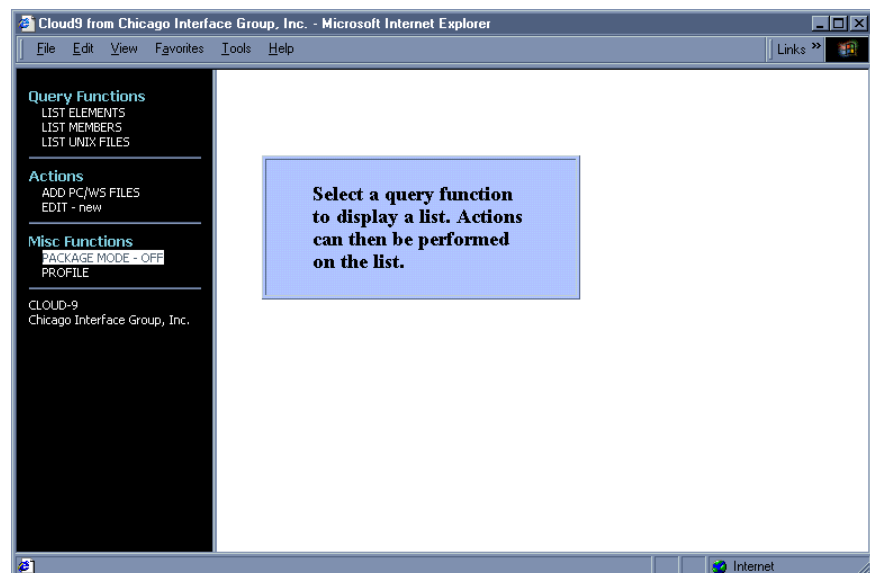


Figure 2.5 Package Mode

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 Endeavor, create a new file to add into your development environment, and how to turn on Cloud 9's package functionality.

Chapter 3: Endeavor Functionality

Chapter Overview

In this chapter, you will learn how to:

- View and edit Endeavor elements
- Add edited elements back to Endeavor
- Archive Endeavor elements
- Delete Endeavor elements
- Generate Endeavor elements
- Move Endeavor elements
- Retrieve Endeavor elements
- Sign in Endeavor elements
- Transfer Endeavor elements

Notes on the Endeavor Query Screen

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

The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The address bar shows "Links >>". The main content area is divided into two sections. On the left is a sidebar with a black background and white text. It contains three sections: "Query Functions" with links "LIST ELEMENTS", "LIST MEMBERS", and "LIST UNIX FILES"; "Actions" with links "ADD PC/WS FILES" and "EDIT - new"; and "Misc Functions" with links "PACKAGE MODE - OFF" and "PROFILE". At the bottom of the sidebar, it says "CLOUD-9" and "Chicago Interface Group, Inc.". The right section is titled "Element Search" and contains several input fields with associated labels and a question mark icon: "Environment:" with the value "DEV"; "System:"; "Subsystem:"; "Element:"; "Type:"; "Stage ID:"; "Processor Group:"; "CCID:"; and "CCID Type:" with a dropdown menu showing "Current". At the bottom of the "Element Search" section are two buttons: "Submit" and "Reset". The browser's status bar at the bottom shows "Internet".

Figure 3.1 Endeavor Query Screen

Query Fields:

The inventory and query filters can be left blank, wild carded, or selected from a drop down box by clicking on the '?' next to the field.

Drive a List of Endeavor Elements

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 the following screen should be returned:

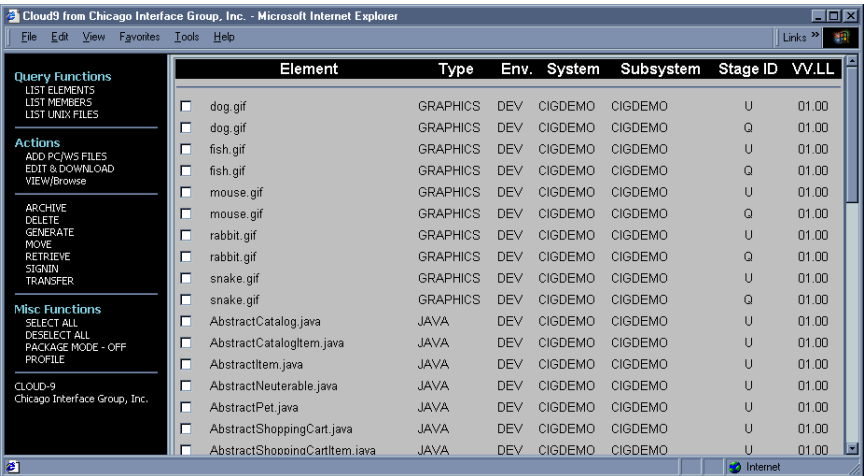


Figure 3.2 Endeavor Element List

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 Endeavor actions.

Viewing an Endeavor Element

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

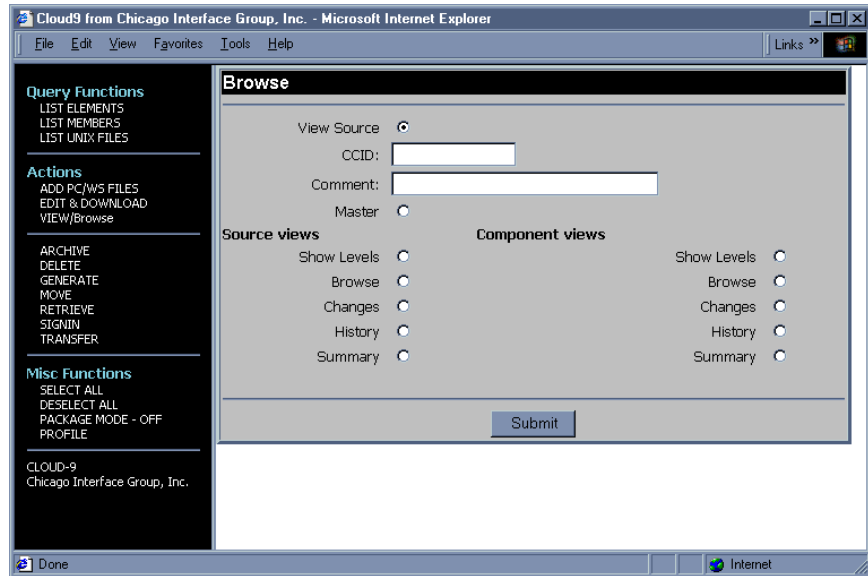


Figure 3.3 View Menu

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

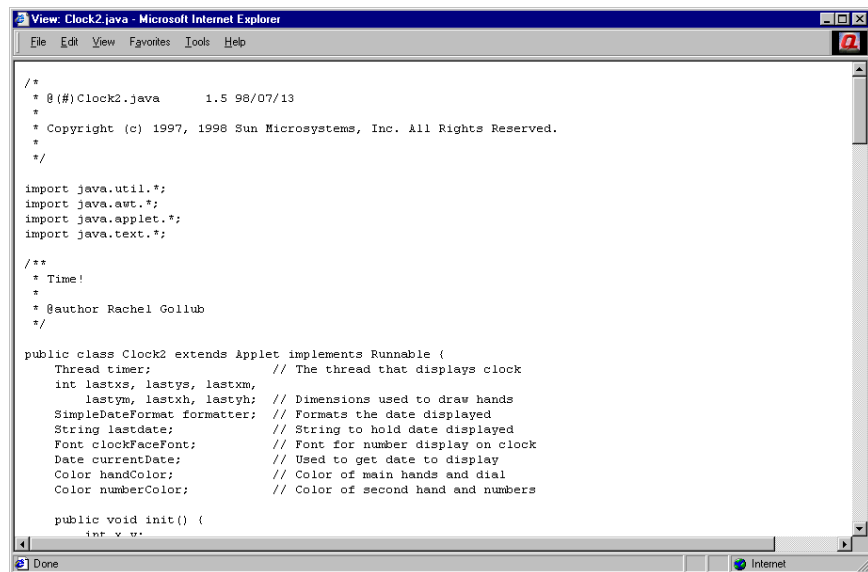


Figure 3.4 View Results

Edit an Element 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 & DOWNLOAD** from the Cloud 9 Main Menu. The next screen will display standard Endeavor editing options (Figure 3.5).

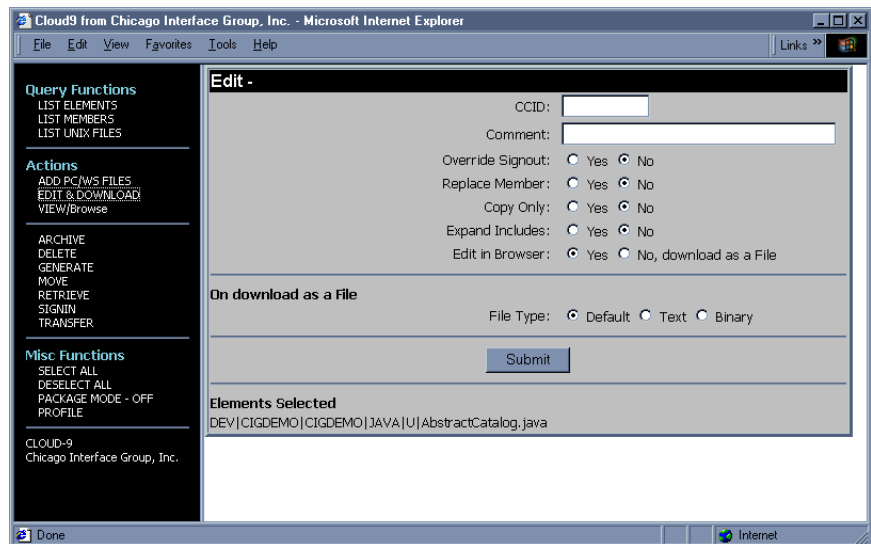


Figure 3.5 Edit Options

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 element for editing (Figure 3.6 on following page)

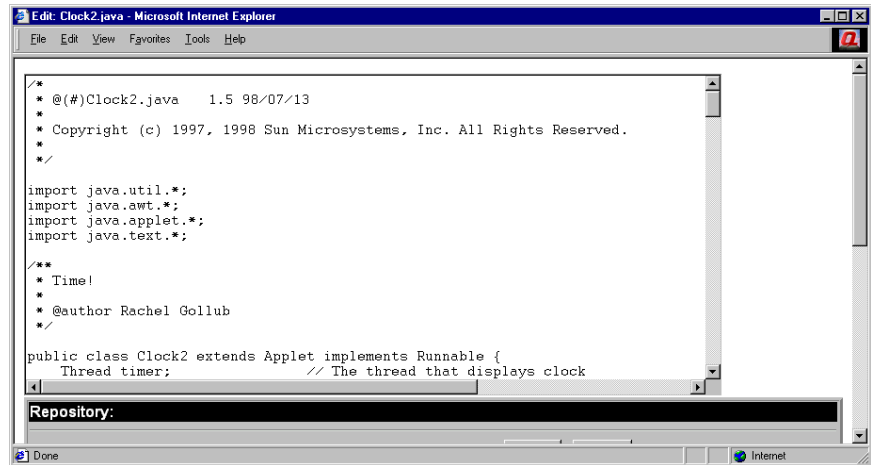


Figure 3.6 Endeavor Member Edit

Transmitting an Edited Element Back to Endeavor

When you are finished making changes to the member:

1. Scroll down to the Repository section.
2. Click on the “Add to Endeavor” radio button.
3. Update the Endeavor information at the bottom of the Browser Edit screen.(Figure 3.7)

Figure 3.7 Edit Repository

4. Click **Submit**.
5. You will receive a confirmation that the member has been successfully written to Endeavor.

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 Endeavor 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 Endeavor 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).
5. Click **Submit**.

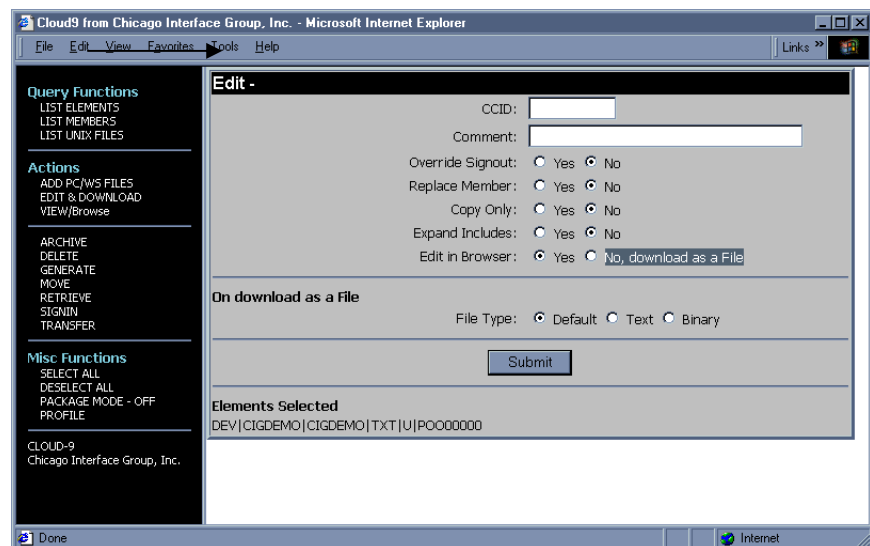


Figure 3.8 Example of File Download Selection

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.

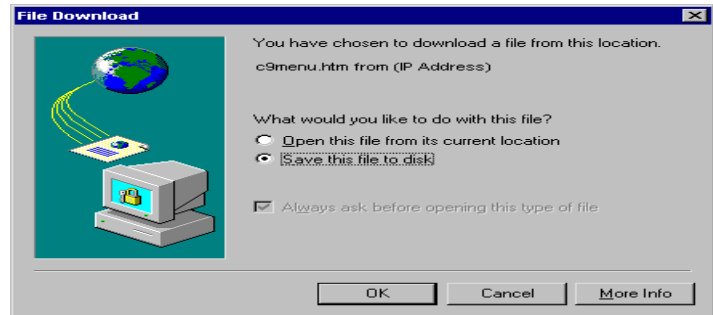


Figure 3.9 File Download Dialog Box

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.

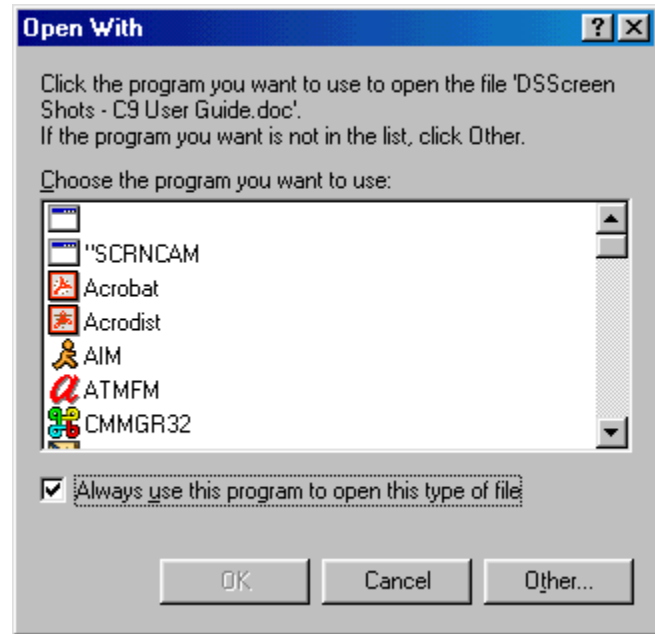


Figure 3.10 "Open With" Dialog Box

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.

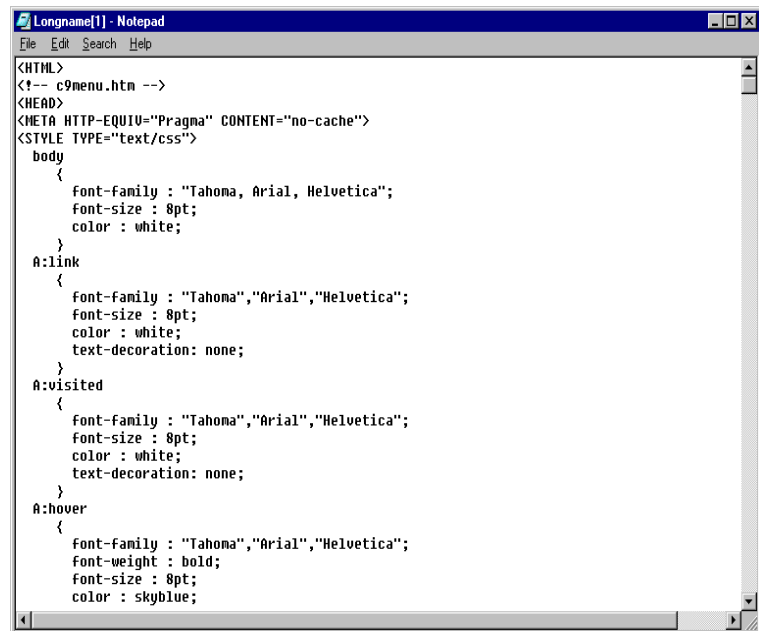
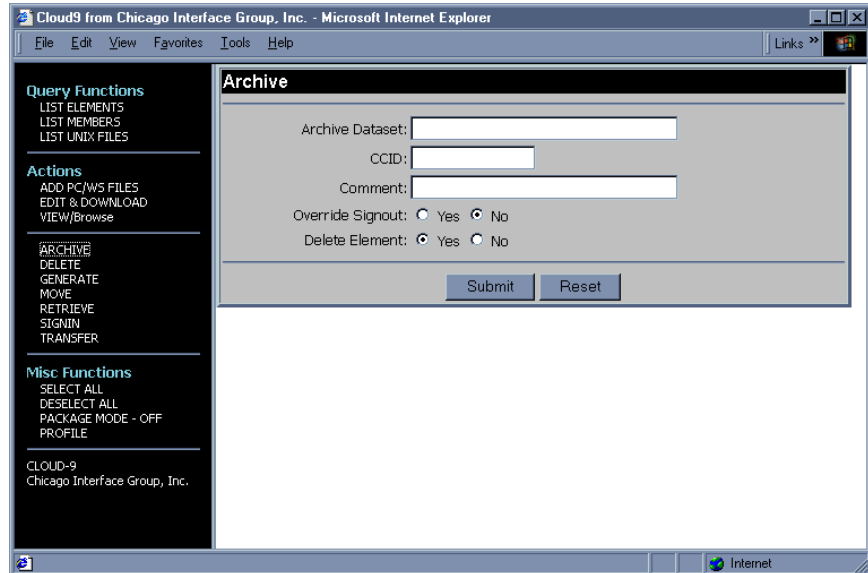


Figure 3.11 HTML File Edited in Notepad

Archive Endeavor Element

Using Cloud 9 you can Archive any Endeavor element.

1. Drive a list of Endeavor elements
2. Select the element of your choice and click ARCHIVE
3. The following screen should be returned:



The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's address bar is empty. The main content area displays the "Archive" form. On the left, there is a sidebar menu with the following sections: "Query Functions" (LIST ELEMENTS, LIST MEMBERS, LIST UNIX FILES), "Actions" (ADD PC/WS FILES, EDIT & DOWNLOAD, VIEW/Browse), and "Misc Functions" (SELECT ALL, DESELECT ALL, PACKAGE MODE - OFF, PROFILE). The "Archive" form itself has the following fields: "Archive Dataset:" (text input), "CCID:" (text input), "Comment:" (text input), "Override Signout:" (radio buttons for Yes and No, with No selected), and "Delete Element:" (radio buttons for Yes and No, with Yes selected). At the bottom of the form are "Submit" and "Reset" buttons. The browser's status bar at the bottom shows "Internet".

Figure 3.12 Archive info

Delete Endeavor Elements

Cloud 9 gives you the ability to delete elements from Endeavor.

1. Drive a list of Endeavor members (figure 3.2)
2. Select an element(s) you wish to delete.
3. Click **DELETE** on the main menu.

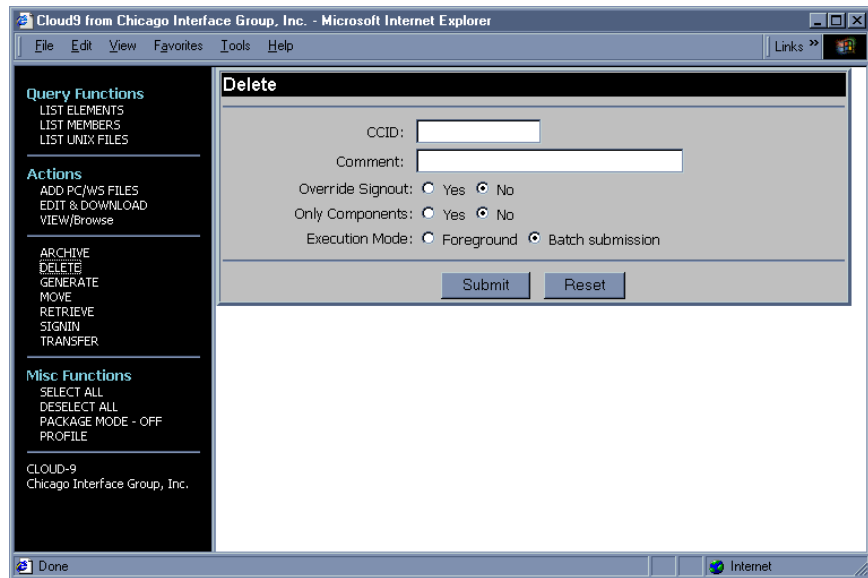


Figure 3.13 Delete options

4. From this screen you can choose your delete options, and then proceed to delete the element from Endeavor.

Generate

Cloud 9 allows you to use the Generate action to invoke an Endeavor stored procedure such as compiling code or FTP'ing an object to a target server. Generate can be run in either foreground or batch mode.

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

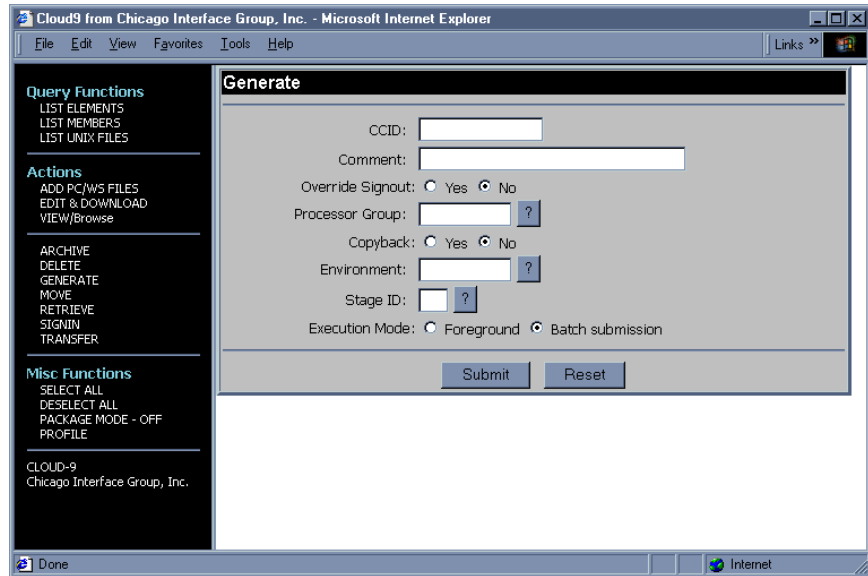


Figure 3.14 Generate Options

5. Adjust the settings to your liking.
6. Choose the Execution mode.
7. Press Submit.
8. Your return message will differ depending on which Execution mode you choose.

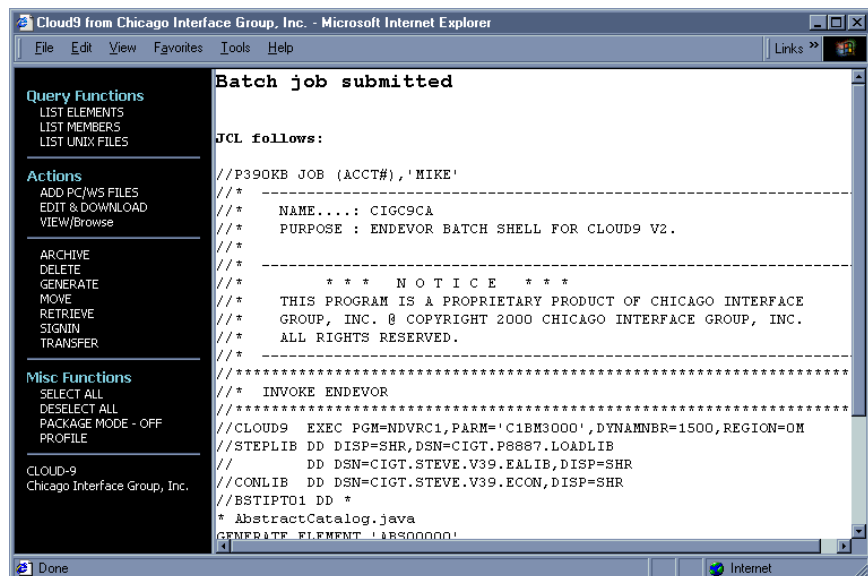


Figure 3.15 Batch return message

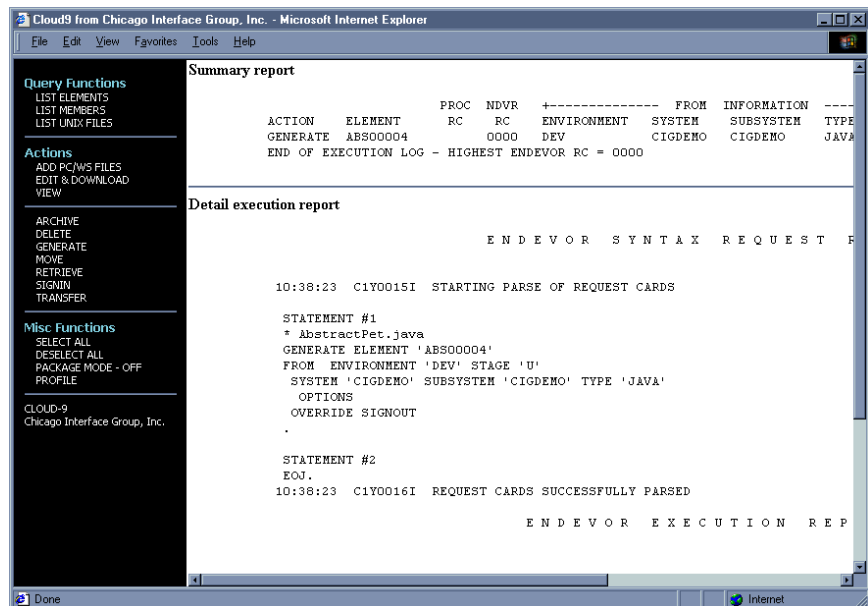


Figure 3.16 Foreground return message

Move

Cloud 9 can be used to request an Endeavor Move action. The Move action promotes the element(s) up a predefined life cycle map and optionally performs stored procedures such as object deployment or email notification. Typical usage would be to promote from Dev to QA locations. The Move action can be executed in either foreground or batch mode.

1. Drive a list of Endeavor members
2. Select an element(s) for the move process.
3. Click **MOVE** from the Cloud 9 menu.
4. The following screen should appear:

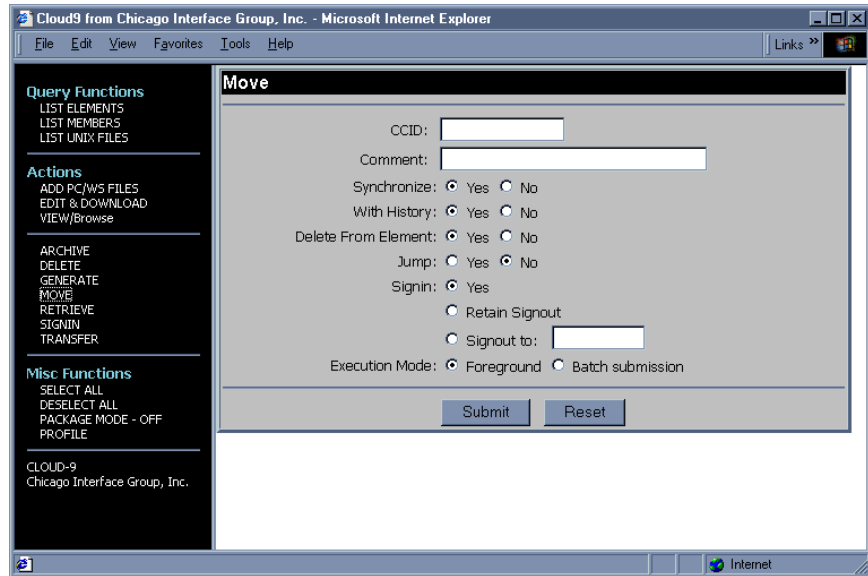


Figure 3.17 Move Options

5. Adjust the Move settings
6. Choose the Execution mode
7. Click Submit
8. Your return message will differ depending on which Execution mode you choose.

Retrieve

Cloud 9 gives you the ability to Retrieve an element(s) from Endeavor. The purpose of the Retrieve action is to export or copy an element from the Endeavor repository into an external OS/390 PDS file. This action should be used for host files only. To export an object from Endeavor to the desktop, the Cloud 9 Edit function should be used.

1. Drive a list of Endeavor elements (figure 3.2)
2. Select an element(s) to Retrieve.
3. Click **RETRIEVE** on the main menu. The following screen will be returned:

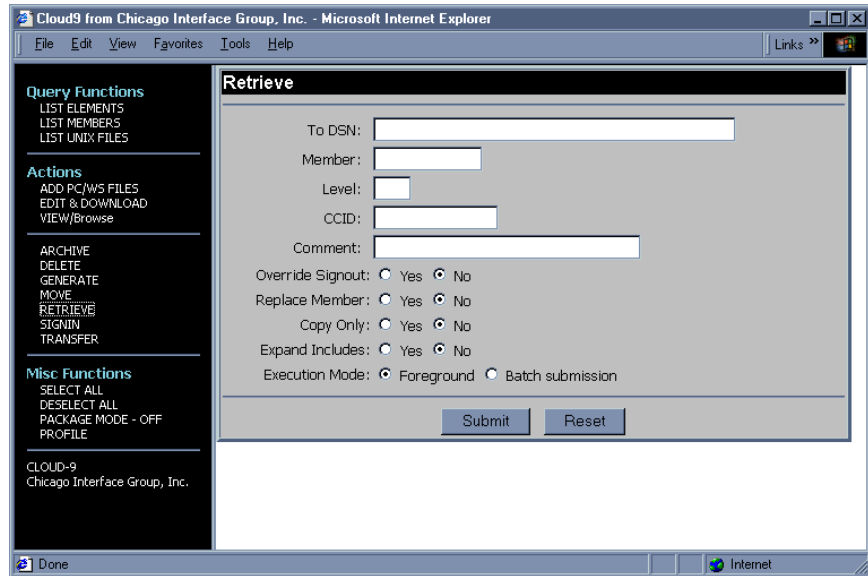


Figure 3.18 Retrieve Options

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

Sign In

To Signin/Signout an Endeavor element(s):

1. Dive a list of Endeavor members (figure 3.2)
2. Select member for the Sign In process.
3. Click **SIGNIN**
4. The following screen should be returned:

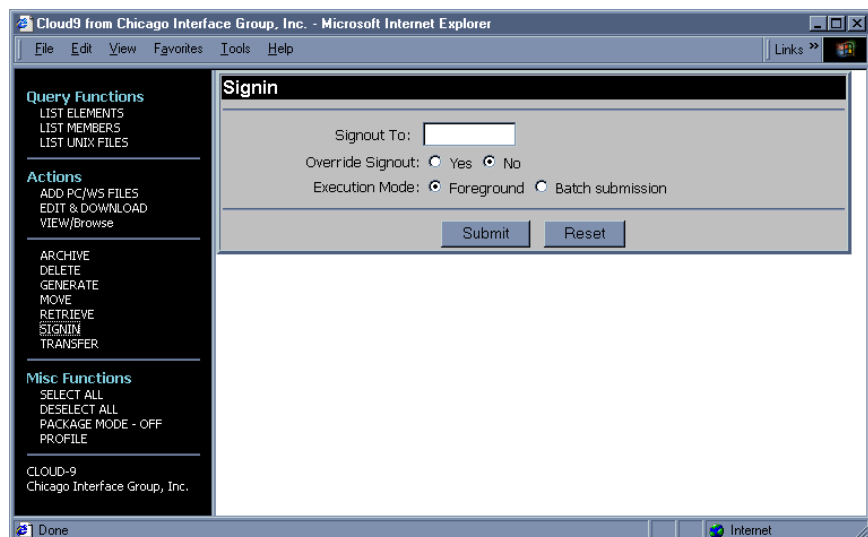


Figure 3.19 SignIn Options

5. Choose your Signin options and click Submit
6. Your return message will differ depending on which Execution mode you choose.

Transfer

Cloud 9 gives you the ability to request an Endeavor Transfer action. The purpose of the Transfer action is similar to the Move action. The difference is that the Transfer action does not use the predefined life cycle map to determine the target. The user must provide the target location.

1. Drive a list of Endeavor elements (figure 3.2)
2. Select an element(s) and click on **Transfer**. Choose your options and click submit.
3. Your return message will differ depending on which Execution mode you choose.

The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's address bar shows "Links". The main content area is titled "Transfer" and contains a "To Location" section with the following fields:

- Environment: ?
- System: ?
- Subsystem: ?
- Type: ?
- Stage ID: ?
- Element:
- New Version:
- CCID:
- Comment:

Below these fields are several radio button options:

- Transfer even if generate failed: ☐ Yes ☒ No
- Generate Element: ☒ Yes ☐ No
- Processor Group: ?
- Override Signout: ☐ Yes ☒ No
- Force Synchronization: ☐ Yes ☒ No
- Delete Element: ☒ Yes ☐ No ☐ Bypass Delete Processor
- Transfer History: ☐ Yes ☒ No
- Signin: ☒ Yes
- ☐ Retain Signin
- ☐ Signout to:
- Execution Mode: ☒ Foreground ☐ Batch submission

At the bottom of the form are two buttons: "Submit" and "Reset".

Figure 3.20 Transfer Options

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 Endeavor

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.

	Member (21)	Dataset Name
<input type="checkbox"/>	ARGRSDSF	CIGT.MIKE.REXX
<input type="checkbox"/>	ARPROF	CIGT.MIKE.REXX
<input type="checkbox"/>	C9LADDE	CIGT.MIKE.REXX
<input type="checkbox"/>	C9LBMDL	CIGT.MIKE.REXX
<input type="checkbox"/>	C9LEEDIT	CIGT.MIKE.REXX
<input type="checkbox"/>	MONIKER	CIGT.MIKE.REXX
<input type="checkbox"/>	MTEST	CIGT.MIKE.REXX
<input type="checkbox"/>	MTEST4	CIGT.MIKE.REXX
<input type="checkbox"/>	PDSNAME	CIGT.MIKE.REXX
<input type="checkbox"/>	P390K	CIGT.MIKE.REXX
<input type="checkbox"/>	P390MIKE	CIGT.MIKE.REXX
<input type="checkbox"/>	RENAME	CIGT.MIKE.REXX
<input type="checkbox"/>	RENAMER1	CIGT.MIKE.REXX
<input type="checkbox"/>	SAMPLE	CIGT.MIKE.REXX
<input type="checkbox"/>	SDSFMENU	CIGT.MIKE.REXX
<input type="checkbox"/>	SHORTTAR	CIGT.MIKE.REXX

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. Select **VIEW/Browse** from the Cloud 9 Main Menu to perform the view function. The View menu will appear.
2. Click on the box next to the member(s) you wish to view.

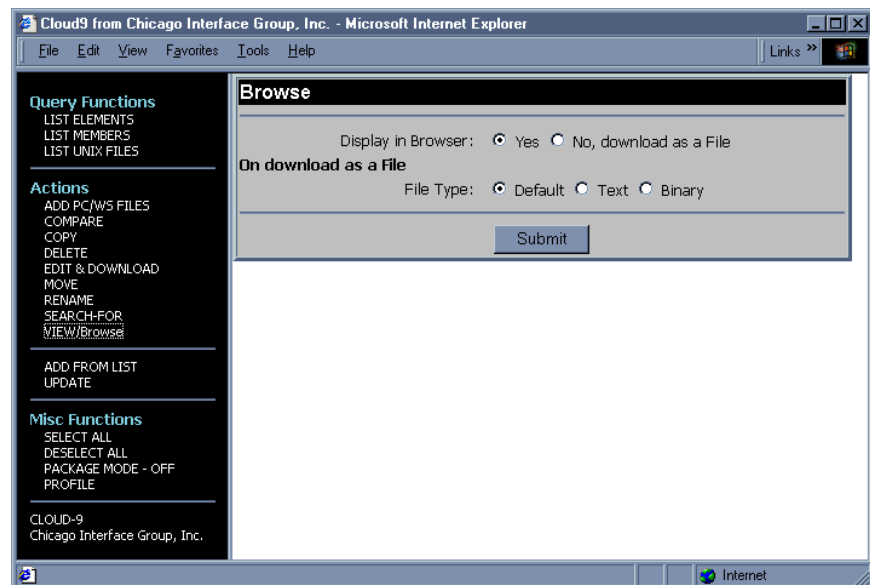


Figure 4.3 View options

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 & DOWNLOAD** 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:

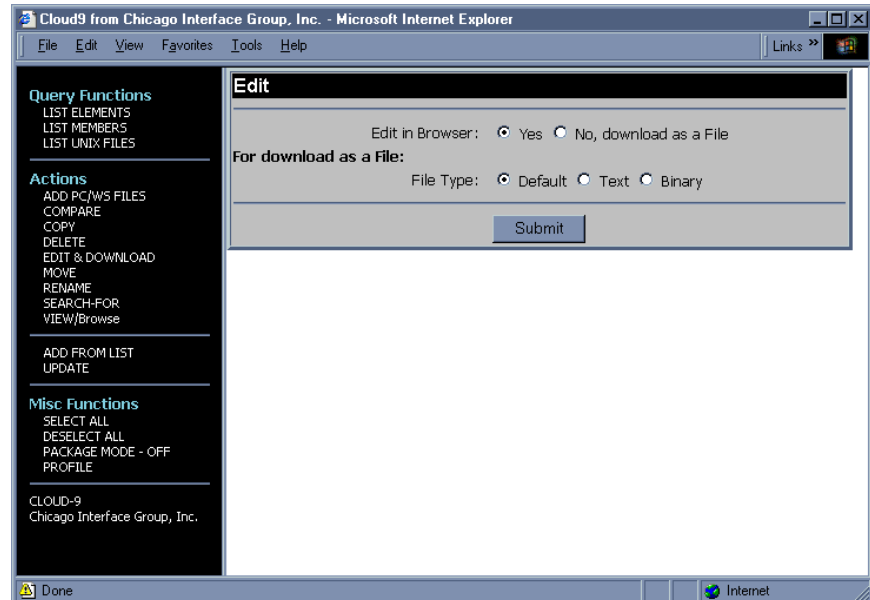


Figure 4.4 Edit Options

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.

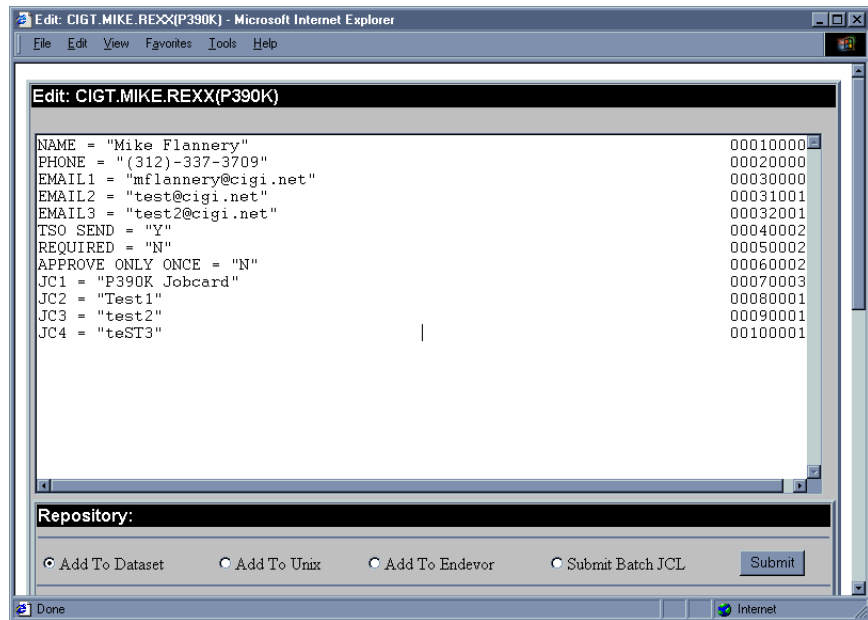


Figure 4.5 Add back options

8. After editing the member can be added back to PDS, Endevor, 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:

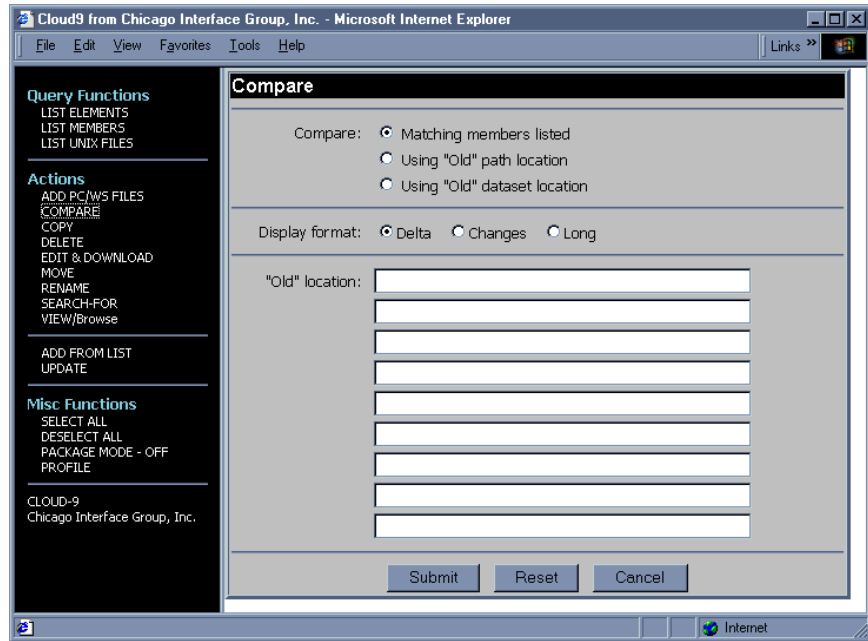


Figure 4.6 Compare Options

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

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

“Using alternate directory” is used for comparing a PDS member against the same file in a Unix directory.

“Using alternate dataset” is used for comparing a PDS member against the same PDS 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:

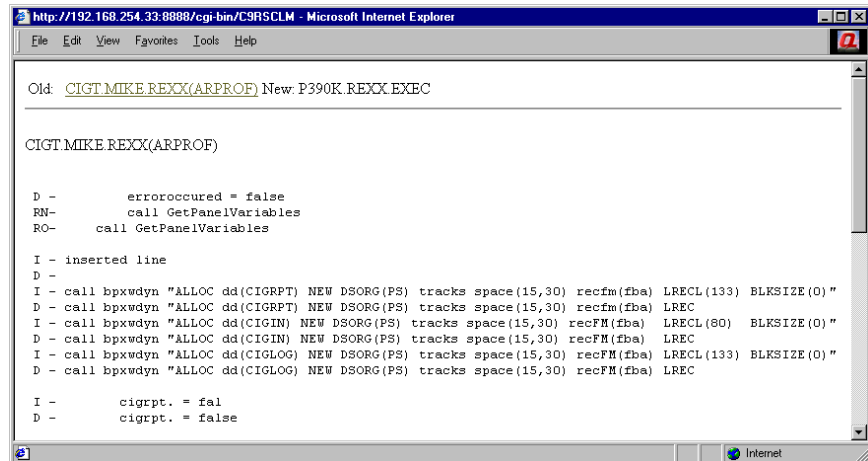


Figure 4.7 Compare results

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:

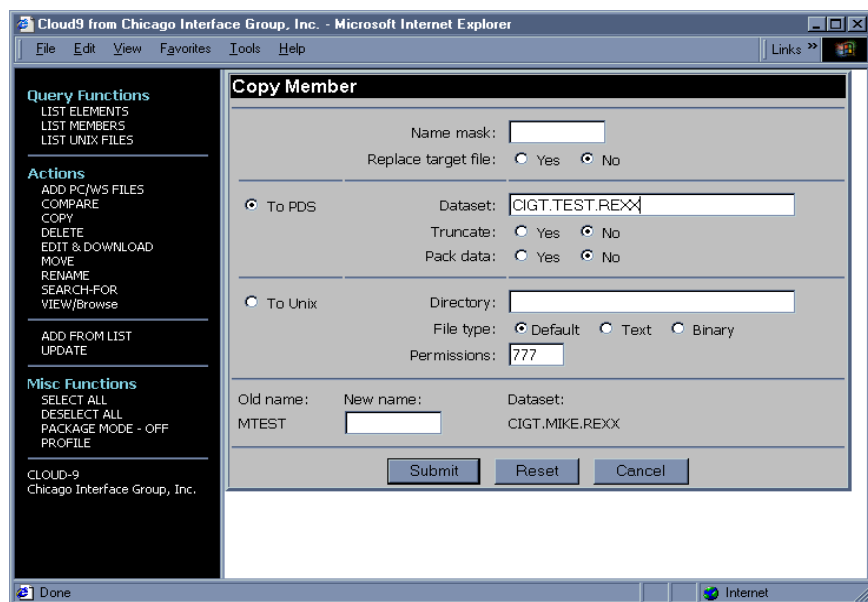


Figure 4.8 Copy Options

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 'IBM1' to 'IBM2'.

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:

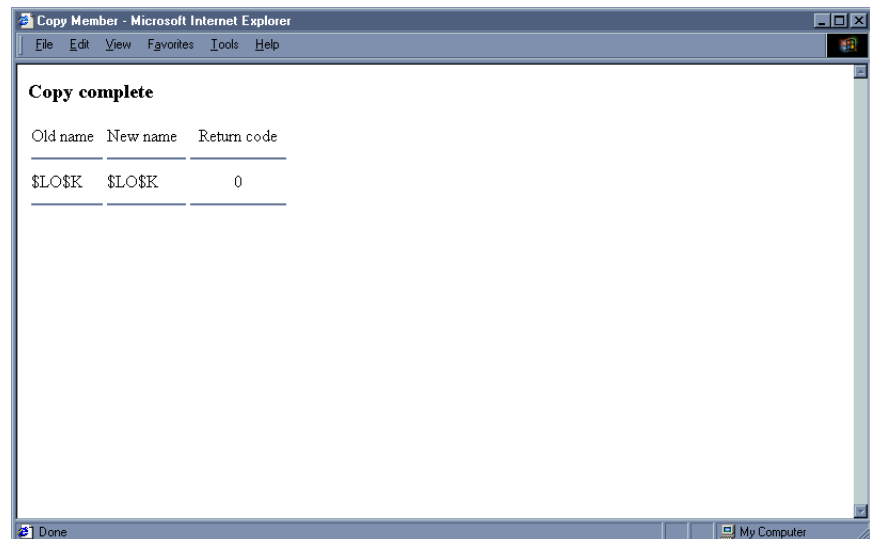


Figure 4.9 Copy results

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:

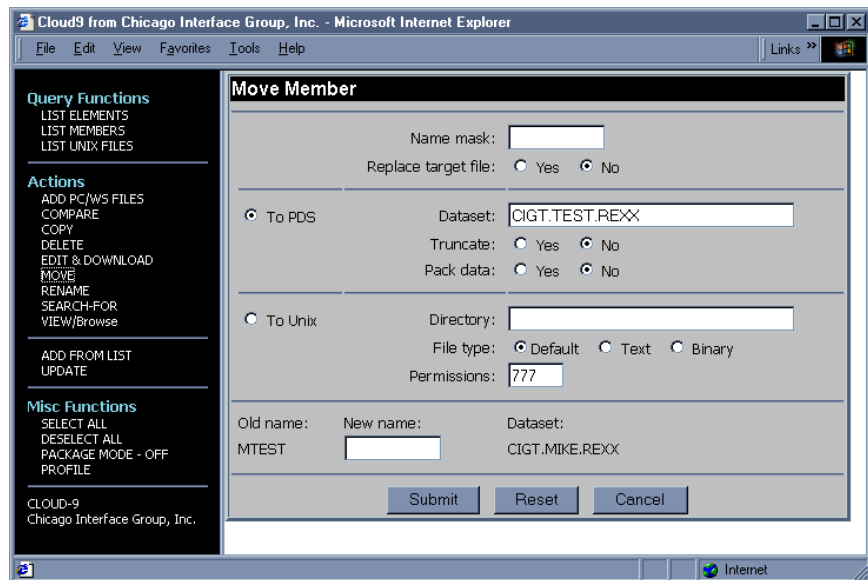


Figure 4.10 Move options

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:

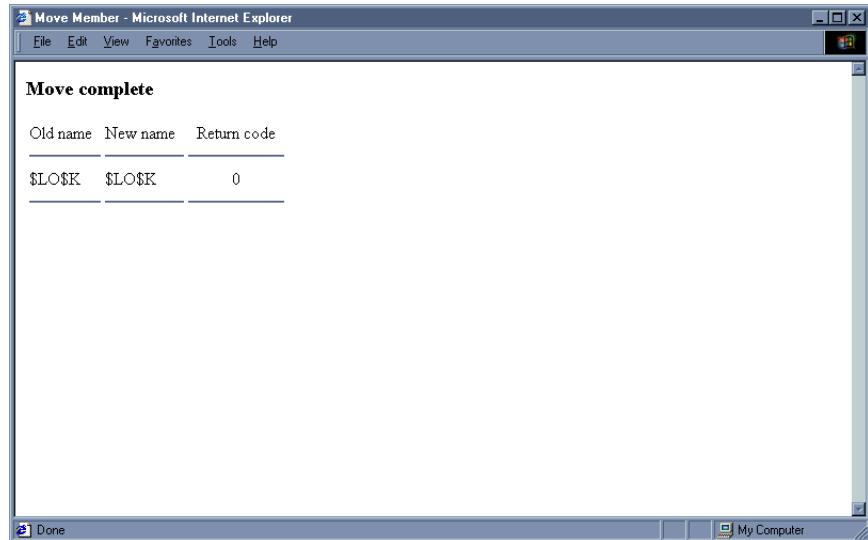


Figure 4.11 Move results

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

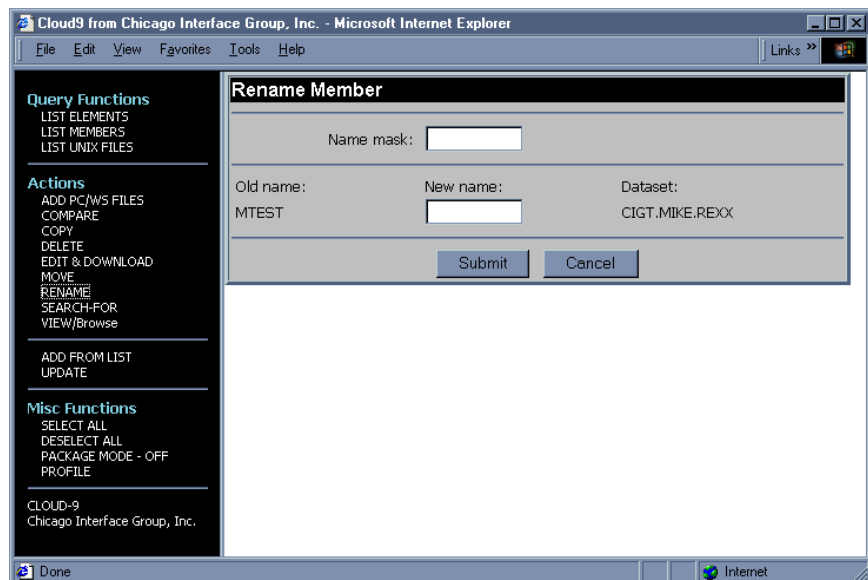


Figure 4.12 Rename Options

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:

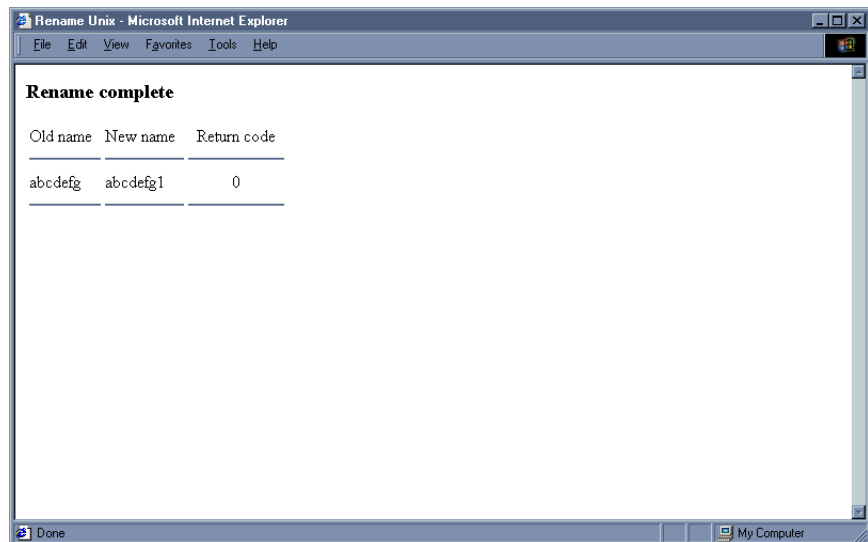


Figure 4.13 Rename results

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:

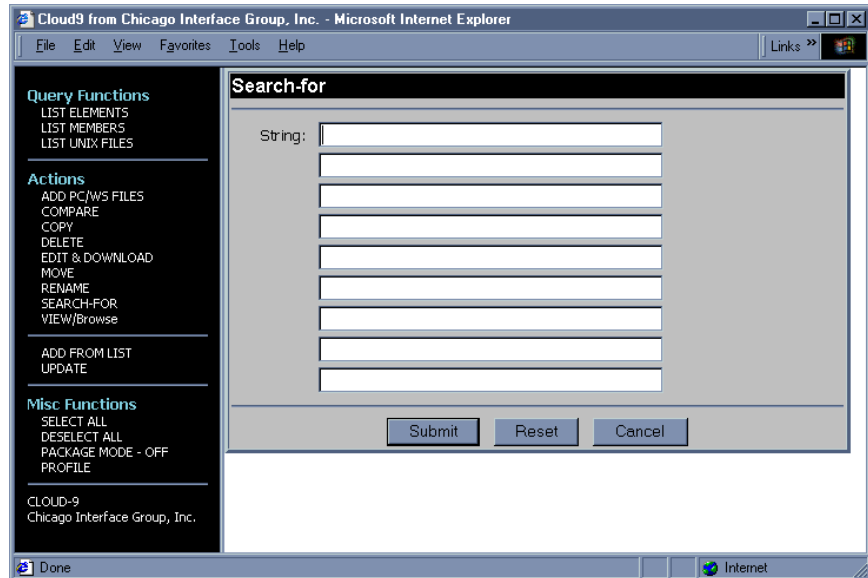


Figure 4.14 Search-For options

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:

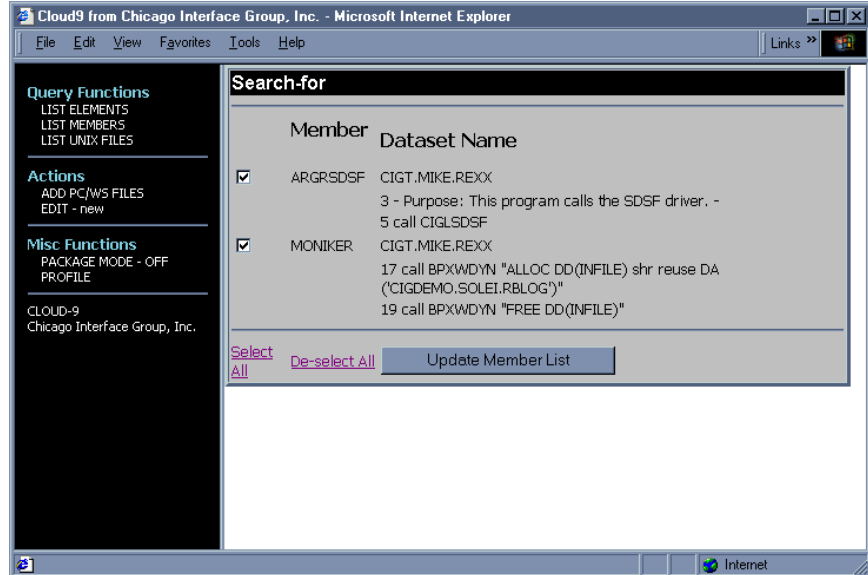


Figure 4.15 Search-For results

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

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.

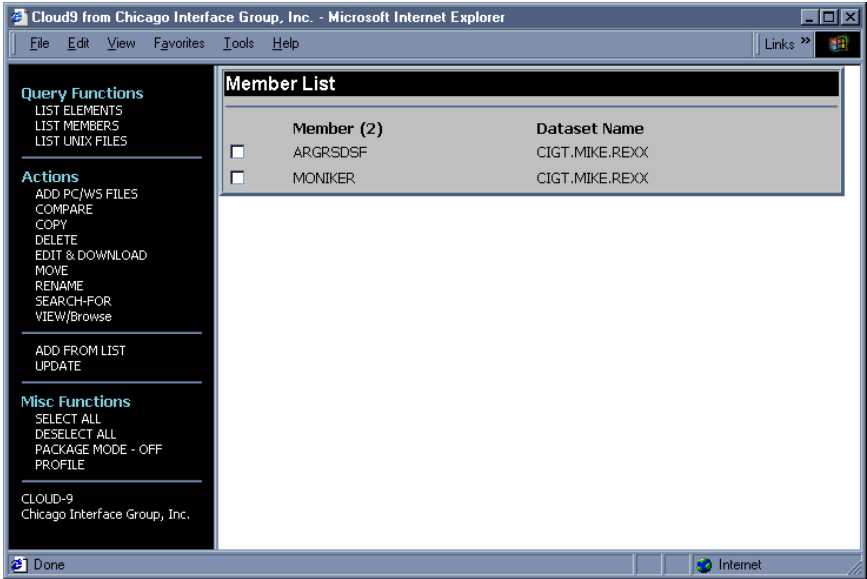


Figure 4.16 Updated member list

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 Endeavor

Accessing Unix files

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

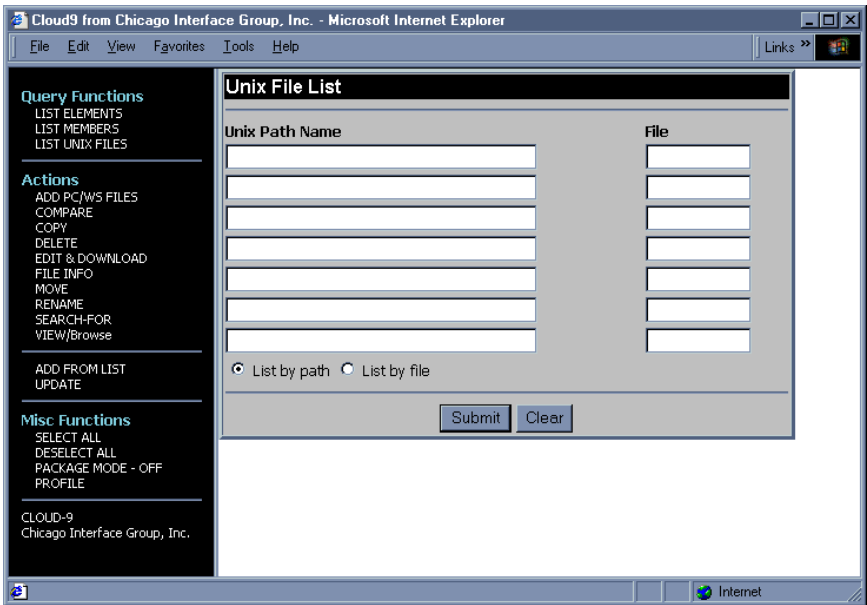


Figure 5.1 Unix Query

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:

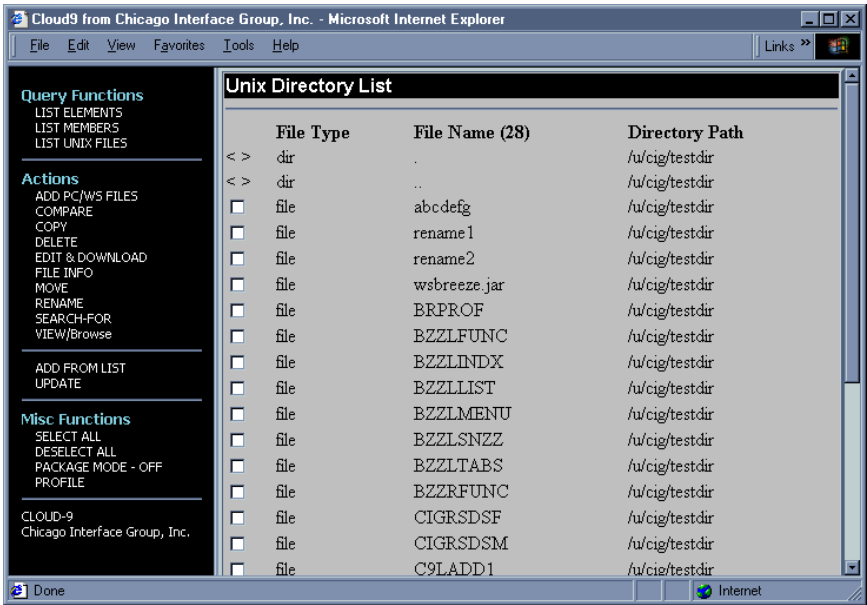


Figure 5.2 Unix file list

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/Browse** 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.

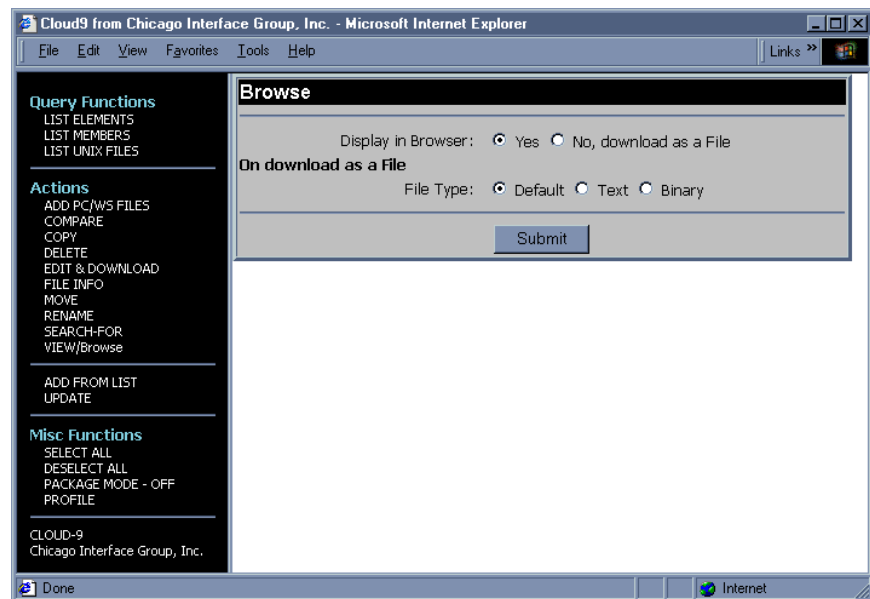


Figure 5.3 View options

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:

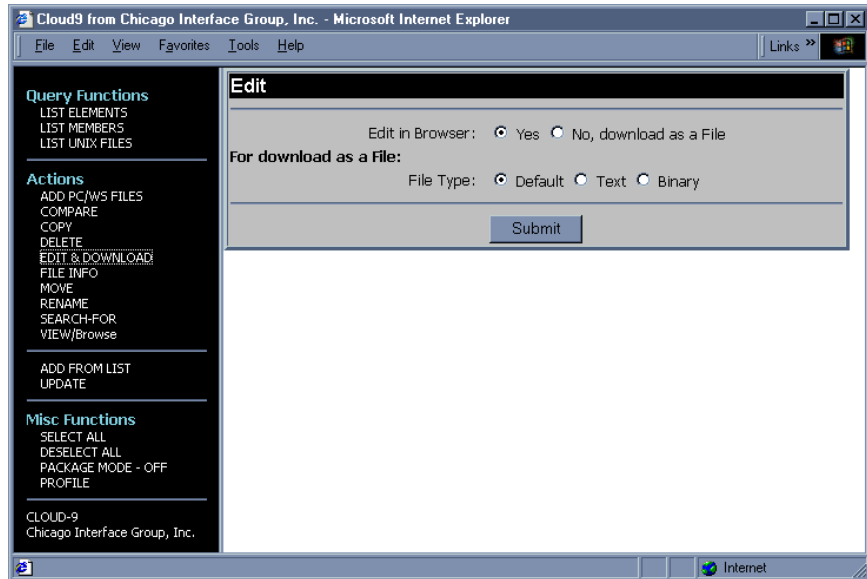


Figure 5.4 Edit options

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.

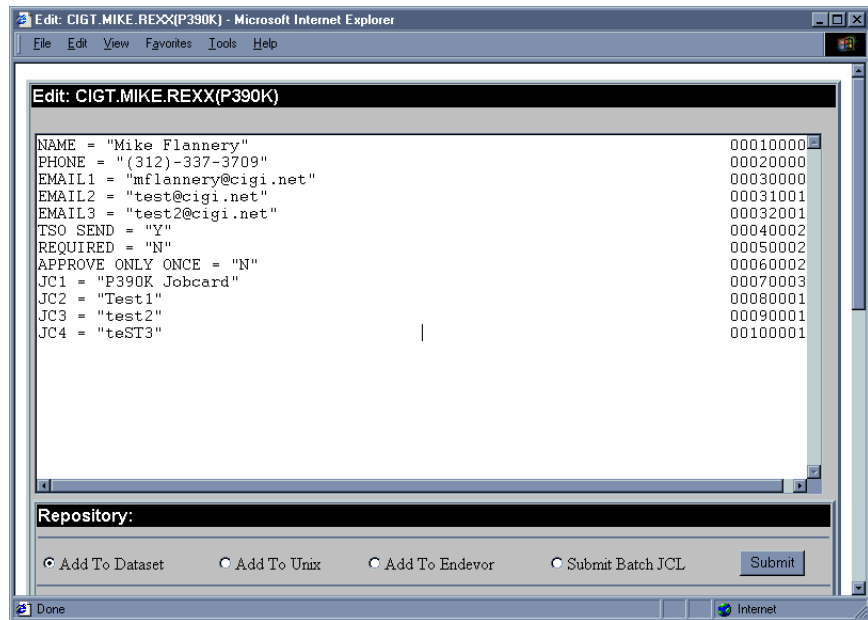


Figure 5.5 Add back options

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:

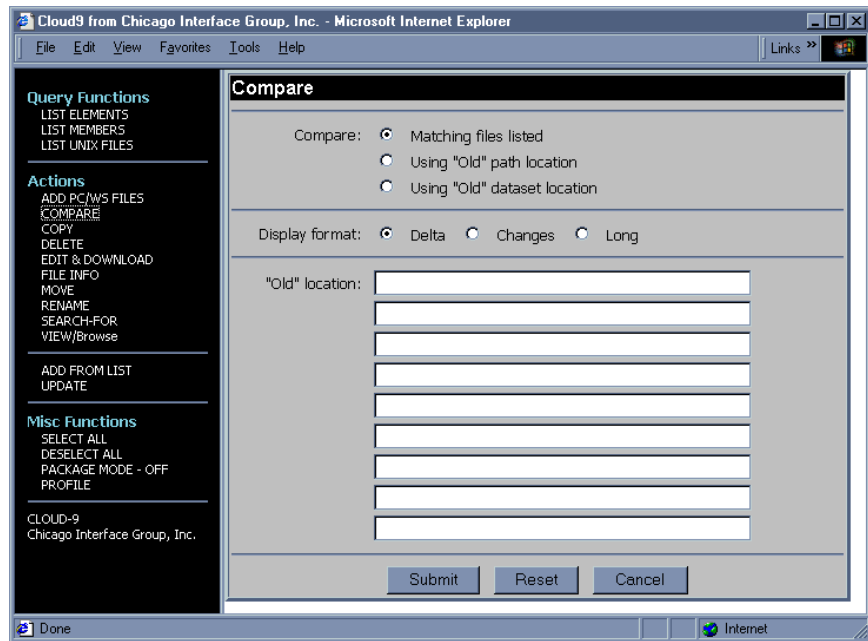


Figure 5.6 Compare options

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:

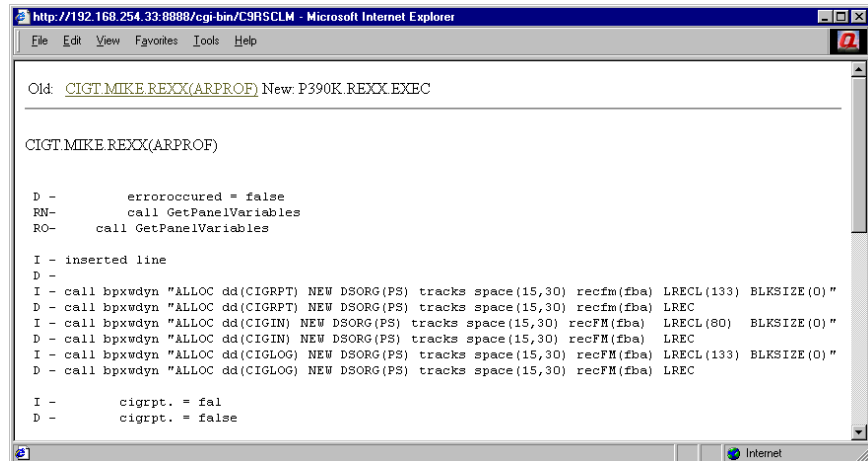


Figure 5.7 Compare Results

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:

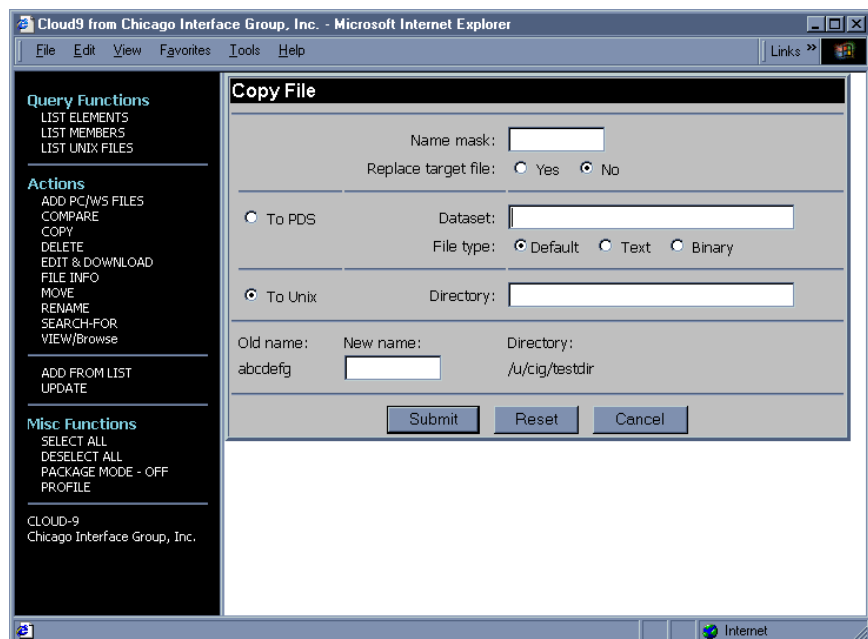


Figure 5.8 Copy options

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 'IBM1' to 'IBM2'.

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:

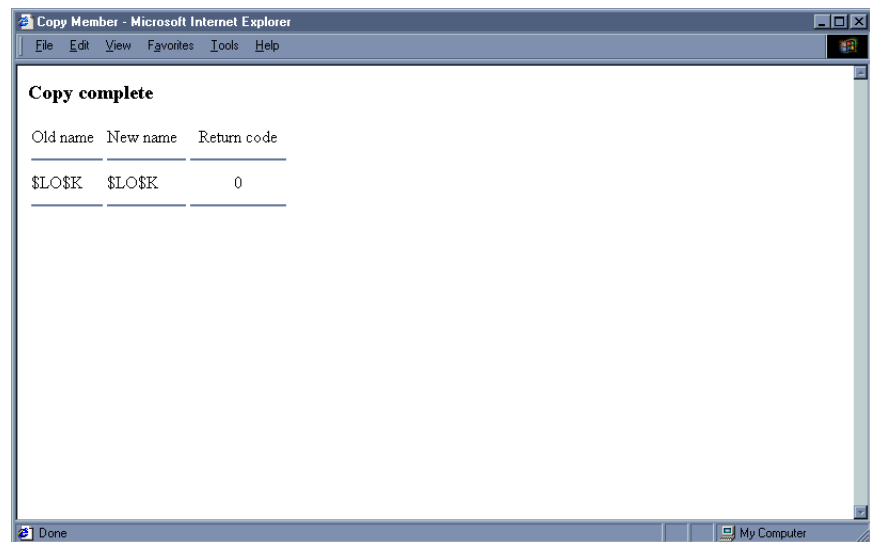


Figure 5.9 Copy results

Moving Unix files

Using Cloud 9, you can move a Unix file(s) 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:

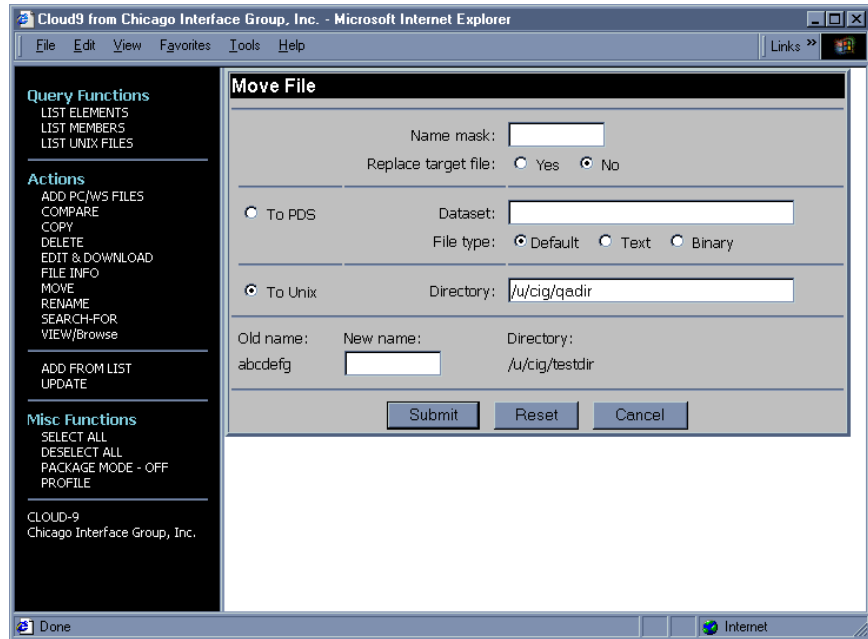


Figure 5.10 Move options

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:

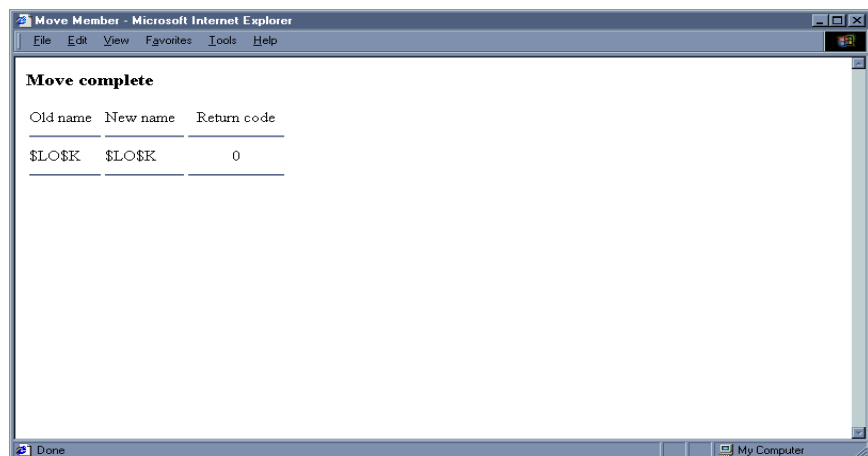


Figure 5.11 Move results

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:

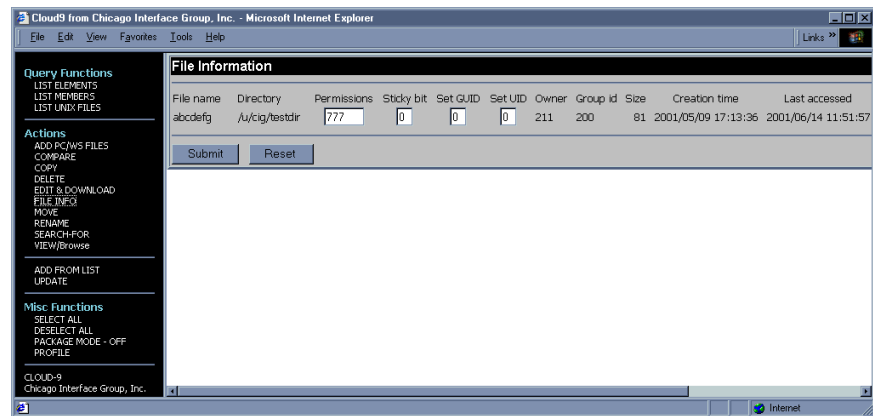


Figure 5.12 File info options

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

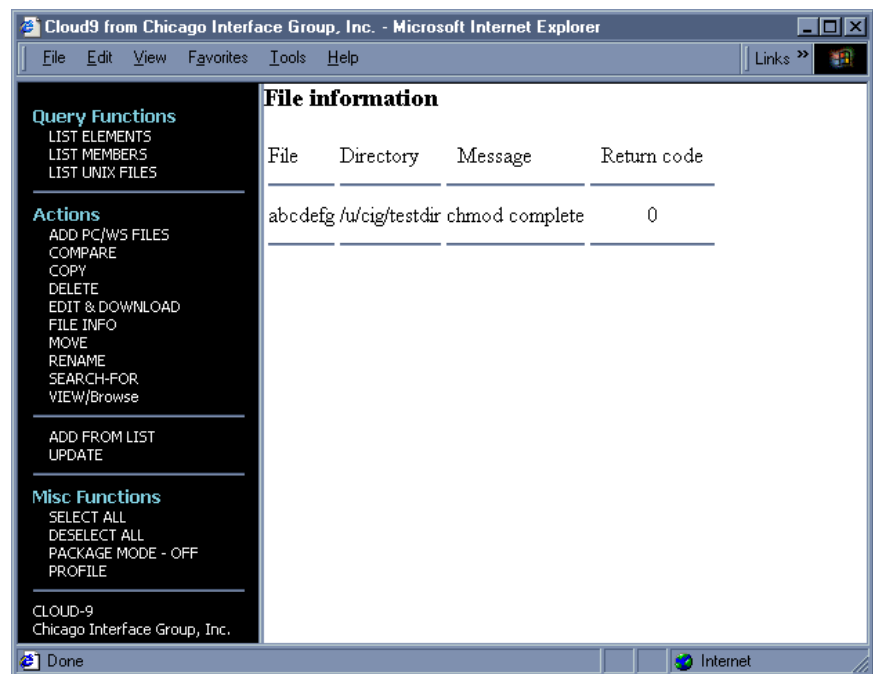


Figure 5.13 File info results

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

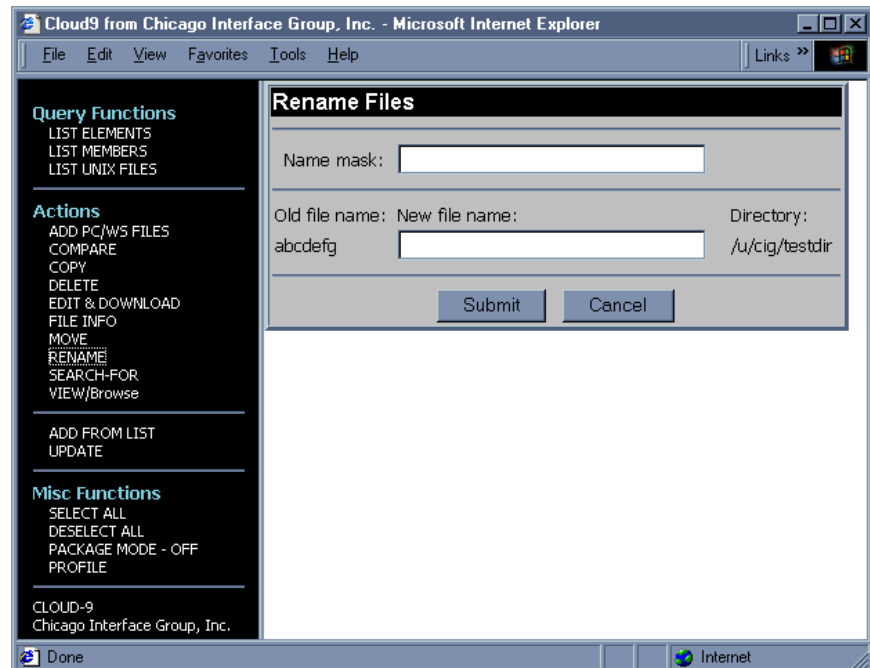


Figure 5.14 Rename options

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:

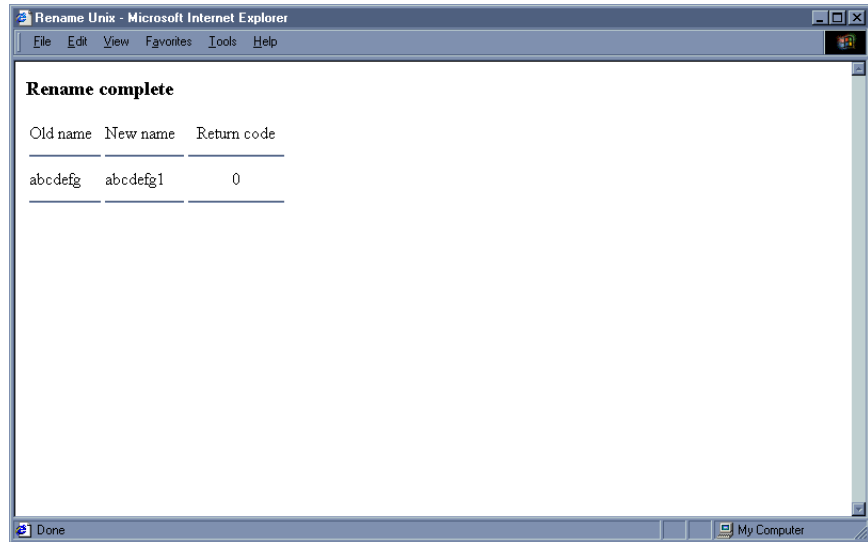


Figure 5.15 Rename results

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:

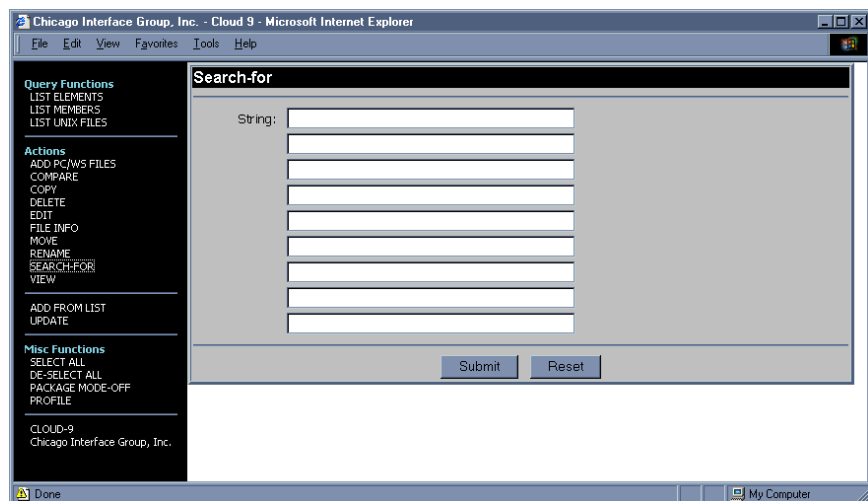


Figure 5.16 Search-For options

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:

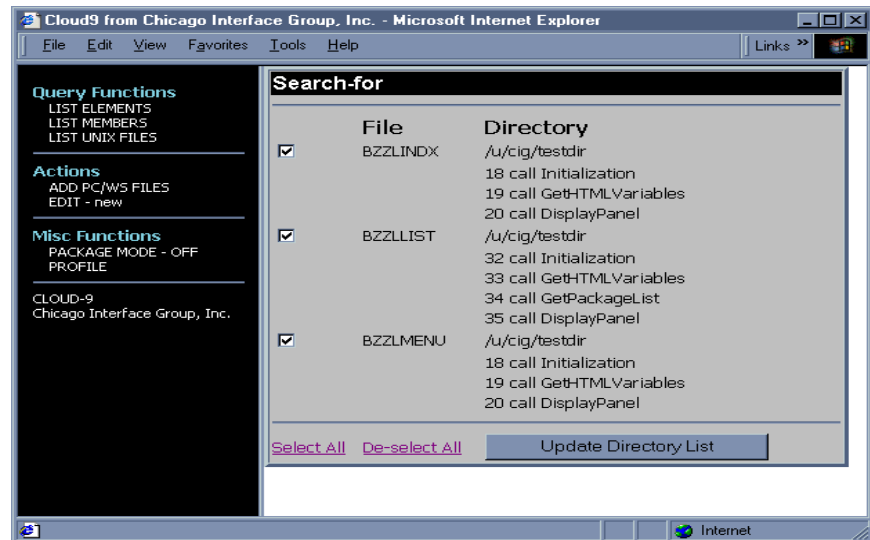


Figure 5.17 Search-For results

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.

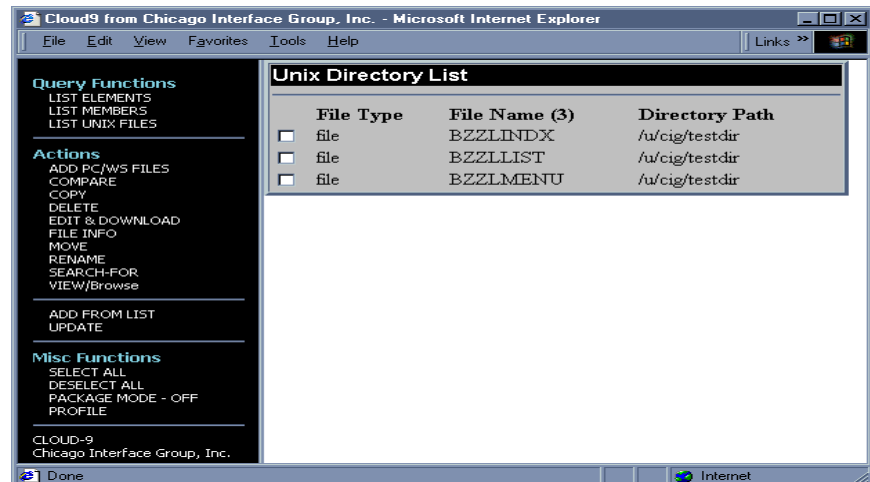


Figure 5.18 Updated Directory list

Chapter 6: Usage Scenarios

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

- Add z/OS, Unix and Work Station files into CA-Endevor
- Perform advanced query functions (FastList users only)
- Use package processing to migrate changes into production

Usage #2 Adding to Endeavor from a PC/WS file

If you want to add a workstation file to Endeavor, follow these steps:

1. Select **Add PC/WS File** menu option.
2. Type in the appropriate details in the fields of the Add panel (Figure 6.2). You will need to press the Browse button to fill in the PC/WS File.

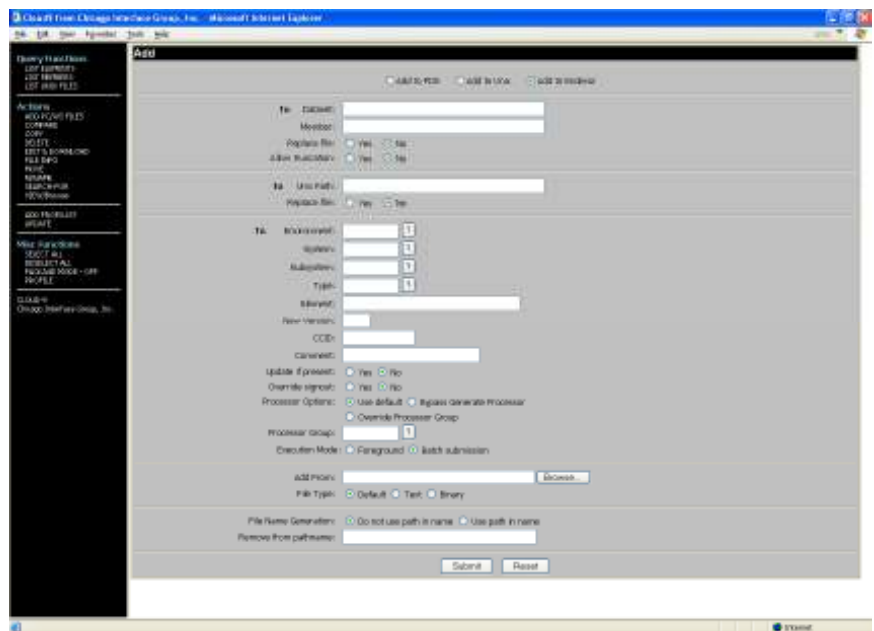


Figure 6.2 Add a PC File

3. Press the **Submit** button. The add will take place, including long name translation.

Usage #3 Adding to Endevor from a List of Unix Files

If you want to add a list of Unix Files into Endevor, follow these steps:

1. Select **LIST UNIX FILES** option and create the List.
2. Select one or more (or all!) of the files by clicking on the box next to the Unix File name or use the **SELECT ALL** menu option. The following is an example of selected Unix files.

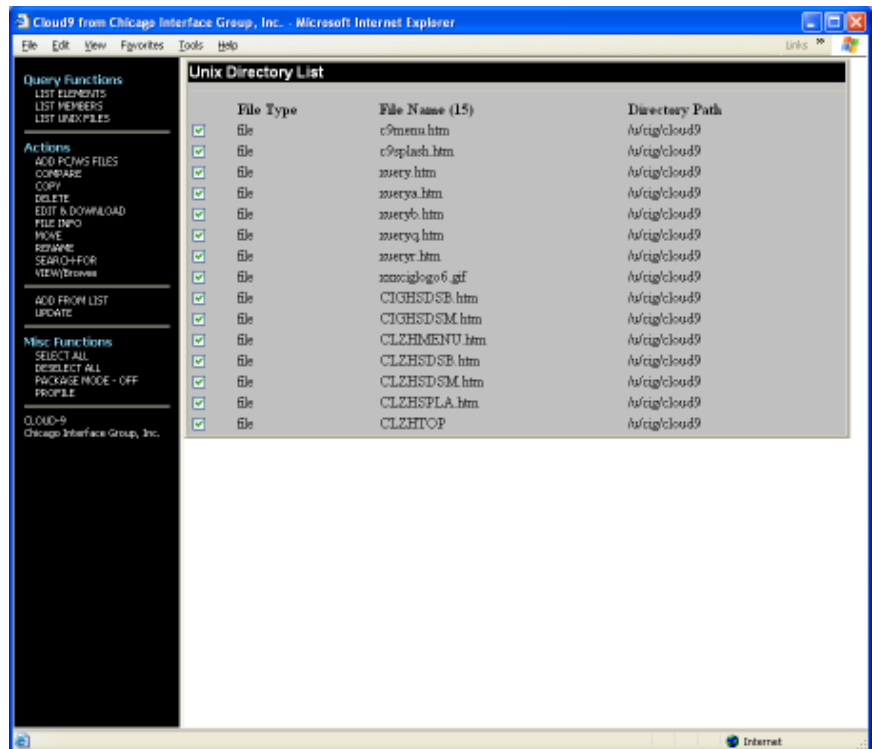


Figure 6.3 Example of selected Unix Files

3. After file selection has been done, select the **ADD FROM LIST** menu option.
4. Type in the appropriate details in the fields of the Add panel (Figure 6.4).

Usage #4 Impact Analysis (FastList Users Only)

In this scenario, you can identify the elements affected by a change to macro CUSTREC. Once the impacted element is displayed, all actions shown on the menu are available for selection.

Access the Advance Query Panel

1. Click on **LIST ELEMENTS** on the Cloud 9 Main Menu. The next screen will display the Basic Search and the Advanced Search screens (Figure 6.5).

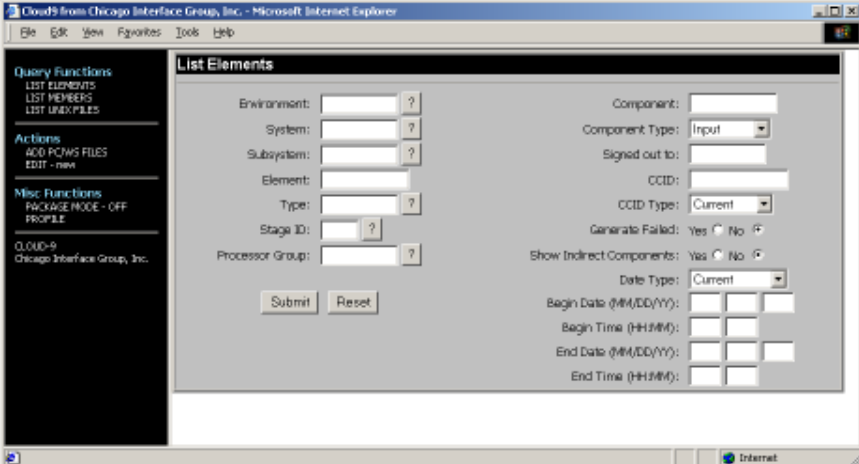
The screenshot shows a web browser window titled "Cloud9 from Chicago Interface Group, Inc. - Microsoft Internet Explorer". The browser's address bar and menu bar (File, Edit, View, Favorites, Tools, Help) are visible. On the left side of the browser window is a dark sidebar with a "Query Functions" menu containing "LIST ELEMENTS", "LIST MEMBERS", and "LIST UNEXFILES". Below this is an "Actions" section with "ADD PC/M5 FILES" and "EDIT - new". Further down is a "Misc Functions" section with "PACKAGE MODE - OFF" and "PROFILE". At the bottom of the sidebar, it says "CLOUD-9" and "Chicago Interface Group, Inc.". The main content area of the browser is titled "List Elements" and contains a search form. The form is organized into two columns. The left column includes fields for "Environment:", "System:", "Subsystem:", "Element:", "Type:", "Stage ID:", and "Processor Group:", each followed by a text input box and a question mark icon. Below these fields are "Submit" and "Reset" buttons. The right column includes fields for "Component:", "Component Type:" (a dropdown menu showing "Input"), "Signed out to:", "CCID:", "CCID Type:" (a dropdown menu showing "Current"), "Generate Failed:" (with "Yes" and "No" radio buttons), "Show Indirect Components:" (with "Yes" and "No" radio buttons), "Date Type:" (a dropdown menu showing "Current"), and date/time pickers for "Begin Date (MM/DD/YY)", "Begin Time (HH:MM)", "End Date (MM/DD/YY)", and "End Time (HH:MM)".

Figure 6.5 Basic Search and Advanced Search Screen

2. Enter component name of CUSTREC and then click on **Submit**.
3. Select the element you want to move (Figure 6.6 on the following page). In this example, the user clicked on the "SELECT ALL" menu option.

Element (33)	Type	Env.	System	Subsystem	Stage ID	VV.LL	Owner
<input type="checkbox"/> cat.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> dog.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> fish.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> mouse.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> rabbit.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> snake.gif	GRAPHICS	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractCatalog.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractCatalogItem.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractItem.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractNeuterable.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractPet.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractShoppingCart.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> AbstractShoppingCartItem.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> Cat.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> Catalog.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> CatalogItem.java	JAVA	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C
<input type="checkbox"/> CBOOK1	COBOL	DEV	CIGDEMO	CIGDEMO	U	01.00	P350 C

Figure 6.6 List of Impacted Elements

Menu Navigation for Element Lists

Note: The menu on the left hand side of the screen has changed since requesting the element list. This menu will always reflect the actions available to object list type – in this case Endeavor elements.

Usage #5: Identifying Changes Based on a Date Range (FastList User Only)

In this scenario, you can identify all elements that have changed during the range June 1 through August 1. In this example you would want to retrieve those elements into a partitioned dataset to be shipped for release distribution.

Drive a List of Elements

1. Click on **LIST ELEMENTS** on the Cloud 9 Main Menu. The next screen will display the Basic Search and Advanced Search panels. For this usage scenario, you will utilize the Advanced Search panel (Figure 6.7).

Note: Even though you will enter your date range on the Advanced Search panel, the Submit button is located on the Basic Search panel.

Advanced Search - Impact Analysis

Component:

Component Type:

Signed out to:

CCID:

CCID Type:

Generate Failed: Yes ☐ No ☒

Show Indirect Components: Yes ☐ No ☒

Date Type:

Begin Date (MM/DD/YY): / /

Begin Time (HH:MM): :

End Date (MM/DD/YY): / /

End Time (HH:MM): :

Figure 6.7 Advanced Search Panel

2. Specify the Begin Date (and Time, if necessary).

3. Specify the End Date (and Time, if necessary).
4. Click **Submit**. The next screen will display your query results (Figure 6.8).

Element	Type	Environment	System	SubSystem	Stage ID	Version	Owner ID
<input type="checkbox"/> DATEPGM1	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM2	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM3	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM4	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM5	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM6	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM7	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM8	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM9	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N

Figure 6.8 Date Range Query Results

Retrieve Listed Programs

To retrieve the listed elements into a dataset, you:

1. Click in the box next to each element, or use the Select All function (Figure 6.9).

Element	Type	Env.	System	Subsystem	Stage ID	VV.LL	Owner
<input checked="" type="checkbox"/> DATEPGM1	ASM	TEST	SYSB	SUBA	-	01.03	CIG03ABG
<input checked="" type="checkbox"/> DATEPGM2	ASM	TEST	SYSA	SUBA	-	01.00	CIG01N
<input checked="" type="checkbox"/> DATEPGM3	ASM	TEST	SYSB	SUBB	-	01.00	CIG01N
<input checked="" type="checkbox"/> DATEPGM4	ASM	TEST	SYSA	SUBB	-	01.01	CIG01N
<input checked="" type="checkbox"/> DATEPGM5	ASM	TEST	SYSA	SUBA	-	01.03	CIG01N
<input checked="" type="checkbox"/> DATEPGM6	ASM	TEST	SYSA	SUBB	-	01.00	CIG01N

Figure 6.9 Select All Elements

2. Select **RETRIEVE** from the Cloud 9 Main Menu. The next screen will display your retrieve options (Figure 6.10 on following page).

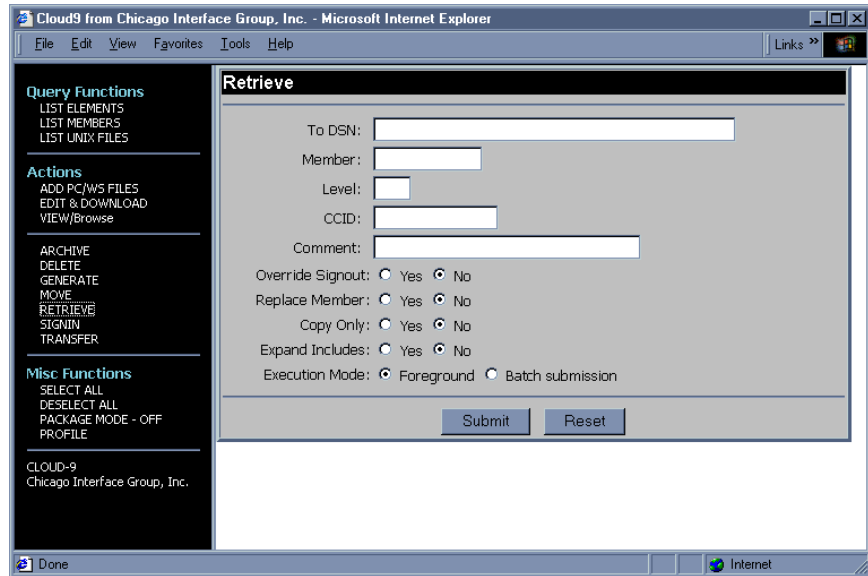


Figure 6.10 Retrieve Options

3. Click **Submit**. The next screen will confirm that your job has been submitted (Figure 6.11).

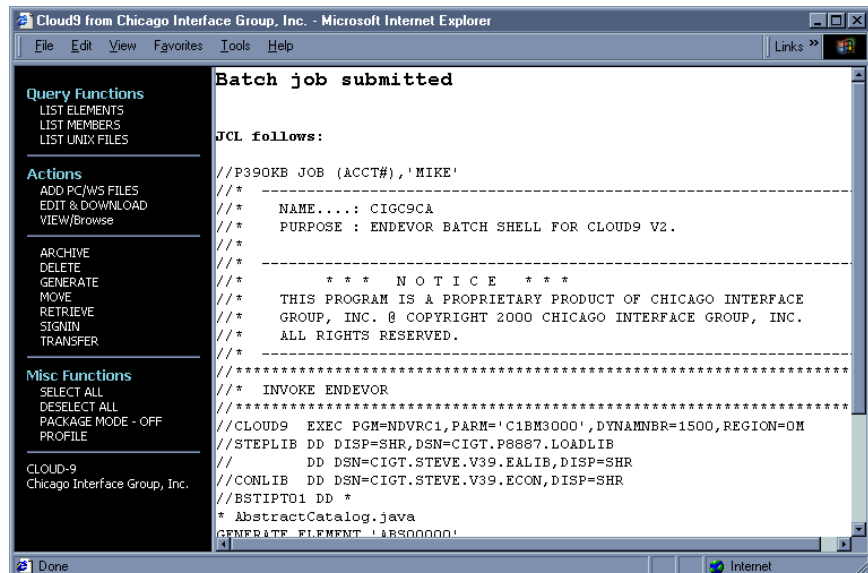


Figure 6.11 Batch Job Confirmation

Usage #6: Release Management Using CCID's (FastList Users Only)

In this scenario, code was edited in several programs earlier in the year and the CCID 'cig01' 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.

Access the FILTERS Panel

1. Click on **LIST ELEMENTS** on the Cloud 9 Main Menu. The next screen will display the Basic Search and Advanced Search panels. For this usage scenario, you will utilize the Advanced Search panel (Figure 6.12).

Note: Even though you will enter your filter criteria on the Advanced Search panel, the Submit button is located on the Basic Search panel.

Advanced Search

Component:

Component Type:

Signed out to:

CCID:

CCID Type:

Generate Failed: Yes ☐ No ☒

Show Indirect Components: Yes ☐ No ☒

Date Type:

Begin Date (MM/DD/YY): / /

Begin Time (HH:MM): :

End Date (MM/DD/YY): / /

End Time (HH:MM): :

Figure 6.12 CA-Endevor Filter Settings

2. Fill in the required CCID and a select the CCID Type of DELTA.
3. Click **Submit**. The next screen (Figure 6.13) will display a list of programs that meet your CCID search criteria of CCID type = DELTA and CCID value = CIG01.

Element	Type	Environment	System	SubSystem	Stage ID	Version	Owner ID
<input type="checkbox"/> DATEPGM1	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM2	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM3	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM4	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM5	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM6	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM7	ASM	TEST	SYSB	SUBB	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM8	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N
<input type="checkbox"/> DATEPGM9	ASM	TEST	SYSA	SUBA	1	01.03	CIG01N

Figure 6.13 CCID Query Results

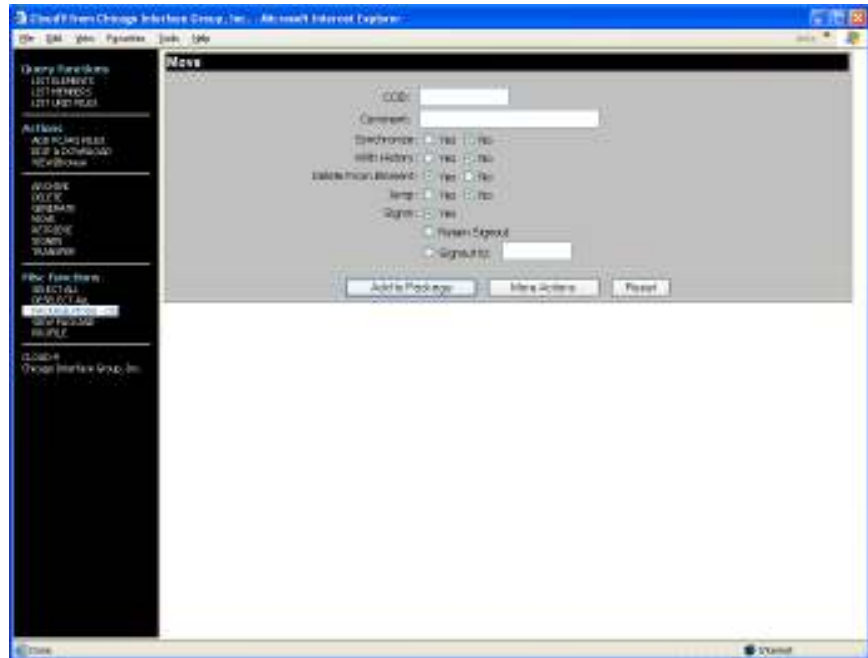


Figure 6.15 Move Panel

Select Package Processing Options

1. Enter the appropriate CCID, comments information, and appropriate selections.
2. Click **ADD TO PACKAGE**. The next screen will be the Package Processing Options panel (Figure 6.16).
3. Fill out the appropriate package information, attributes, and options.
4. Click **Submit**.

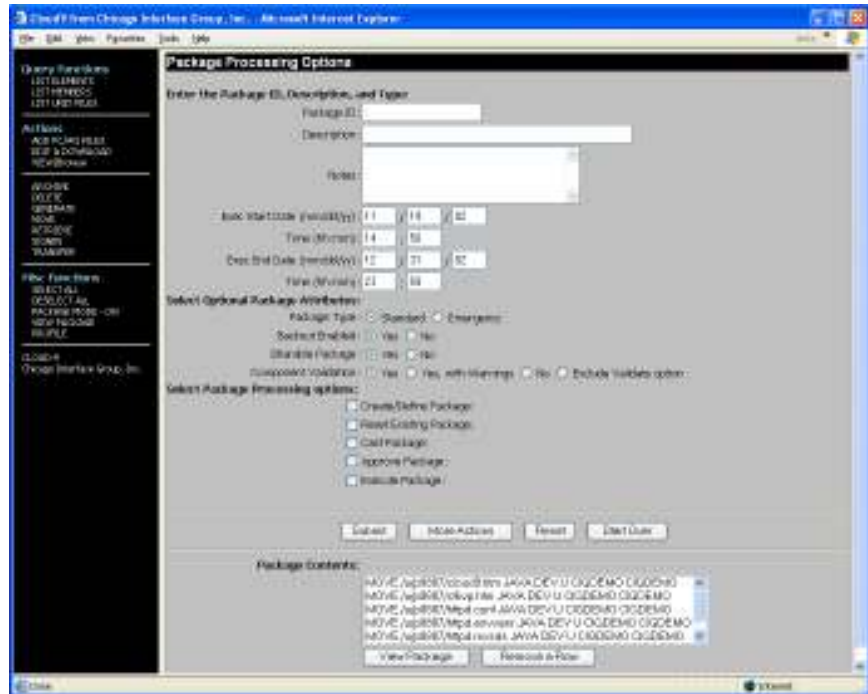


Figure 6.16 Package Processing Options

Required Fields:

Package ID and Description are required fields.

Optional Fields:

If no execution windows provided, then Cloud 9 will default to today's date and Dec. 31, 2001 as the execution window range. The extent of processing performed is determined by the Package Processing option check boxes. If none are checked, then the default is to perform a Define Package Function.

Confirm Batch Job Submission

Cloud 9 will return a confirmation that the batch job has been submitted (Figure 6.17).

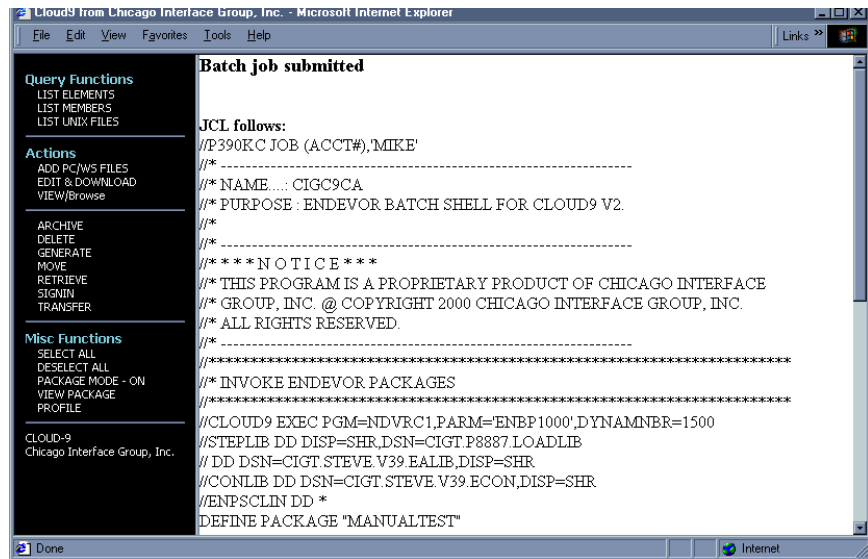


Figure 6.17 Batch Job Confirmation

Breeze Interface

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

Cross Platform (e-business) Packages

If the SLR has been configured to support cross platform/e-business objects, packages can be built using the Cloud 9 interface that contain traditional host objects, non-host objects or both. Through the use of Endevor processors, objects can be distributed out to the network or to USS.

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.

