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Module 1 – Lab-Introduction and Documentation
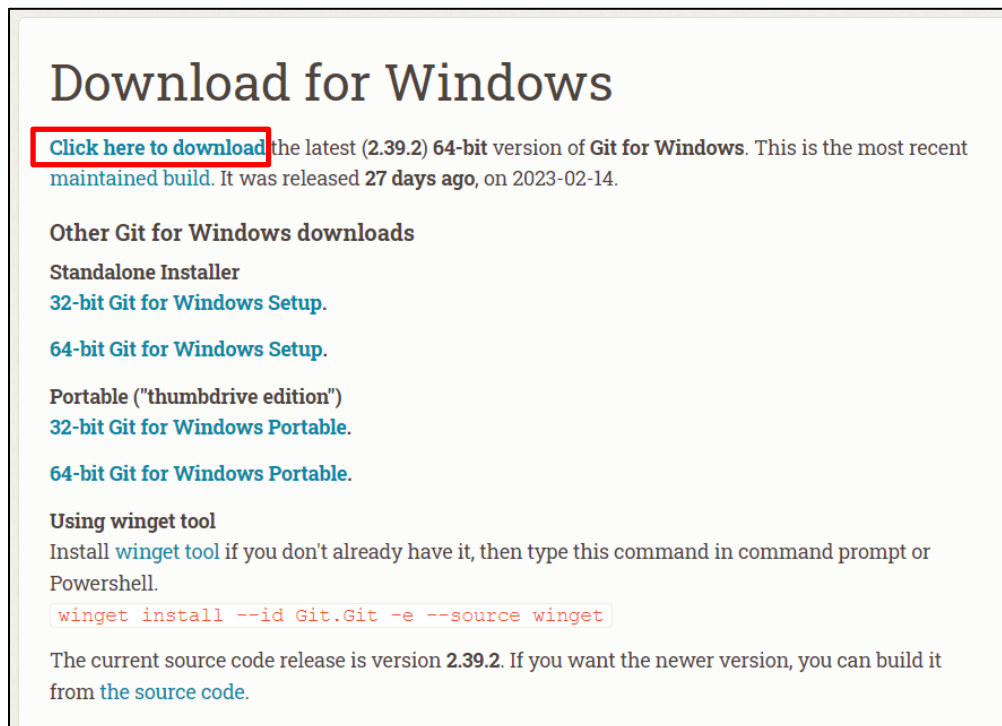
Contents

Exercise 1 – Introduction

This exercise has the following six tasks:

- Task 1 – Install the Git software
- Task 2 – Get the BankDemo source code from Git
- Task 3 – Set up the repository
- Task 4 – Launch Enterprise Analyzer
- Task 5 – Verify the source files
- Task 6 – View the entire workspace

Task 1 – Installing the Git Software

To download the Git software, perform the following steps:

1. Navigate to the URL https://git-scm.com/downloads.

2. Click the **Click here to download** link to download the Git exe file. It is like the `Git-2.39.2-64-bit.exe` file. The version may change.

3. Double-click the exe file to install the software.

During installation, you can retain the default options unless you would like to change any of the parameters.

4. Click **Next** 13 times.
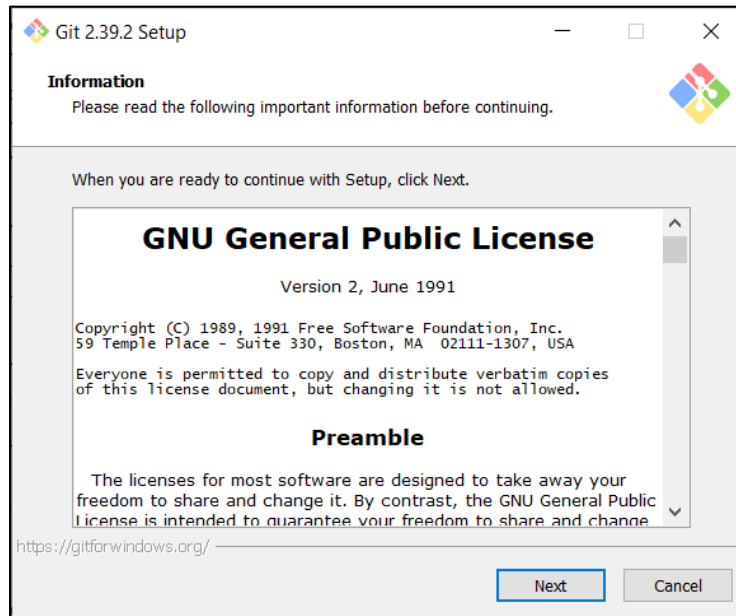
5. Click **Install** and then **Finish** to complete the installation.

Task 2 – Getting the BankDemo Source Code from Git

To copy the BankDemo Git repository, perform the following steps:

1. Open a command line or git bash (it ships with the installation).
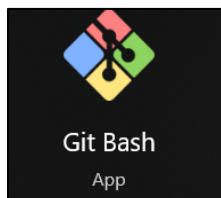
2. Navigate to a folder where you want to clone the Git repository.
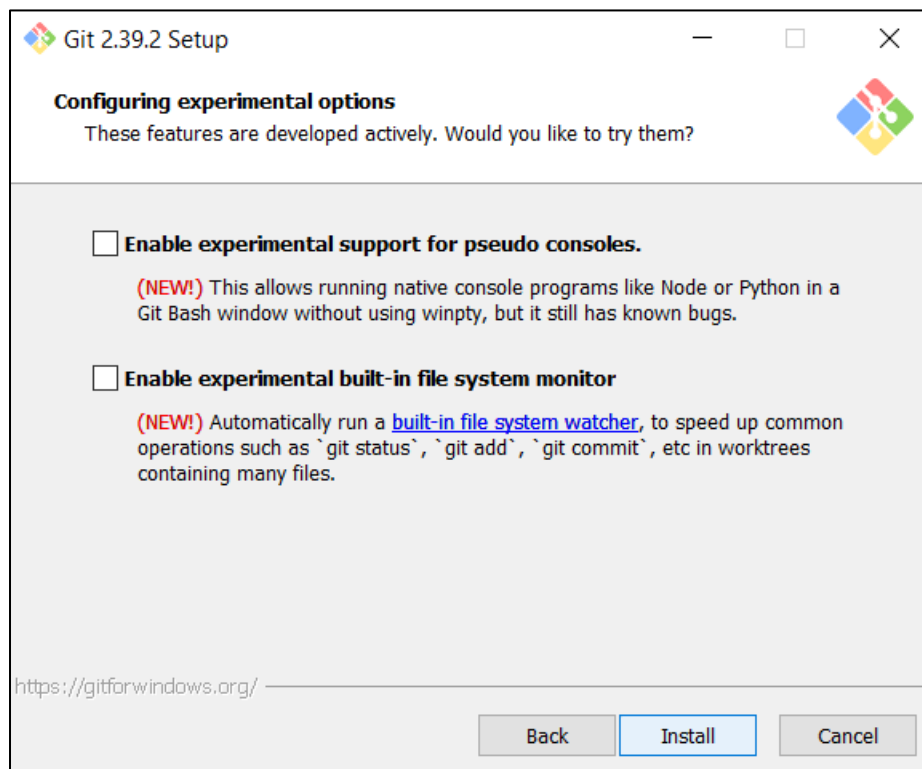
3. Run the following command:

```
git clone https://github.com/MicroFocus/BankDemo.git
```


This will create the BankDemo folder structure where you executed the Git clone command.

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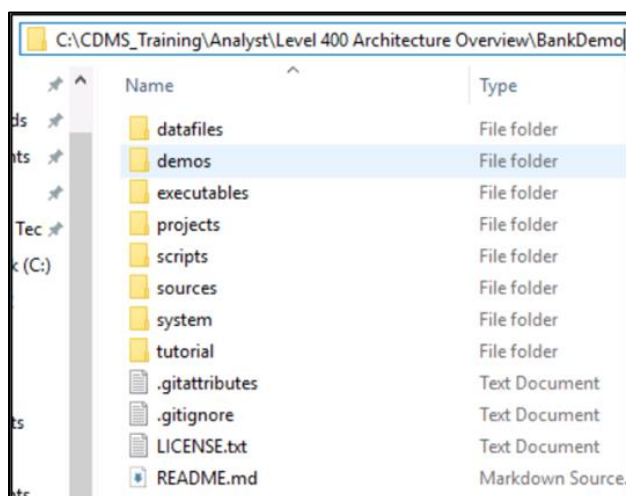
Task 3 – Setting up the Repository

The following steps take you through the steps of loading source code into Enterprise Analyzer and creating a workspace.

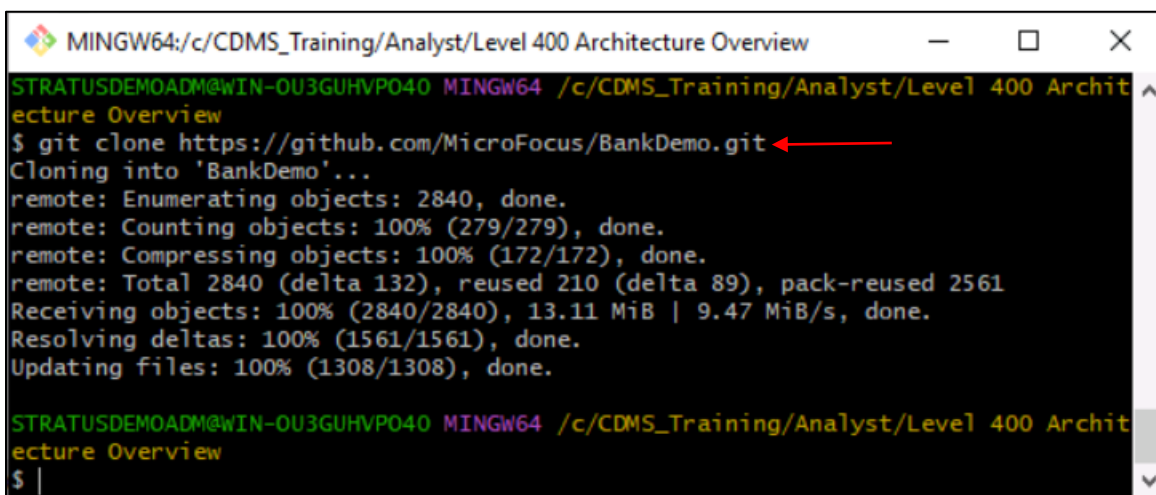A workspace is the container of sources that represents an application in Enterprise Analyzer.

Note: This process will take about 5 minutes to complete.

1. Select **Enterprise Analyzer Administration**.
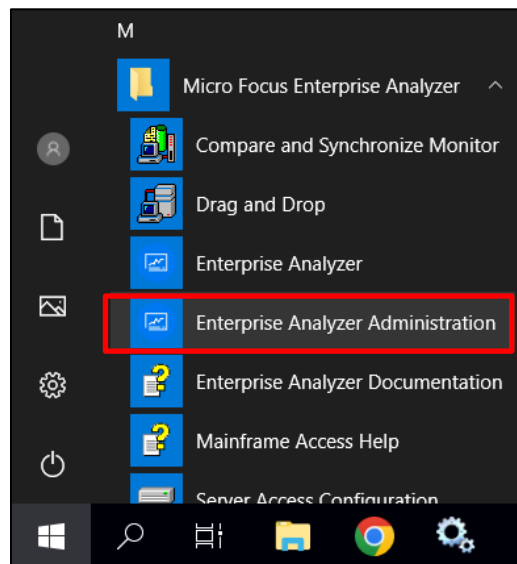
2. Click **Administer** and select **New Workspace**.
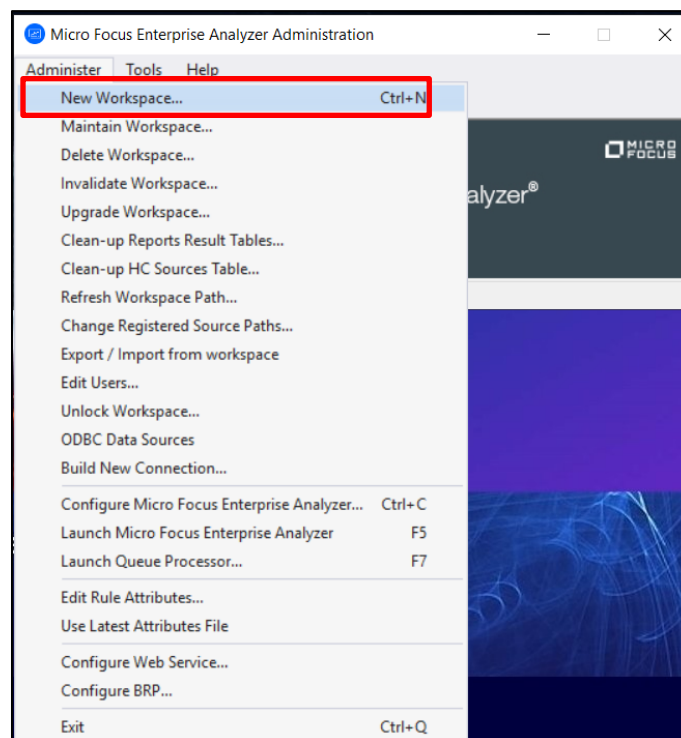
3. Click **SQL New Workspace(Simple(Automatic))**.

4. Click the **OK** button.
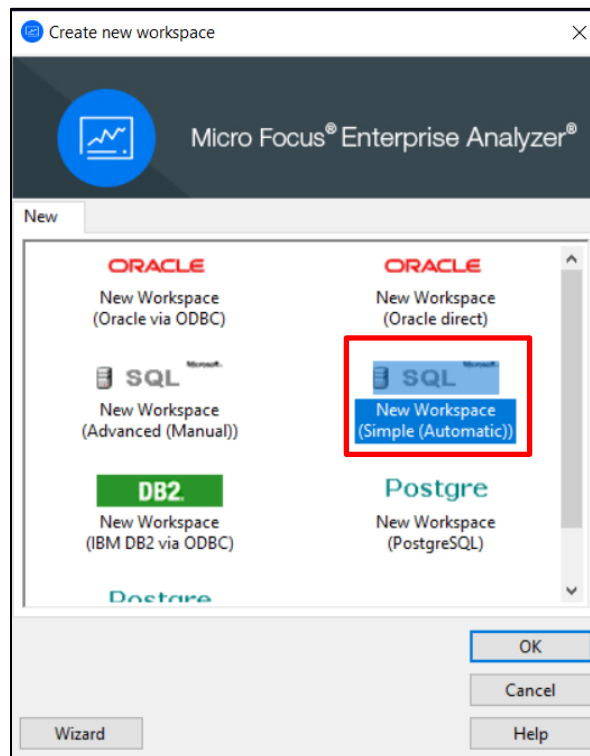
5. Enter **BankDemo** as the new workspace name.

6. Click the **Save** button.
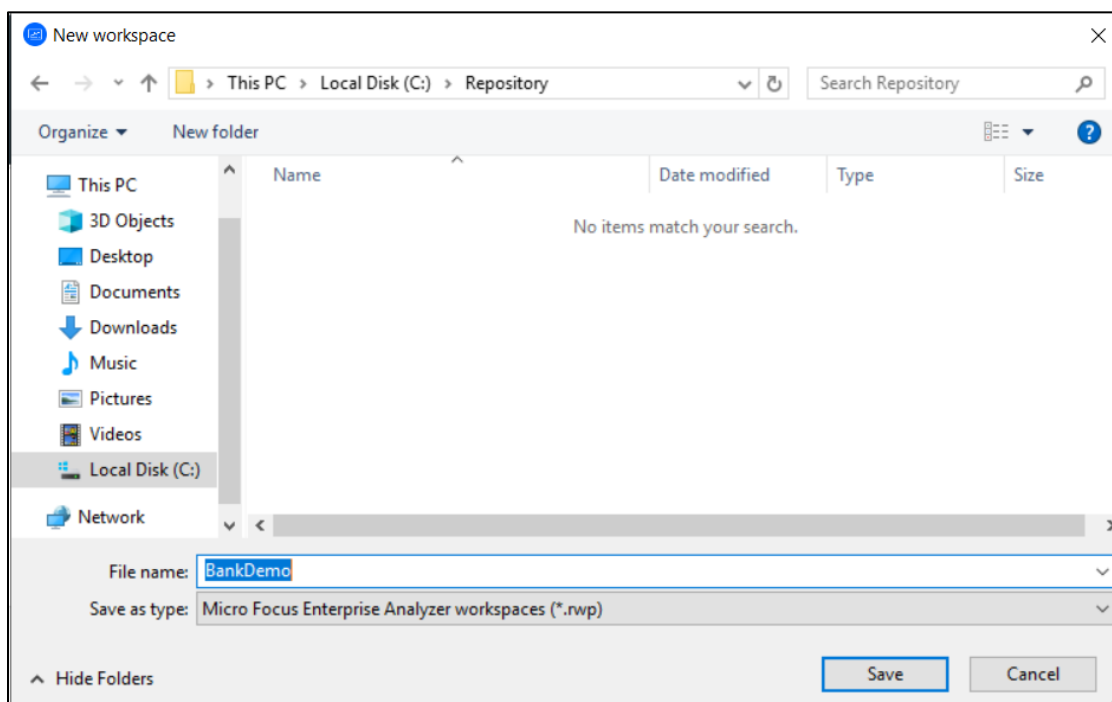
Wait while the process finishes creating the Workspace.
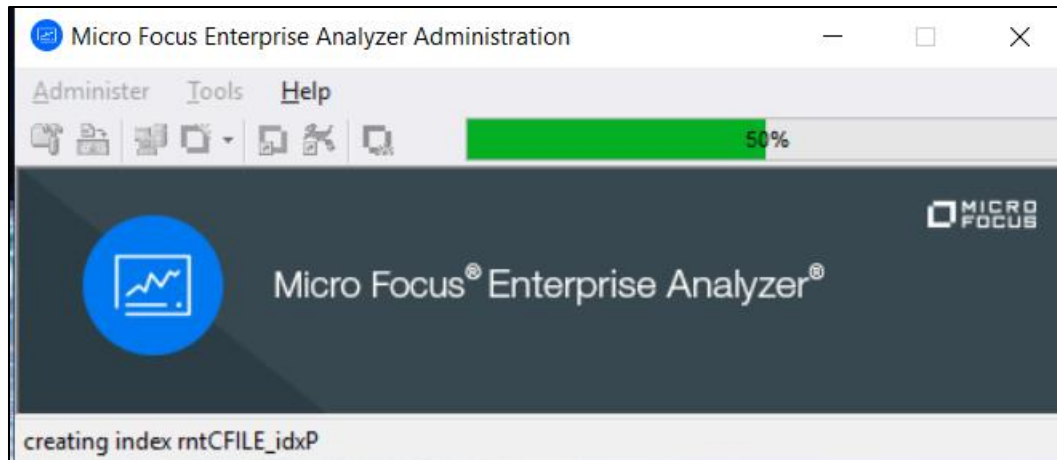
A new workspace is created.
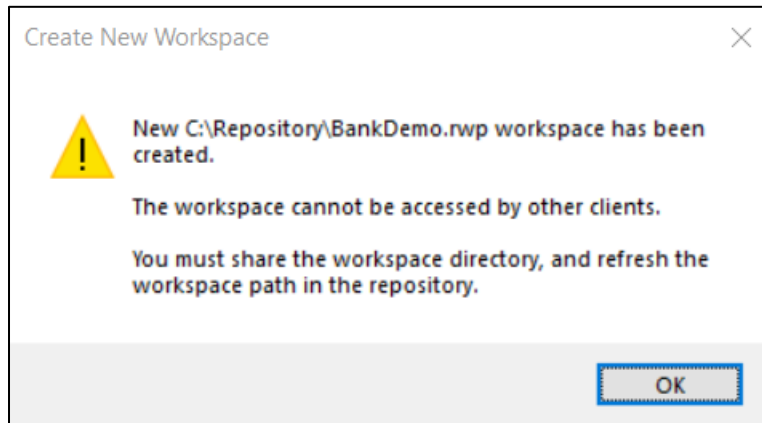
Task 4 – Launching Enterprise Analyzer

1. Open **Enterprise Analyzer**.
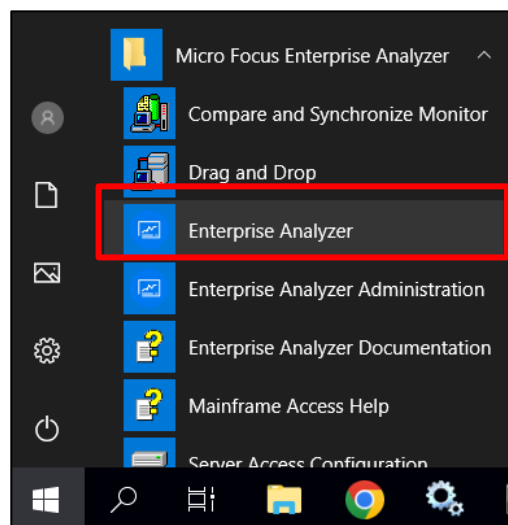
The Open Existing Workspace dialog box appears.

2. On the **Existing** or **Recent** tab, find the workspace.
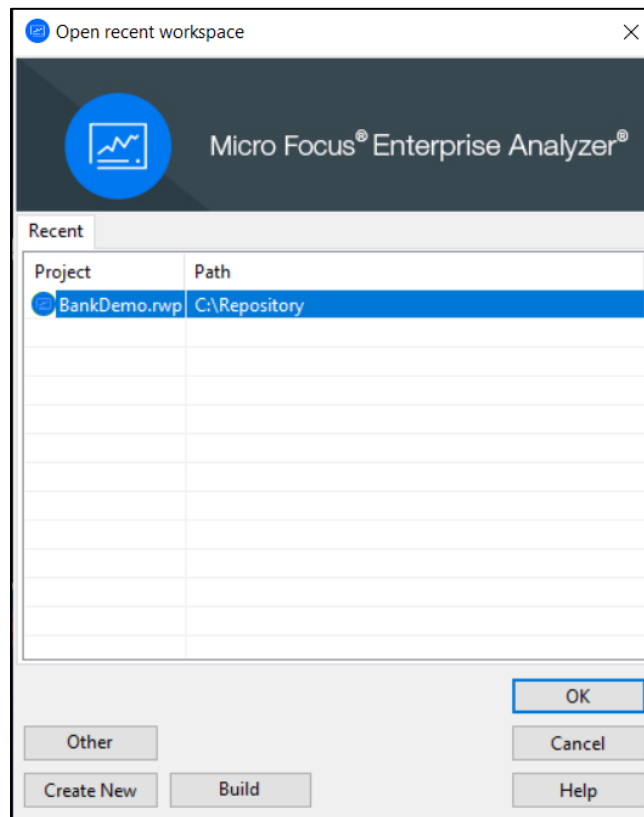
3. Click **OK**.

4. Click **Workspace** and select **Maintain Workspace…**.
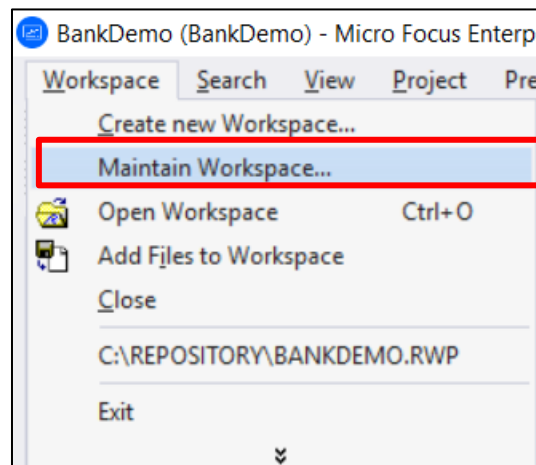
5. In the Workspace Maintenance Wizard - Welcome window, select **Add sources manually**.

6. Click the browse [...] button.
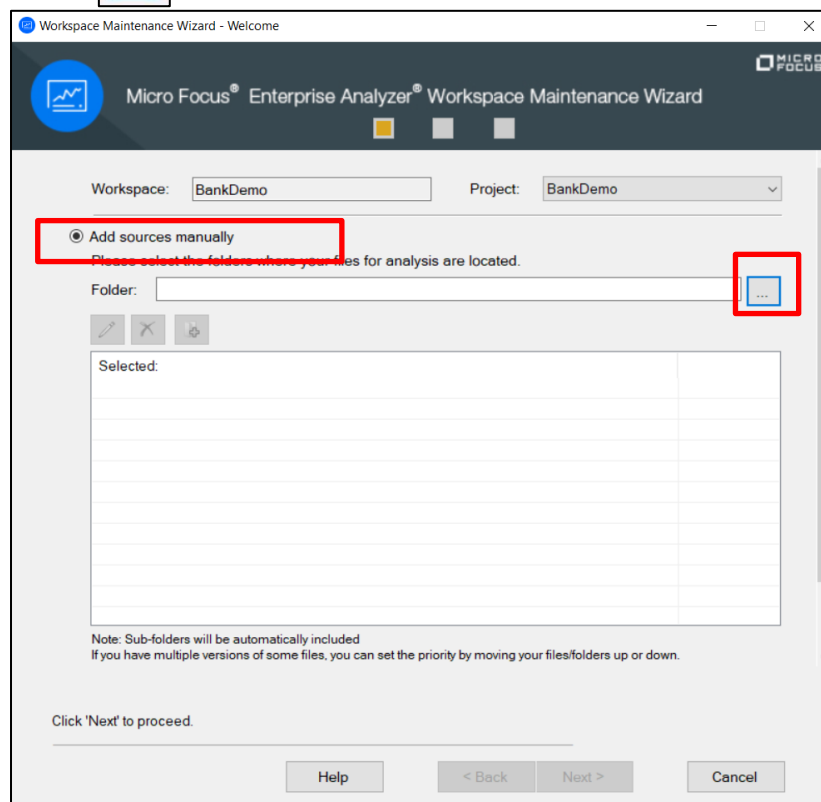
7. Select the folder **Sources** and click the **Select Folder** button.
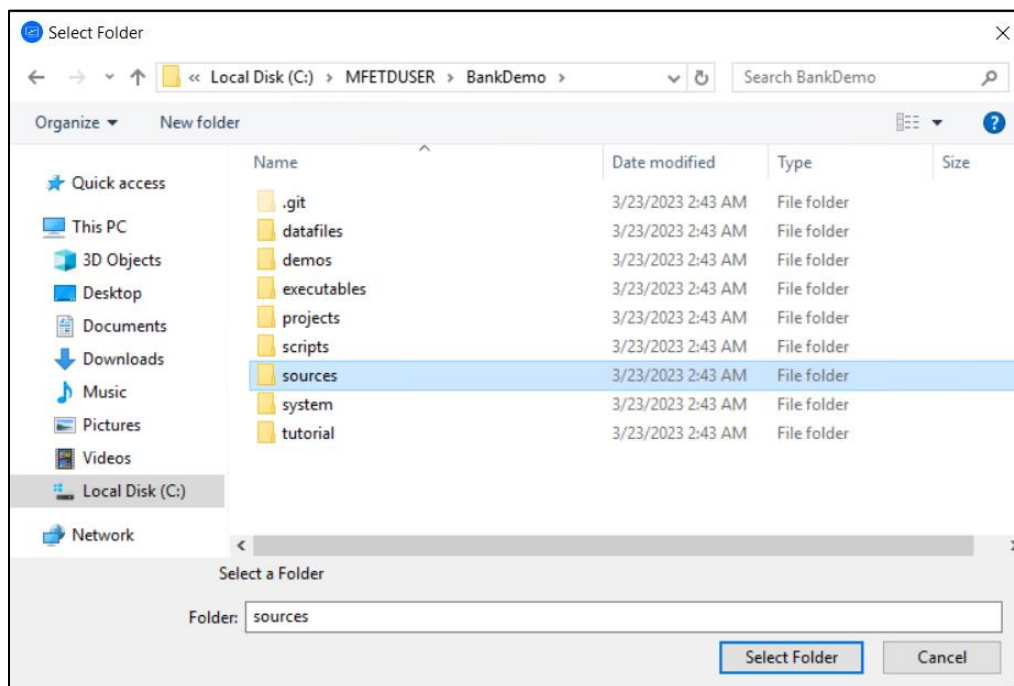
8. Click **Next**.
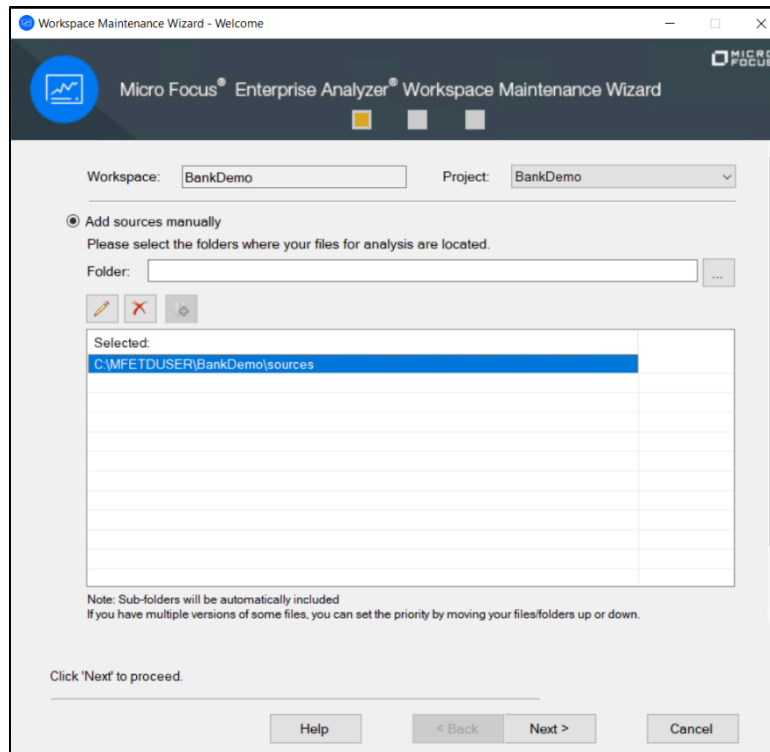
9. Click **Next**.
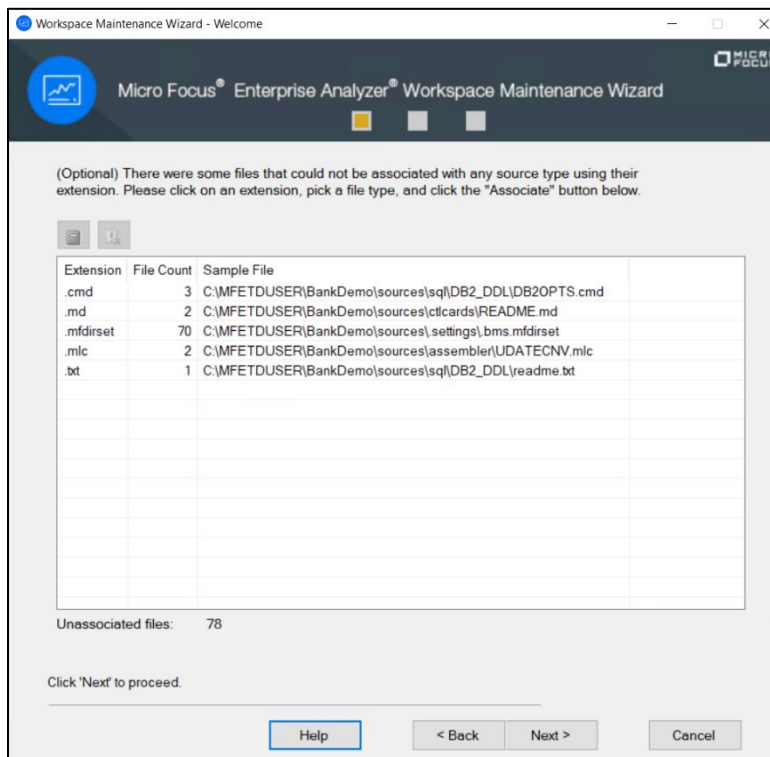
Next is the Verification process.

Task 5 – Verifying the Source Files

1. In the Workspace Maintenance Wizard – Maintain workspace window, select **Analyze all files**.
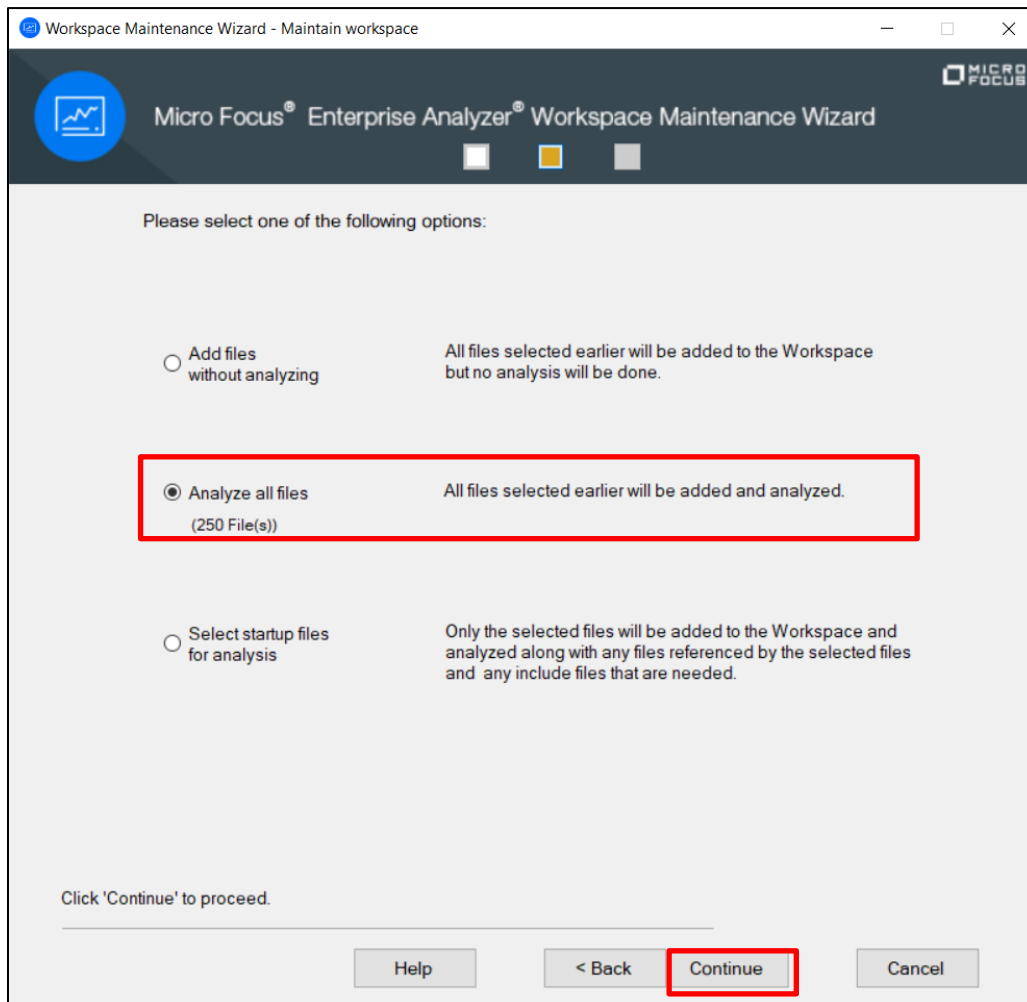
2. Click **Continue**.

   NOTE. Normally, when loading many source files for the first time, you are recommended to leave the default option (**Add files without analysis***) selected. After the source files are loaded, you can then analyze (verify) all the files.

   But for your hands-on exercise, change the option as instructed above.

   At this stage, a progress bar (green) is displayed to show progress in loading and then analyzing the COBOL code and other assets. This should take anywhere from 2 to 4 minutes.

3. Click **Finish**.
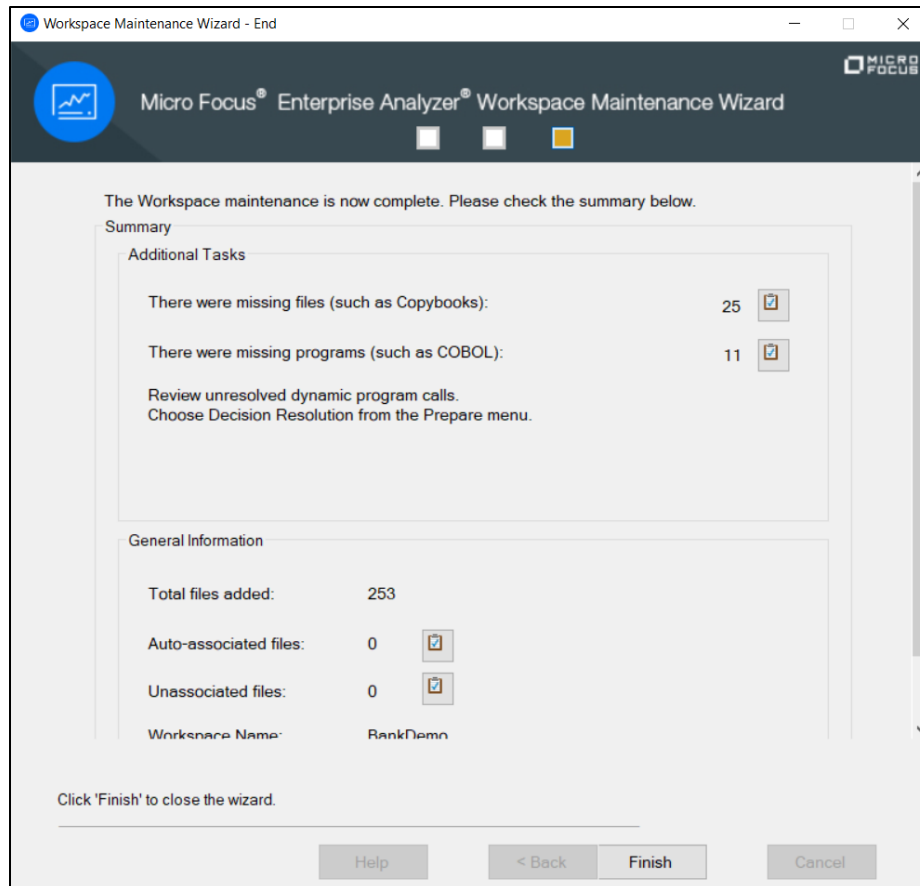
The verification process is complete for your source code.

Verification after Adding the Files to the Repository (Not needed for this lab)

After adding the source code to the repository, click Prepare and select **Verify**.

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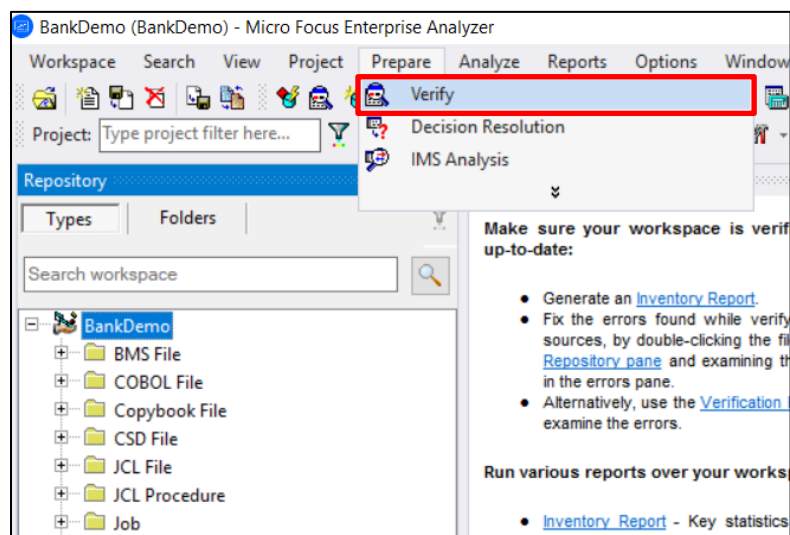
Once the verification process starts, progress is shown in the top right corner.

The time required to verify is based on the amount of source code added to the workspace/repository.

Progress can be seen on the Enterprise Analyzer toolbar.
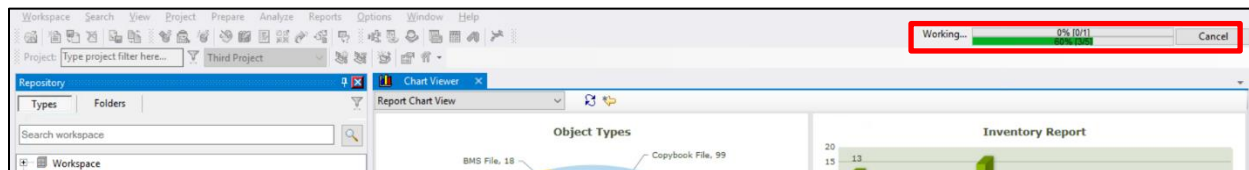
The Activity Log shows the status of the objects that are verified. If there is any dependency, it is shown in the **Result** column.

Date	Elapsed	Method	Entity Type	Object	Result	Messages
2021-04-14 14:22:18	00:00:01.08	VerifyAll	PCT File	MNT1.pct	success	(queue processor)
2021-04-14 14:22:18	00:00:01.16	VerifyAll	PCT File	ORD1.pct	success	(queue processor)
2021-04-14 14:22:32	00:00:01.48	VerifyAll	FCT File	CICS.FCT	success	(queue processor)
2021-04-14 14:22:43	00:00:02.12	VerifyAll	JCL File	DD01PT.JCL	success	(queue processor)

Once verification is complete, you can begin to explore Enterprise Analyzer.

Some Basic Concepts

Organization

- **Workspace** – folder containing sources on the app server. Objects are stored at the workspace level, and there is only one version of the workspace sources.
- **Repository** – schema on the database server containing information and relationships created as a result of parsing the sources in the workspace.
- **Project** – a default project with the same name as the initial workspace is created automatically. Additional projects are created by the user. Projects contain "pointers" to the source, so an object can belong to many projects.
- **Folders** - contain objects of a specific entity type (Cobol, JCL, etc.) based on the source file extension. A project can contain one or more folders. Some folders are automatically created because of parsing (Program, Screen, Transaction, etc.).

Navigation

There are multiple ways to access tools and functions within Enterprise Analyzer. Many features can be accessed by one or more of the following methods:
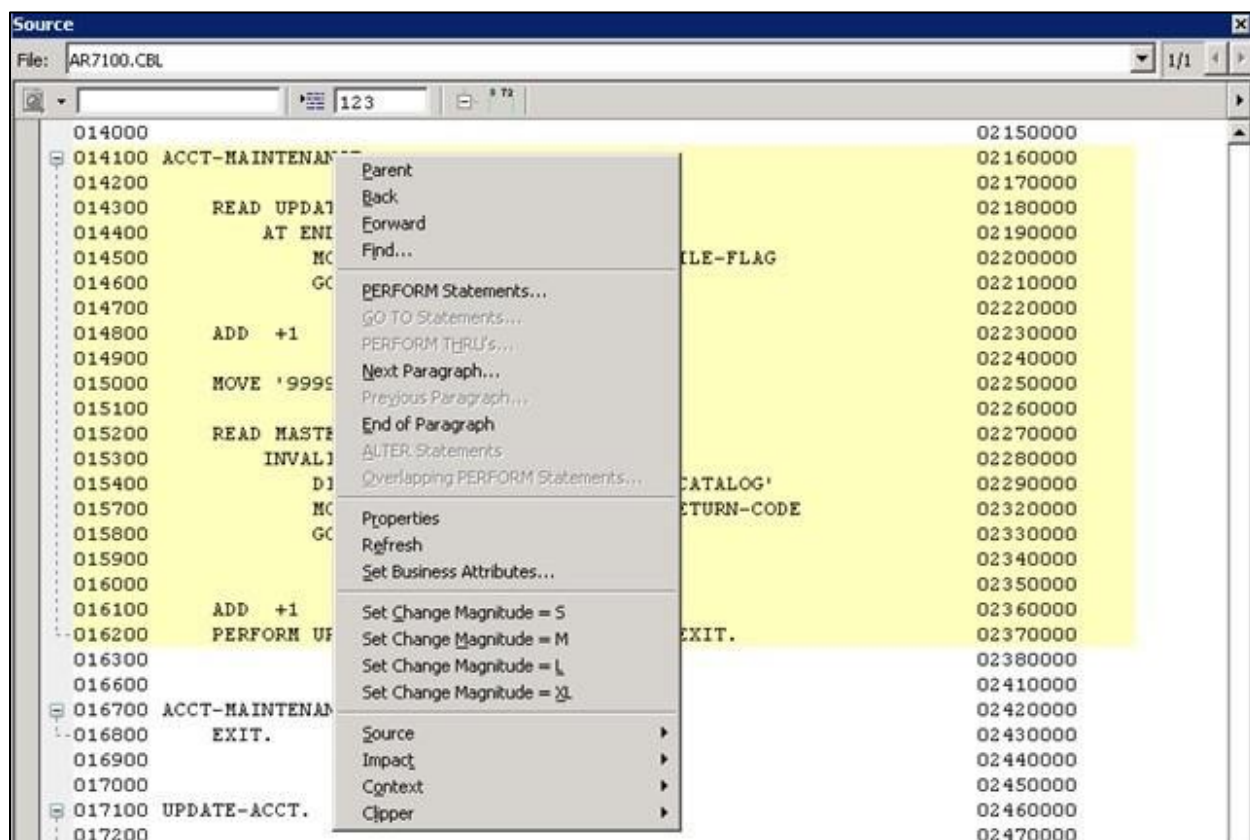
- Menu drop-down
- Icon
- Right click

Options in EA are "context-sensitive," meaning that the options that display will apply to the object or entity you currently have highlighted or selected with the cursor. For example, you can perform the **Query Repository** function at the project, folder, or object level. You can even perform this function for a "list" in the View panel if you have the entire list highlighted.

Options that are valid for the entity type selected but are not valid for the current object are not selectable (light gray).

The **ACCT-MAINTENANCE** paragraph is selected in Interactive Analysis.

There are **PERFORM** statements in the program for this paragraph, but no **PERFORM THRU's** or **GO TO** statements for this paragraph. Therefore, those options are not selectable.

Panes and Tabs

Each window within Enterprise Analyzer Interactive Analysis consists of multiple panes, which can be opened using the View option from the menu bar. Panes are activated by toggling on/off from the Menu drop-down. Some views can also be activated via function keys; for example, the panes on the Repository Screen. You can close any pane in EA by clicking the '**X**' in the upper right corner of the pane.

The Repository Browser pane can contain two tabs: **Folders** and **Types**. In addition, "**Repository Search Assistant**" (Search workspace) is available as an entry box on both the **Folders** tab and the **Types** tab.

Folders Tab

The Folders tab displays the contents of the repository in the same folder structure as that in which the source was loaded. This can have the same structure as the host environment and allows for elements with the same name (homonyms) to be loaded and displayed.

Types Tab

The Types tab displays the contents of the repository by project and entity type. This is the default format of the repository that has been in place since EA was created.
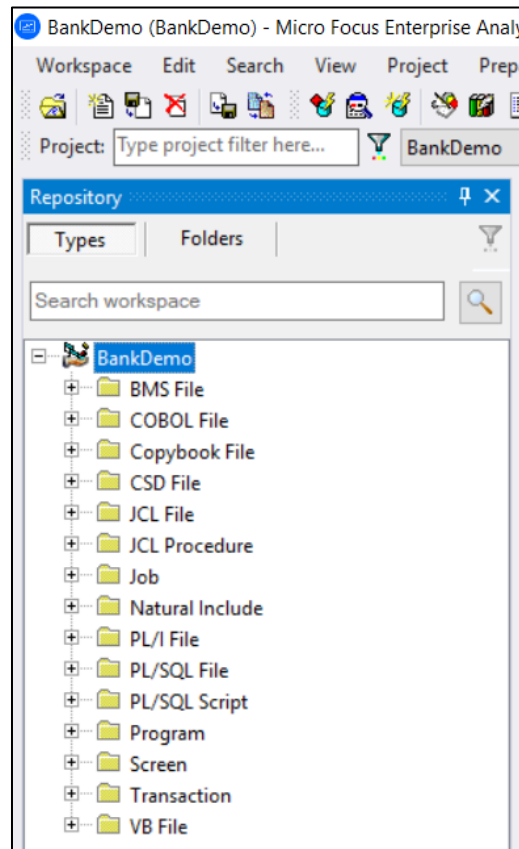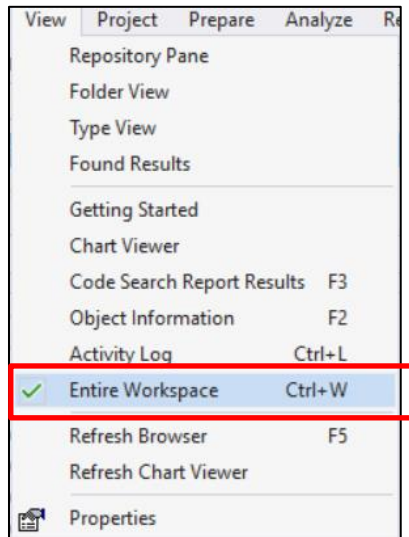

Task 6 – Viewing the Entire Workspace

To open and view the workspace, perform the following steps:

1. From the **View** menu, select **Entire Workspace**.

You will use the Workspace View later in the training. For now, be aware that the workspace contains additional information that may not be available at the project level.

2. Expand the folders under the workspace by clicking the **+** sign.

Notice that the workspace is represented by a filing cabinet icon. Any functions that are available from the Analyze drop-down menu are only valid for "Projects." So, if you have the workspace folder active (highlighted), you will not be able to choose any Analyzer functions. For that reason, you need to close the Workspace view when not in use.
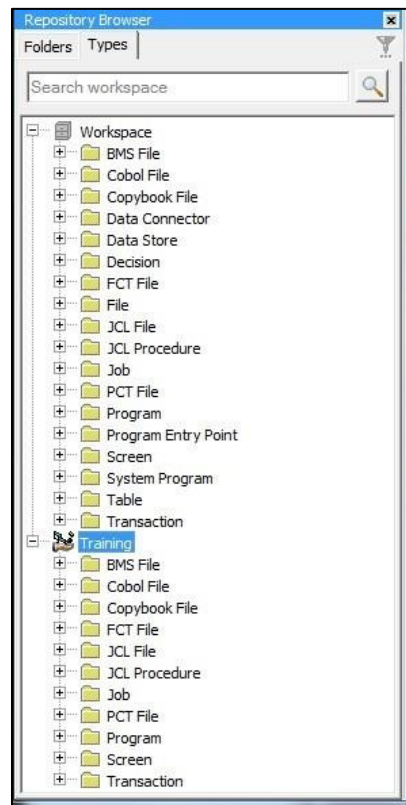
3. Press **CTRL+W** to toggle View Entire Workspace ON and OFF.

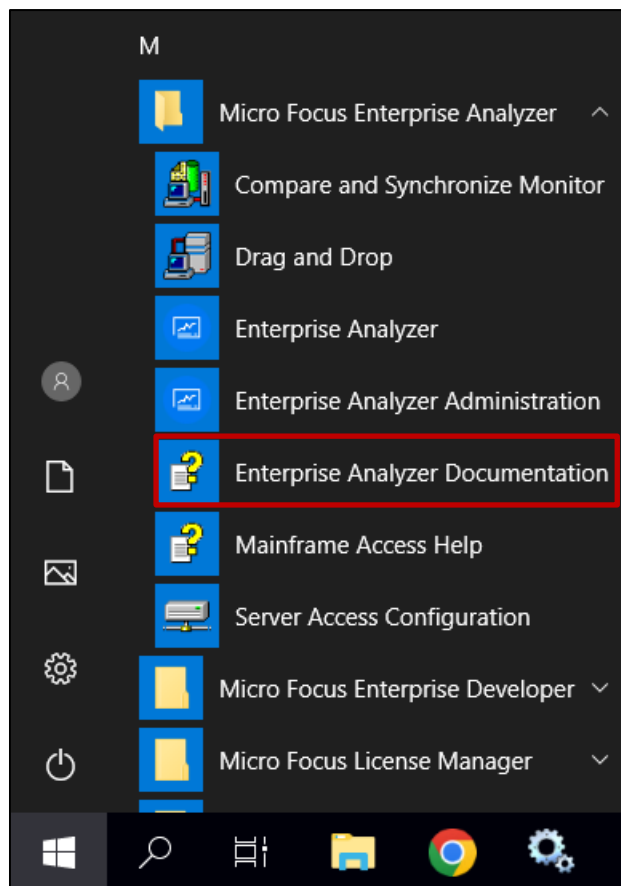# Exercise 2 – Documentation

This exercise has the following two tasks:

- Task 1 – Review the documentation
- Task 2 – Access the Online Help file

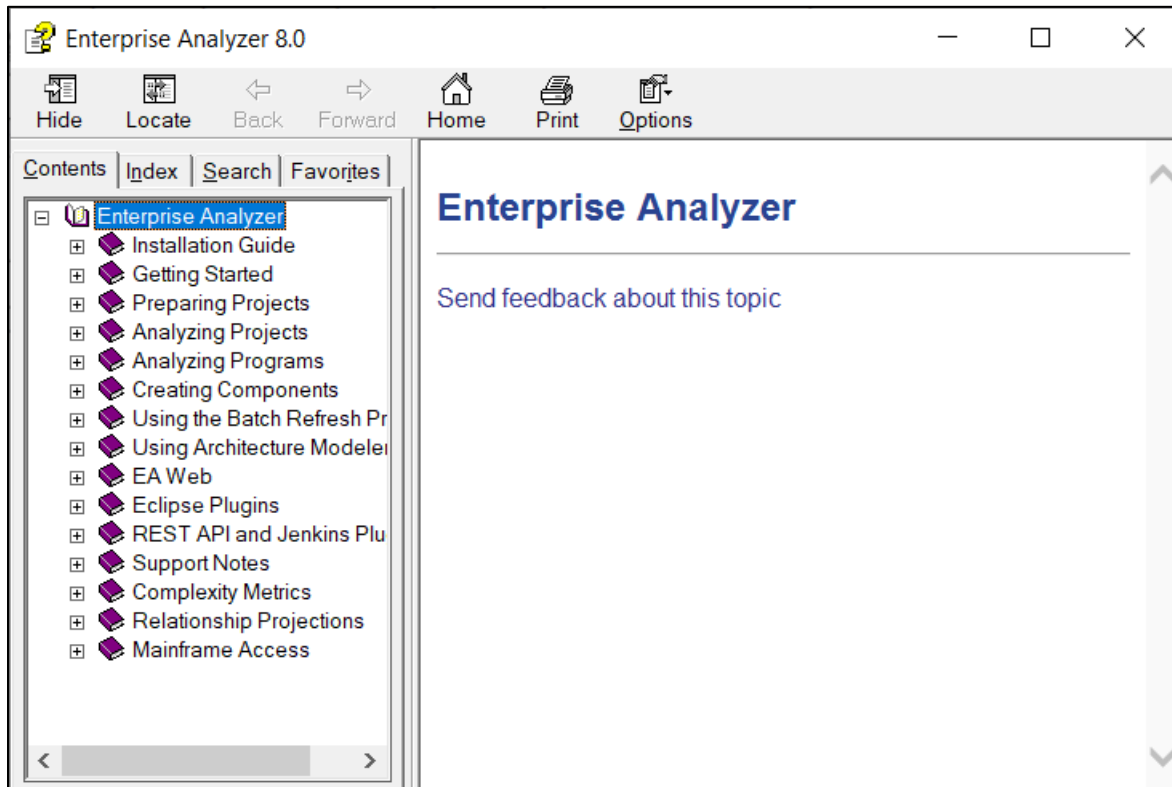## Task 1 – Reviewing the Documentation

To successfully open and review the Enterprise Analyzer, perform the following steps:

1. Click **Start** → **Micro Focus Enterprise Analyzer** → **Enterprise Analyzer Documentation**.

2. Review the available help.

The Getting Started section is a good introduction to Enterprise Analyzer. It also contains a description of the other manuals.


NOTE: In addition to the training manuals and User Guides provided in the Documentation folder, the application comes with a complete set of Online HELP.

Task 2 – Accessing the Online Help File

To successfully open and review the Enterprise Analyzer online help files, perform the following steps:

1. Open Enterprise Analyzer.

2. Click the **Help** menu and select **Help Topics**.

3. Press the **F1** key to access context-sensitive help.
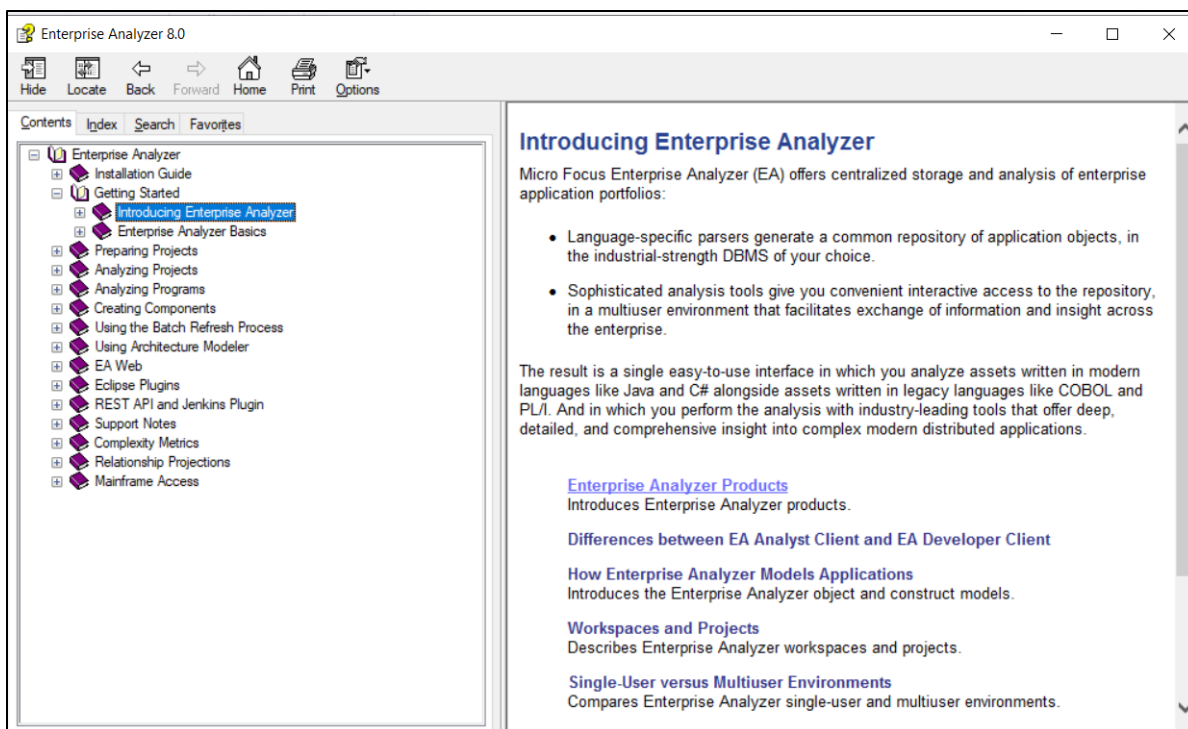
The information in the right pane is hyperlinked to enable you to navigate to the documentation easily.

The four tabs in the left pane – Context, Index, Search, and Favorites offer different interfaces for finding the information that you are looking for.

Context: The table of contents is organized like the external documentation. Expand the different sections of the document and click the topic that you want to display in the right pane.
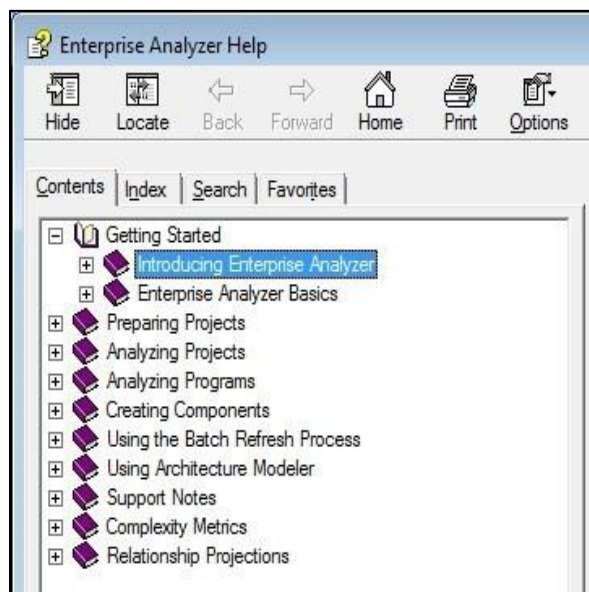
4. Click the **Index** tab.
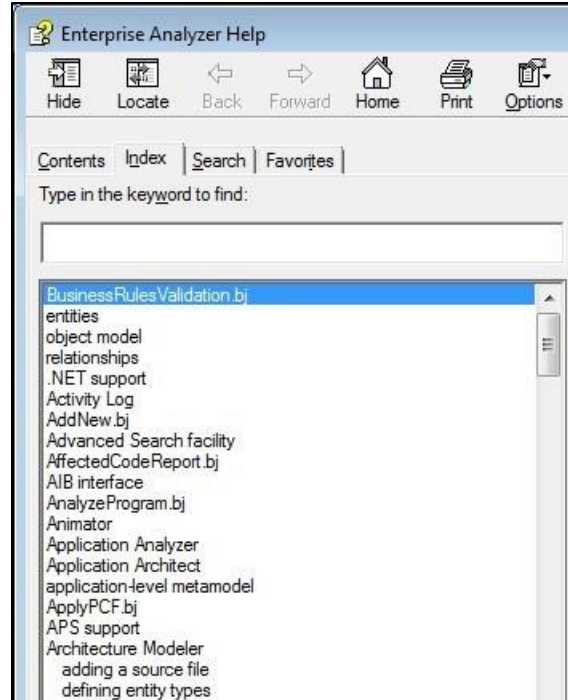
a. Type in a word in the **Type in the keyword to find:** text box to show the index for that area.

b. Click a word or phrase in the left pane, and the topic is displayed in the right pane.

c. When there are multiple choices for the phrase, the list box displays for you to choose which topic you are interested in.

5. Click the **Search** tab. This tab allows you to find documentation easily.

a. Type in a word or phrase, and the matching words will display in the pane on the left of the window.

b. Click the **List Topics** button and a list of topics containing that word is displayed in the left pane.

c. Double-click on a topic, and it is shown in the right pane.
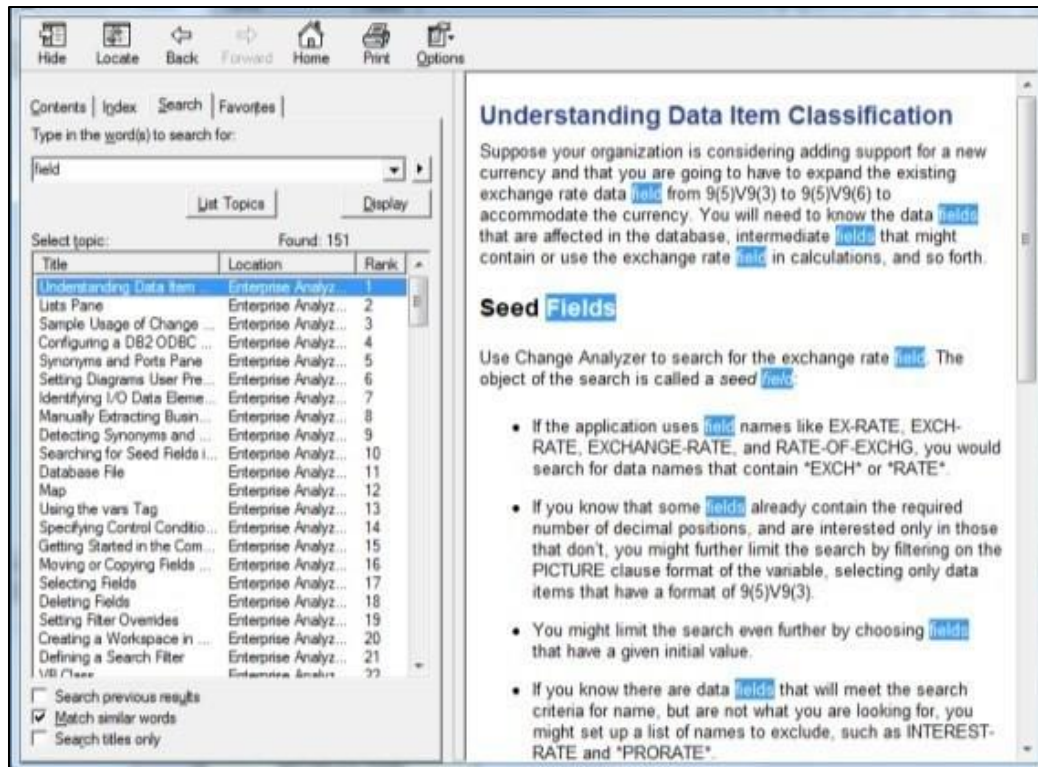


6. Click the **Favorites** tab. This tab allows you to store commonly used Help windows for easier access in the future.
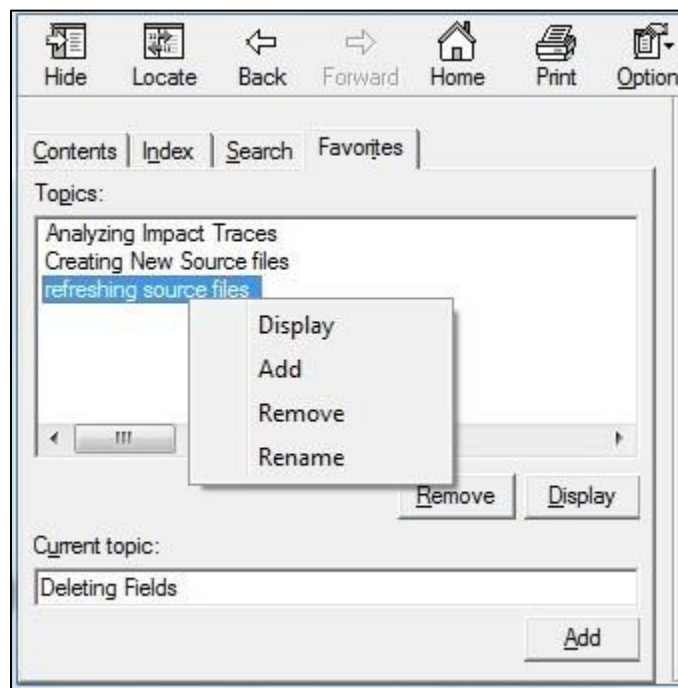
▪ **Display**: Shows the selected page in the main Help window.

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- **Add**: Adds the current page to the favorites list.
- **Remove**: Removes the currently selected page from the Favorite list.
- **Rename**: Allows you to change the name (defaulted from the help text) to something more meaningful to you.

7. Use the following buttons to navigate through the Help documentation:
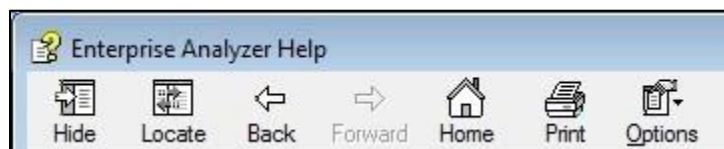
- **Hide:** Removes the list on the left side of the screen so that only the Help topic is displayed. **Show**: Displays the list again.
- **Locate:** Identifies and highlights the document where the help is defined.
- **Back**: Returns to the previously displayed page.
- **Forward**: Advances to the next page.
- **Home**: Return to the help home page.
- **Print**: Prints the page.

Under the **Options** drop-down menu are all the above choices plus the following options:
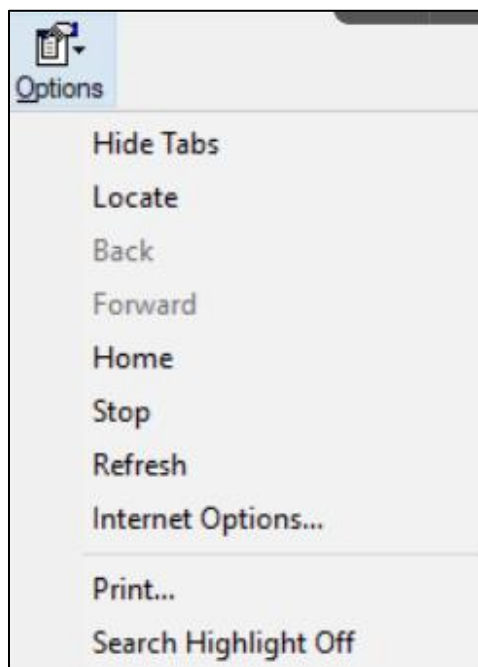
- **Refresh**: refreshes the screen display.
- **Internet Options**: navigates to the Internet Options menu for the browser.
- **Search Highlight Off**: toggles OFF or ON the highlighting of words that you are searching for in the Help text.

8. Click the **X** (close) button to close Help.