IDL Extractor for COBOL Preferences

- Create New Local Extractor Environment (z/OS, z/VSE, BS2000/OSD and IBM i)
- Create New Local Extractor Environment for Micro Focus (UNIX and Windows)
- Create New Remote Extractor Environment (z/OS)
- Create New Remote Extractor Environment (BS2000/OSD)

The IDL Extractor for COBOL preferences are used to manage COBOL extractor environments. A COBOL extractor environment provides defaults for the extraction and refers to COBOL programs and copybooks

- stored locally on the same machine where the EntireX Workbench is running, a so-called local COBOL extractor environment, or
- stored remotely on a host computer, a so-called remote COBOL extractor environment. The Extractor Service is required to access COBOL programs and copybooks remotely with a remote COBOL extractor environment. The Extractor Service is supported on operating systems z/OS and BS2000/OSD. See *Extractor Service* in the z/OS Batch | IMS | BS2000/OSD Batch RPC Server documentation.

COBOL extractor environments are offered in the IDL Extractor for COBOL wizard to reference the COBOL programs and copybooks and retrieve defaults for the IDL extraction. To create, edit, duplicate and remove COBOL extractor environments, open the **Preferences** page and use the buttons on the right.

| type filter text | | IDL Extractor for COBOL | | 4 | • • • • |
|------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|
| type filter text | • | Manage COBOL Extractor Environments Table of defined COBOL Extractor Environ Name COBOL Extractor Environment - 1 COBOL Extractor Environment - 2 COBOL Extractor Environment - 3 COBOL Extractor Environment - 4 COBOL Extractor Environment - 5 COBOL Extractor Environment - 6 | nments: Extractor Environment | Operating System z/OS Windows VSE i5/OS BS2000 UNIX | Insert Edit Duplicat Remove |
| | | Define prefixes for IDL parameter name FILLER: FILLER Anonymous <u>G</u> roup: FILLER To avoid duplicates, prefixes are append Type of COBOL mapping © Segver-side Mapping © Clie <u>n</u> t-side | s ed by '_n' (e.g. FILLER results in F : Mapping | ILLER_1, FILLER_2 etc.). Restore Defaults | Apply |

The **Preferences** page contains further settings valid for all COBOL extractor environments:

• Define prefixes for IDL parameter names

The defined prefixes are used for *FILLER Pseudo-Parameter*.

• Type of COBOL mapping

Every EntireX Workbench (Eclipse) workspace is either in client-side mapping mode (generating EntireX Workbench server mapping files with extension .cvm) or server-side mapping mode (generating EntireX Workbench server mapping files with extension .svm). See *Server Mapping Files for COBOL* for an introduction. You can adjust the mode here, which will also set the mode of the COBOL Wrapper to the same value. See *Generation Settings - Preferences* in the COBOL Wrapper documentation.

Server mapping files are generated automatically for RPC servers if required. See *When is a Server Mapping File Required? - IDL Extractor for COBOL* in the *EntireX Workbench* documentation.

Create New Local Extractor Environment (z/OS, z/VSE, BS2000/OSD and IBM i)

This section describes the four steps for creating a new local COBOL extractor environment to extract z/OS, z/VSE, BS2000/OSD or IBM i COBOL programs.

- Step 1: Define the New Local Environment
- Step 2: Define the Default Settings
- Step 3: Define the Local Extractor Environment
- Step 4: Define the Local Copybook Locations

Step 1: Define the New Local Environment

On the New Environment page you can specify Name and Operating system.

| 🖨 IDL Extractor fo | or COBOL 📃 🗖 🔀 |
|------------------------------------------------------------------------------|----------------------------------------------------------------|
| New Environment Define a new COBOL | extractor environment. |
| COBOL Extractor En Nam <u>e</u> : Operating System: Source Location | vironment My_COBOL_Extractor_Environment z/O5 |
| 0 | < Back Next > Finish Cancel |

To define the new environment settings

- 1. Enter a unique Name for the COBOL extractor environment.
- 2. Select the **Operating system**.
- 3. Select "Local" for Source Location.

Step 2: Define the Default Settings

The **Default Settings** page provides defaults for *Step 4: Define the Extraction Settings and Start Extraction* in *Using the IDL Extractor for COBOL - Overview*. You can set defaults for interface type and COBOL to IDL mapping.

| 🔁 IDL Extractor for COBOL | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Default Settings Define the default settings for the COBOL extractor environment. | | | | |
| COBOL Extractor Environment Name: My_COBOL_Extractor_Environment | | | | |
| COBOL Source Characteristics | | | | |
| Operating System: z/OS | | | | |
| Interface Type: CICS with DFHCOMMAREA calling convention | | | | |
| IMS MPP message interface (IMS Connect) | | | | |
| Transaction field length in COBOL source; * 10 | | | | |
| Ask for Transaction Name - specification at design time | | | | |
| ○ Create I <u>D</u> L parameter for Transaction Name - specification at runtime | | | | |
| IMS BMP with standard linkage calling convention | | | | |
| IMS PSB List: Browse | | | | |
| CICS with Channel Container calling convention | | | | |
| Channel Name: EntireXChannel | | | | |
| COBOL to IDL Mapping Map alphanumeric fields (PICTURE X, A, G, N) to ⊙ Strings with variable length (Java, .NET, DCOM, C, Natural, SOAP, XML) ⊃ Strings with fixed length (COBOL, PL/I) Map FILLER fields to IDL | | | | |
| Cancel Can | | | | |

> To define the default extraction settings

- 1. Select the default Interface Type. See Supported COBOL Interface Types.
- 2. Depending on the interface type, additional information can be set. For interface type
 - CICS with Channel Container Calling Convention, you can set the channel name.
 - *IMS MPP Message Interface (IMS Connect)*, you can set defaults for the transaction name. Possible options are a constant transaction name defined during extraction process or an IDL parameter to be specified at runtime.
 - *IMS BMP with Standard Linkage Calling Convention*, you can set the default for **IMS PSB** List.

For more information refer to Step 4: Define the Extraction Settings and Start Extraction.

3. Specify a default value for COBOL to IDL Mapping. See COBOL to IDL Mapping.

Press Next and continue with Step 3: Define the Local Extractor Environment below.

Step 3: Define the Local Extractor Environment

On the **Local Extractor Environment** page you can provide a default directory name for the COBOL programs:

| 🖨 IDL Extractor for | COBOL | | |
|------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|--|
| Local Extractor Environment Define a root directory to extract COBOL sources from. | | | |
| During extraction you ca subdirectories only. Root <u>D</u> irectory Name: | in browse for COBOL sources in this root direct | ory and its <u>W</u> orkspace File <u>S</u> ystem | |
| 0 | < Back Next > Einish | Cancel | |

- 1. Choose Workspace... or File System... to browse for a folder.
- 2. Choose Next and continue with Step 4: Define the Local Copybook Locations below.

Step 4: Define the Local Copybook Locations

On the **Local Copybook Location** page you can add directories that will be used to resolve copybooks. Copybooks and members referenced with COPY statements, CA Librarian –INC statements and CA Panvalet ++INCLUDE statements will be searched for in the defined local directories:

| 🖨 IDL Extractor for COBOL | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--|--|
| Local Copybook Locations | | | | |
| Define local directories where the extractor will search for copybooks (COPY statements) and include compone ++INCLUDE statements), using the defined file extensions. | ents (-INC, 📄 | | | |
| Directory List | | | | |
| List of directories: | | | | |
| | Workspace | | | |
| | File System | | | |
| | Up | | | |
| | Down | | | |
| | Remove | | | |
| | Kenlove | | | |
| Enter any specific copybook extensions. | | | | |
| Use comma or semicolon to separate multiple extensions (for example: cob;cbl;cpy;txt or cob,cbl,cpy,txt). | | | | |
| Copybook file extensions: | | | | |
| | | | | |
| C Back Next > Finish | Cancel | | | |

The file extensions for copybooks can also be entered. If no extensions are specified, the IDL Extractor for COBOL wizard will try to locate copybooks without any file extensions.

Press Workspace... or File System... to browse for a folder.

Press Finish.

Create New Local Extractor Environment for Micro Focus (UNIX and Windows)

This section describes the four steps for creating a new local COBOL extractor environment to extract Micro Focus COBOL programs.

- Step 1: Define the New Local Environment
- Step 2: Define the Default Settings
- Step 3: Define the Local Extractor Environment
- Step 4: Define the Local Copybook Locations

Step 1: Define the New Local Environment

| 🖨 IDL Extractor fo | or COBOL | |
|-------------------------------------|--------------------------------------|--------|
| New Environme Define a new COBOL | nt extractor environment. | 4 |
| COBOL Extractor Er | vironment | |
| Nam <u>e</u> : | My_COBOL_Extractor_Environment | |
| Operating System: | Windows | ~ |
| Source Location | | |
| <u>L</u> ocal | () <u>R</u> emote | |
| | | |
| ? | < <u>B</u> ack <u>N</u> ext > Einish | Cancel |

On the **New Environment** page you can specify the **Name** and **Operating system**. Only UNIX and Windows operating systems can be used for Micro Focus COBOL.

To define the default extraction settings

- 1. Enter a unique name for the COBOL extractor environment.
- 2. Select the Operating system "UNIX" or "Windows".
- 3. Select "Local" for Source location.

Step 2: Define the Default Settings

The **Default Settings** page provides defaults for *Step 4: Define the Extraction Settings and Start Extraction* in *Using the IDL Extractor for COBOL - Overview.*

You can set defaults for Interface type, Compiler directives and COBOL to IDL Mapping.

| 🖨 IDL Extractor f | or COBOL | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------|--------|--|
| Default Settings Define the default settings for the COBOL extractor environment. | | | | |
| COBOL Extractor Er | nvironment Extractor_Environmen | t | | |
| COBOL Source Char | racteristics | | | |
| Operating System: | Windows | | | |
| Interface <u>Type</u> : | Micro Focus with stand | ard linkage calling convention | ~ | |
| Compiler Directive | 5 | | | |
| Meaning of <u>P</u> IC N | without USAGE clause: | DISPLAY-1 (DBCS) | ~ | |
| Format of source of | code: | Fixed (column 7 - 72) | ~ | |
| T <u>A</u> B stop width: | | 8 | | |
| COBOL to IDL Mapping Map alphanumeric fields (PICTURE X, A, G, N) to Strings with variable length (Java, .NET, DCOM, C, Natural, SOAP, XML) Strings with fixed length (COBOL, PL/I) | | | | |
| 0 | | < <u>B</u> ack <u>N</u> ext > <u>F</u> inish | Cancel | |

To define the default extraction settings

- 1. Refer to *Step 2: Define the Default Settings* for a local extractor environment for field descriptions. Select the default **Interface type**. See *Supported COBOL Interface Types*.
- 2. Select a value for **Meaning of PIC N without USAGE clause**. Select "NATIONAL" for IDL mapping to data type U, or "DISPLAY-1" (DBCS) for data type K. "DISPLAY-1" (DBCS) is the default, which is the same as Micro Focus compilers. See also *COBOL to IDL Mapping*.
- 3. Select the source code format. Use "Fixed" (default) or "Variable" to change the interpreted source code columns. Refer to your Micro Focus documentation for further information.
- 4. Enter the TAB stop width. Typical values are 4 or 8 (default).
- 5. Specify the default COBOL to IDL Mapping. See COBOL to IDL Mapping.

6. Choose Next and continue with the Step 3: Define the Local Extractor Environment below.

Refer to Step 2: Define the Default Settings for a local extractor environment for field descriptions.

Step 3: Define the Local Extractor Environment

On the **Local Extractor Environment** page you can provide a default directory name for the COBOL programs:

| 🖨 IDL Extractor for | COBOL | |
|----------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|
| Local Extractor Env Define a root directory | vironment to extract COBOL sources from. | 4 |
| During extraction you ca subdirectories only. Root <u>D</u> irectory Name: | an browse for COBOL sources in this root directo | rry and its Workspace File System |
| ? | < Back Next > Einish | Cancel |

- 1. Choose Workspace... or File System... to browse for a folder.
- 2. Choose Next and continue with Step 4: Define the Local Copybook Locations below.

Step 4: Define the Local Copybook Locations

On the **Local Copybook Location** page you can add directories that will be used to resolve copybooks. Copybooks and members referenced with COPY statements, CA Librarian –INC statements and CA Panvalet ++INCLUDE statements will be searched for in the defined local directories:

| 🖨 IDL Extractor for COBOL | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Local Copybook Locations | |
| Define local directories where the extractor will search for copybooks (COPY statements) and include component ++INCLUDE statements), using the defined file extensions. | ts (-INC, 📄 |
| Directory List | |
| List of directories: | |
| | Workspace |
| | File System |
| | |
| | Up |
| | Down |
| | Remove |
| | |
| Enter any specific copybook extensions. Use comma or semicolon to separate multiple extensions (for example: cob;cbl;cpy;txt or cob,cbl,cpy,txt). | |
| Copybook file extensions: cbl;CPY | |
| O < Back Next > Finish | Cancel |

The file extensions for copybooks can also be entered. If no extensions are specified, the IDL Extractor for COBOL wizard will try to locate copybooks without any file extensions.

Choose Workspace... or File System... to browse for a folder.

Choose Finish.

Create New Remote Extractor Environment (z/OS)

This section describes the four steps for creating a new remote COBOL extractor environment to extract remotely z/OS COBOL programs stored in partitioned data sets or CA Librarian data sets.

- Step 1: Define the New Remote Environment
- Step 2: Define the Default Settings
- Step 3: Define the Remote Extractor Environment
- Step 4: Define the Remote Copybook Locations

Step 1: Define the New Remote Environment

On the **New Environment** page you can specify **Name**, **Operating system** and the **Remote Source Location**.

| 🖨 IDL Extractor fo | or COBOL 📃 🗖 🔀 |
|-----------------------------------------------------------|-----------------------------------------------------|
| New Environment Define a new COBOL | extractor environment. |
| COBOL Extractor En Nam <u>e</u> : Operating System: | vironment My_COBOL_Extractor_Environment z/O5 |
| Source Location | |
| 0 | < <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel |

> To define the new environment settings

- 1. Enter a unique name for the COBOL extractor environment.
- 2. Select the **Operating system**.
- 3. Select "Remote" for **Source location**.

Step 2: Define the Default Settings

The **Default Settings** page provides defaults for *Step 4: Define the Extraction Settings and Start Extraction* in *Using the IDL Extractor for COBOL - Overview*.

You can set defaults for Interface Type and COBOL to IDL Mapping.

| 🔁 IDL Extractor for COBOL | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Default Settings Define the default settings for the COBOL extractor environment. | | | |
| COBOL Extractor Environment Name: My_COBOL_Extractor_Environment | | | |
| COBOL Source Characteristics | | | |
| Operating System: z/OS | | | |
| Interface Type: CICS with DFHCOMMAREA calling convention | | | |
| IMS MPP message interface (IMS Connect) | | | |
| Transaction field length in C <u>O</u> BOL source; * 10 | | | |
| Ask for Transaction Name - specification at design time | | | |
| ○ Create I <u>D</u> L parameter for Transaction Name - specification at runtime | | | |
| IMS BMP with standard linkage calling convention | | | |
| IMS PSB List: Browse | | | |
| CICS with Channel Container calling convention | | | |
| Channel Name; EntireXChannel | | | |
| COBOL to IDL Mapping Map alphanumeric fields (PICTURE X, A, G, N) to Strings with variable length (Java, .NET, DCOM, C, Natural, SOAP, XML) Strings with fixed length (COBOL, PL/I) | | | |
| Map FILLER fields to IDL | | | |
| | | | |
| (?) < <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel | | | |

To define the default extraction settings

• See Step 2: Define the Default Settings in section Create New Local Extractor Environment (z/OS, z/VSE, BS2000/OSD and IBM i).

Press Next and continue with Step 3: Define the Remote Extractor Environment below.

Step 3: Define the Remote Extractor Environment

The connection to the Extractor Service to browse for COBOL programs is defined on the **Remote Extractor Environment** page. See *Extractor Service*.

| 🖨 IDL Extractor for COBOL | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Remote Extractor Environment | |
| Define an extractor service to extract remote COBOL sources from PDS or CA-Librarian datasets. Specify broker parameters and filter settings. | ⇒ ` |
| Broker Parameters Broker ID: * | |
| Server Address | |
| Timeout (Seconds): 60 | |
| EntireX Authentication RPC Server Authentication User ID: RPC User ID: Password: RPC Password: Filter Settings Use filter settings to restrict browsing with a dataset name (DSN), or high level qualifier (HLQ). Optionally, give member na Dataset Name or HLQ: * Member Name: | |
| | |
| Image: Section of the section of t | ¥ |

> To define the remote extractor environment

- 1. Under **Broker Parameters**, enter the required fields Broker ID and Server Address, which will have the default format brokerID@serverAddress. The last part (broker service) of the server address must always be "EXTRACTOR". The timeout value must be in the range 1-9999 seconds (default is 60).
- 2. The EntireX Authentication parameters describe the settings for the broker. See *Authentication of User*.
- 3. The **RPC Server Authentication** parameters describe the settings for the RPC server. See *Administering the Batch RPC Server* | *Administering the EntireX RPC Server under z/OS IMS*.
- 4. A high-level qualifier is required in the **Data Set Name or HLQ** field. The extractor service will then offer only data sets with this high-level qualifier.
- 5. In the **Member Name** field you can provide a prefix for the partitioned data set or CA Librarian members. The extractor service will then offer only members beginning with this prefix.

Press Next and continue with Step 4: Define the Remote Copybook Locations below.

Step 4: Define the Remote Copybook Locations

On the **Remote Copybook Location** page you can add PDS or CA Librarian data sets that will be used to resolve copybooks. Copybooks and members referenced with COPY statements and CA Librarian –INC statements will be searched for in the defined remote data sets:

| 🖨 IDL Extractor for COBOL | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--|--|--|
| Remote Copybook Locations | | | | | |
| Define remote PDS or CA Librarian data sets where the extractor service will search for copybooks (COPY statements) and include components (-INC statements). | | | | | |
| Data Sets | | | | | |
| List of PDS or CA Librarian data set names (DSNs): | | | | | |
| | Insert | | | | |
| | | | | | |
| | Down | | | | |
| | | | | | |
| | Kemove | | | | |
| | | | | | |
| ? <back next=""></back> | Einish Cancel | | | | |

Press **Insert...** to add a new data set entry in the table. Use **Remove**, **Up** and **Down** to manage the data set list.

Press Finish.

Create New Remote Extractor Environment (BS2000/OSD)

This section describes the four steps for creating a new remote COBOL extractor environment to extract remotely BS2000/OSD COBOL programs stored in LMS libraries.

- Step 1: Define the New Remote Environment
- Step 2: Define the Default Settings
- Step 3: Define the Remote Extractor Environment
- Step 4: Define the Remote Copybook Locations

Step 1: Define the New Remote Environment

On the **New Environment** page you can specify **Name**, **Operating system** and the **Remote Source Location**.

| • | DL Extractor fo | for COBOL | | | | | | |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------|--|--|--|--|--|
| N | New Environment Image: Second Secon | | | | | | | |
| | COBOL Extractor En | nvironment | | | | | | |
| | Nam <u>e</u> : | My_COBOL_Extractor_Environment | | | | | | |
| | Operating System: | B52000 | ~ | | | | | |
| | Source Location | | | | | | | |
| | <u>○ L</u> ocal | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | ? | < <u>B</u> ack <u>N</u> ext > Einish | Cancel | | | | | |

To define the new environment settings

- 1. Enter a unique name for the COBOL extractor environment.
- 2. Select the **Operating system**.
- 3. Select "Remote" for **Source location**.

Step 2: Define the Default Settings

The **Default Settings** page provides defaults for *Step 4: Define the Extraction Settings and Start Extraction* in *Using the IDL Extractor for COBOL - Overview*.

You can set defaults for Interface Type and COBOL to IDL Mapping.

| 🖨 IDL Extractor fo | r COBOL | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------|--|--|--|
| Default Settings Define the default settings for the COBOL extractor environment. | | | | | |
| COBOL Extractor En Name: My_COBOL | vironment _Extractor_Environment | | | | |
| COBOL Source Char Operating System: | acteristics BS2000 | | | | |
| Interface <u>T</u> ype: | BATCH with standard linkage calling convention | ~ | | | |
| COBOL to IDL Mapping Map alphanumeric fields (PICTURE X, A, G, N) to Strings with variable length (Java, .NET, DCOM, C, Natural, SOAP, XML) Strings with fixed length (COBOL, PL/I) | | | | | |
| Map FILLER fields | ; to IDL | | | | |
| 0 | < <u>B</u> ack <u>N</u> ext > <u>Finish</u> | Cancel | | | |

To define the default extraction settings

- 1. Select the default Interface Type. See Supported COBOL Interface Types.
- 2. Specify the default COBOL to IDL Mapping. See COBOL to IDL Mapping.

Press Next and continue with Step 3: Define the Remote Extractor Environment below.

Step 3: Define the Remote Extractor Environment

The connection to the Extractor Service to browse for COBOL programs is defined on the **Remote Extractor Environment** page. See *Extractor Service* in the BS2000/OSD Batch RPC Server documentation.

| 🚔 IDL Extractor for COBOL | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Remote Extractor Environment | | |
| Define an extractor service to extract remote COBOL sources from LMS libraries. Specify broker parameters and filter | | |
| Broker Parameters Broker ID: * Server Address * Timeout (Seconds): 60 | | |
| EntireX Authentication RPC Server Authentication User ID: RPC User ID: Password: RPC Password: | | |
| Filter Settings Use filter settings to restrict browsing with a LMS library name, or high level qualifier (HLQ). Optionally, give element (5) name. | | |
| LMS Library Name or HLQ: * | | |
| Element (S) Name: | | |
| | | |
| Image: Section of the section of t | | |

To define the remote extractor environment

- 1. Under **Broker Parameters**, enter the required fields Broker ID and Server Address, which will have the default format brokerID@serverAddress. The last part (broker service) of the server address must always be "EXTRACTOR". The **Timeout** value must be in the range 1-9999 seconds (default is 60).
- 2. The **EntireX Authentication** parameters describe the settings for the broker. See *Authentication of User*.
- 3. The **RPC Server Authentication** parameters describe the settings for the RPC server. See *Configuring the RPC Server*.
- 4. A high-level qualifier can be entered in the LMS Library Name or HLQ field. The extractor service will then offer only LMS libraries with this high-level qualifier. You can use wildcard notation with asterisk to specify a range of values.
- 5. In the **Element Name** field you can provide a prefix for LMS library source elements. The extractor service will then offer only COBOL programs beginning with this prefix.

Press Next and continue with Step 4: Define the Remote Copybook Locations below.

Step 4: Define the Remote Copybook Locations

On the **Remote Copybook Location** page you can add directories that will be used to resolve copybooks. Copybooks referenced with COPY statements will be searched for in the defined remote LMS libraries:

| 🖨 IDL Extractor for COBOL | |
|------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Remote Copybook Locations Define remote LMS libraries where the extractor service will search for copybooks (COPY statements). | ł |
| LMS Libraries List of LMS library names: | |
| | Insert |
| ⑦ < Back | Cancel |

Press **Insert...** to add a new data set entry in the table. Use **Remove**, **Up** and **Down** to manage the list of LMS libraries.

Press Finish.