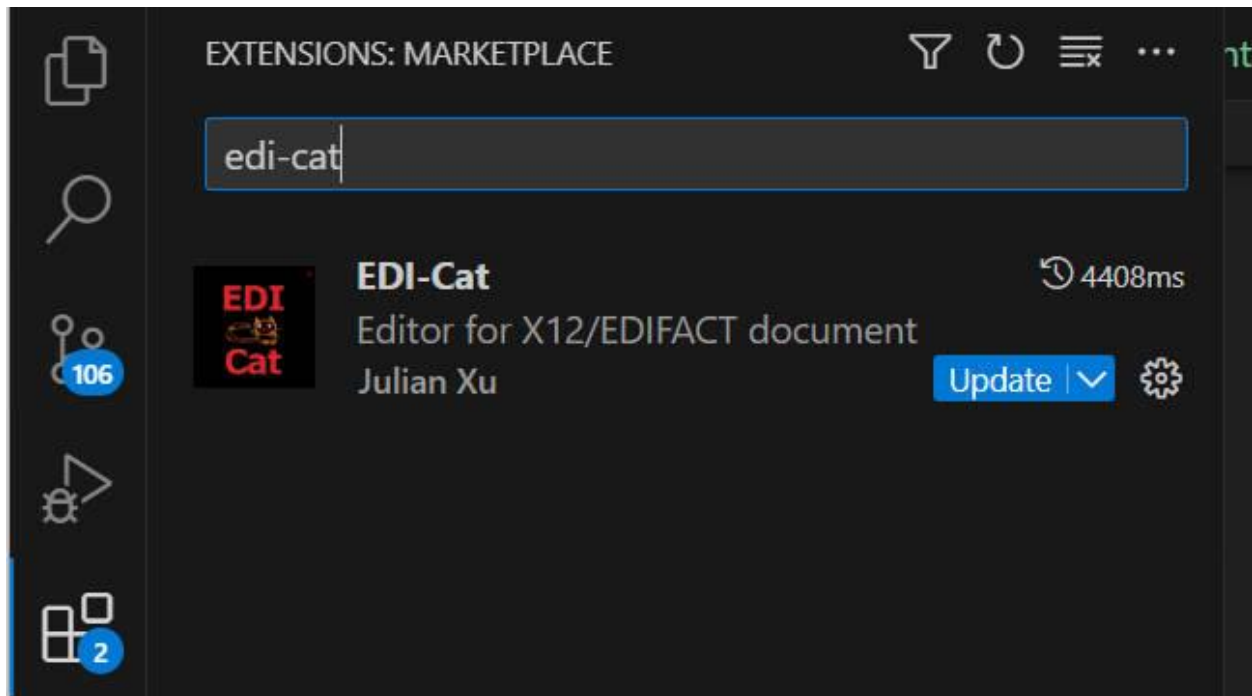


EDI-Cat README

AN EDIFACT/X12 file viewer, formatter, converter.

Install

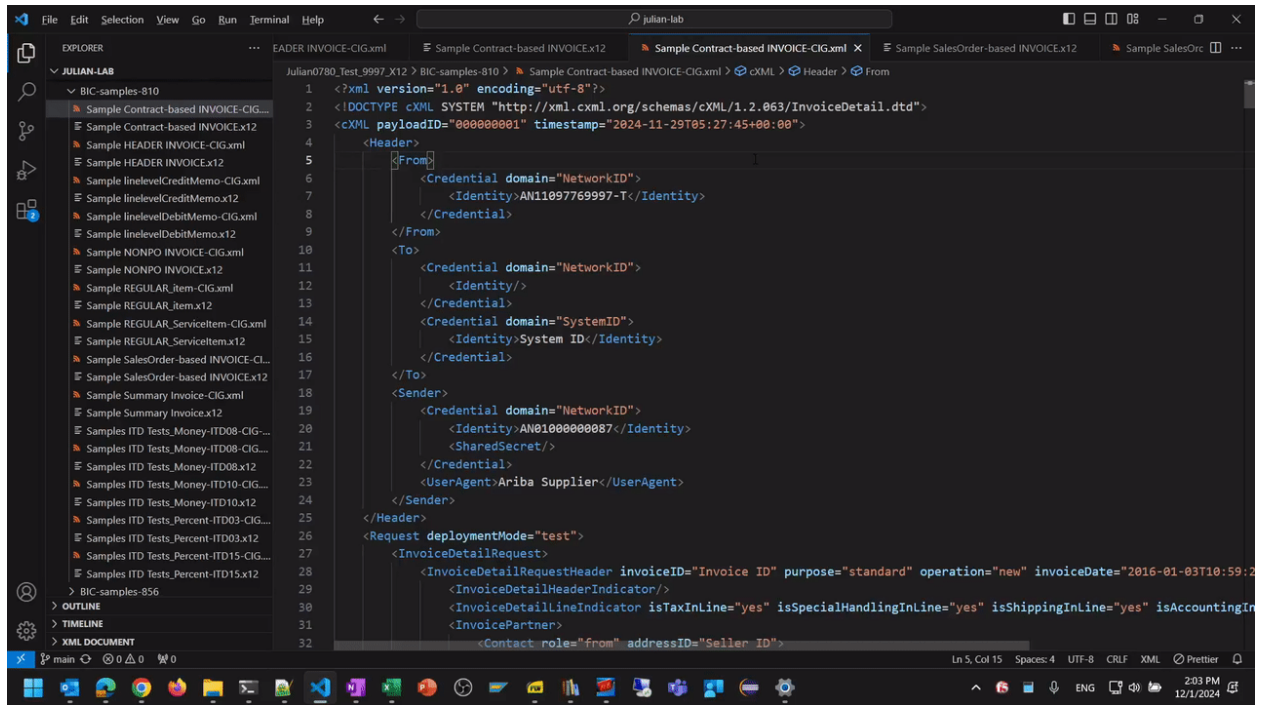
It's a VSCode Extension, search this extension and install it.



Features

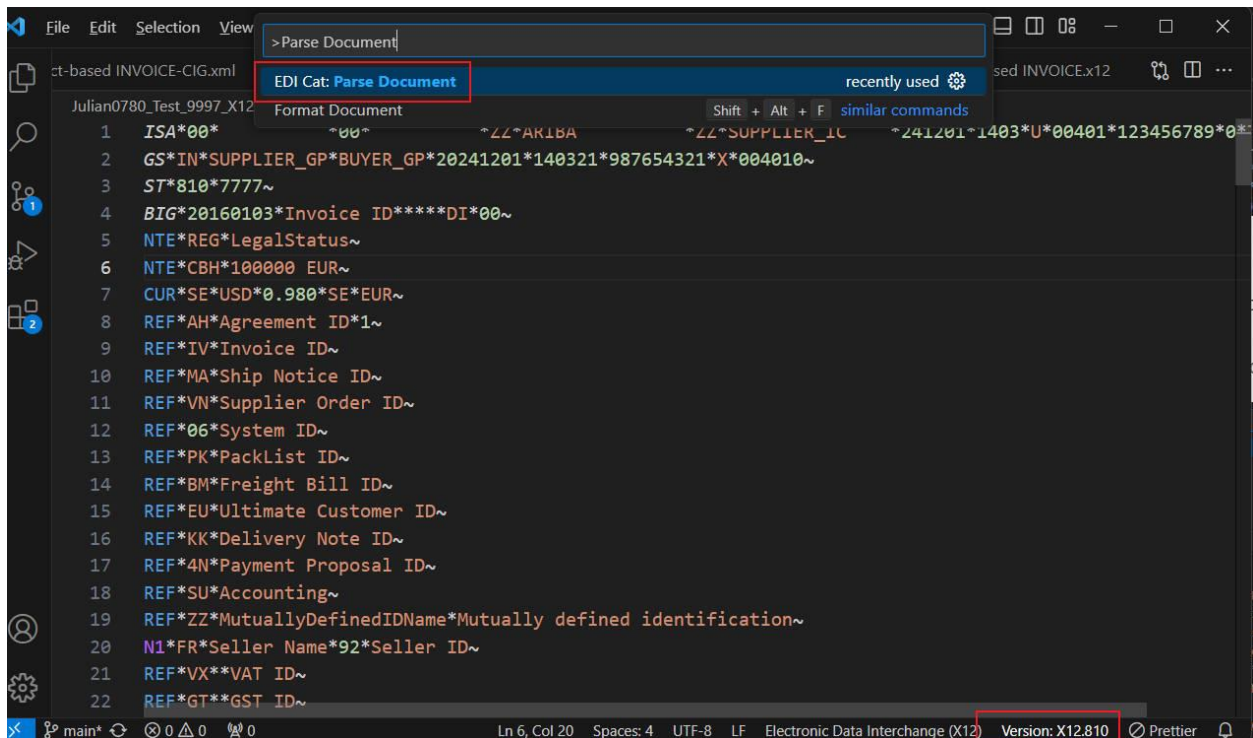
Convert from cXML to X12 or EDIFACT D96A

1. Open a cXML (OrderConfirmation, ASN, Invoice)
2. Make sure there is no xml syntax and DTD validation error. (Recommend you to install other extension to check XML)
3. Use menu "View->Command Palette", then find command "EDI Cat: Convert to ..."
4. Then use menu cXML_to_X12 or cXML_to_EDIFACT_D96A

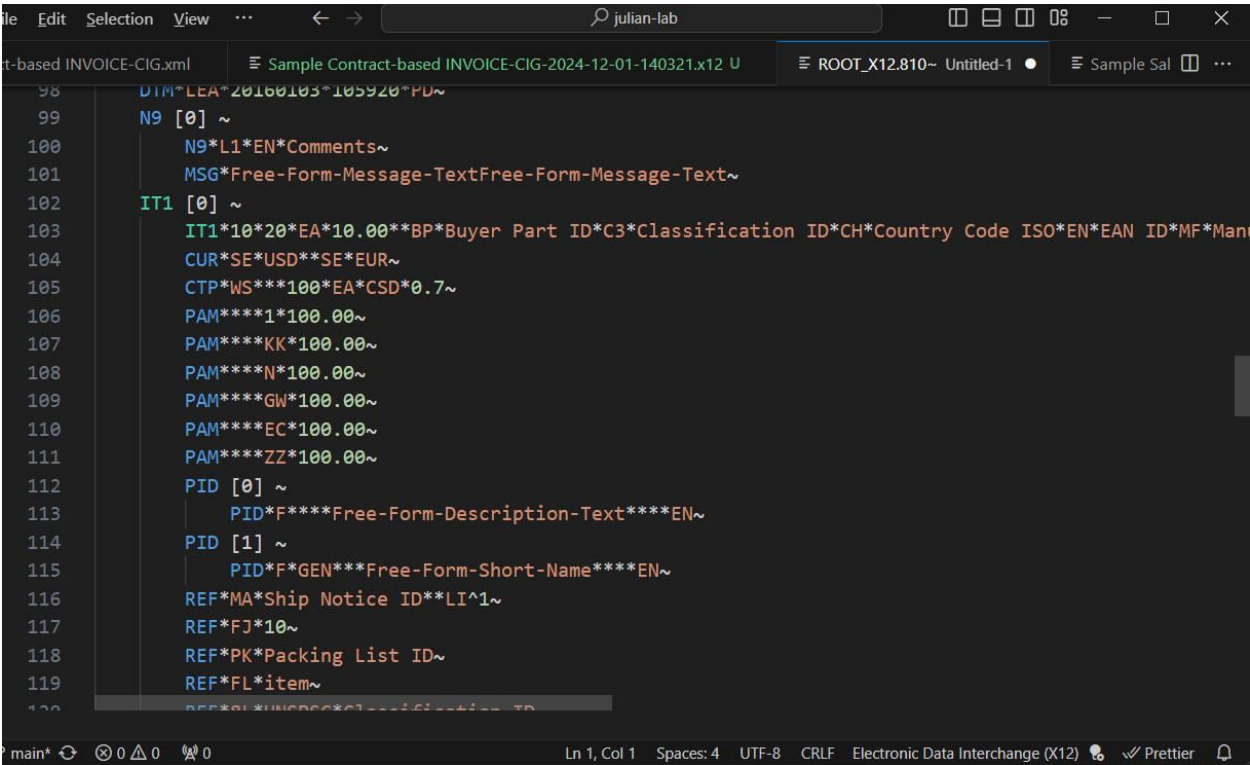


Parse Document

Make sure document version correctly recognized and there is no validation error. Use menu "View->Command Palette..." and search for "Parse Document".



after executing this command, the structure of the file displays. You still can hover to key element to see details.



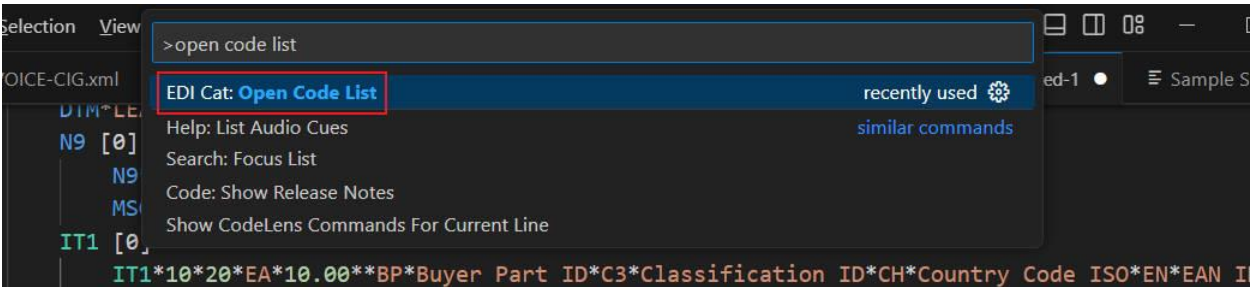
The screenshot shows a VS Code editor window with a dark theme. The file name is 'Sample Contract-based INVOICE-CIG-2024-12-01-140321.x12 U'. The editor displays an EDI file structure with the following content:

```
98 DTM*LEA*20160103*105920~
99 N9 [0] ~
100 N9*L1*EN*Comments~
101 MSG*Free-Form-Message-TextFree-Form-Message-Text~
102 IT1 [0] ~
103 IT1*10*20*EA*10.00**BP*Buyer Part ID*C3*Classification ID*CH*Country Code ISO*EN*EAN ID*MF*Man
104 CUR*SE*USD**SE*EUR~
105 CTP*WS***100*EA*CSD*0.7~
106 PAM****1*100.00~
107 PAM****KK*100.00~
108 PAM****N*100.00~
109 PAM****GW*100.00~
110 PAM****EC*100.00~
111 PAM****ZZ*100.00~
112 PID [0] ~
113 PID*F***Free-Form-Description-Text***EN~
114 PID [1] ~
115 PID*F*GEN***Free-Form-Short-Name***EN~
116 REF*MA*Ship Notice ID*LI^1~
117 REF*FJ*10~
118 REF*PK*Packing List ID~
119 REF*FL*item~
120 REF*EX*UNSPC*Classification ID~
```

The status bar at the bottom shows 'Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Electronic Data Interchange (X12)' and 'Prettier'.

Syntax Check

Extension can detect file version automatically and display it on right-bottom of window. Usually the color is normal white, but if it's yellow, it means user need to click there to help it decide the version.



The screenshot shows a VS Code editor window with a dark theme. The file name is 'Sample Contract-based INVOICE-CIG-2024-12-01-140321.x12 U'. The editor displays an EDI file structure. A command palette is open, showing the command '>open code list'. The command 'EDI Cat: Open Code List' is highlighted. The status bar at the bottom shows 'Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Electronic Data Interchange (X12)' and 'Prettier'.

It can do Control Number check

```

2  UNB+UNOC:3+SenderID:ZZZ+ReceiverID:ZZZ+160104:0930+21+++++1'
3  UNH+5+ORDERS:D:96A:UN'
4  BGM+220:::Purchase Order+Purchase Order ID+9+AB'
5  DTM+4:201601040930:203'
6  FTX+AAI+++TEXT 1:TEXT 2:TEXT 3:TEXT 4:TEXT 5+EN'
7  FTX+PRI+++1:Priority Description:Purchase Order ID 1'
8  FTX+DOC++EXT+PO:Description'
9  FTX+SIN+++OCValue:allowed'
10 RFF+ON:Purchase Order ID'
11 LIN+++Component Part ID:AB+1:10++A'
12 PIA+5+Buyer Component Part ID:BP+Supplier Component Part ID:VN'
13 IMD+F++:::Component Description 1:Component Description 2:EN'
14 QTY+21:100:C62'
15 DTM+318:201601021010:203'
16 RFF+AAN:::1'
17 RFF+ACJ:reworkTo'
18 PAC+0+++A:batchInformation'
19 QTY+21:100:C62'
20 DTM+36:201701041010:203'
21 RFF+BT:US:::P1Y10M1DT100H10M2S'
22 PCI+10'
23 GIN+BX+Buyer Batch ID1:92+Supplier Batch ID1:91'
24 UNT+22+5'
25 UNZ+1+20'

```

PROBLEMS 2

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

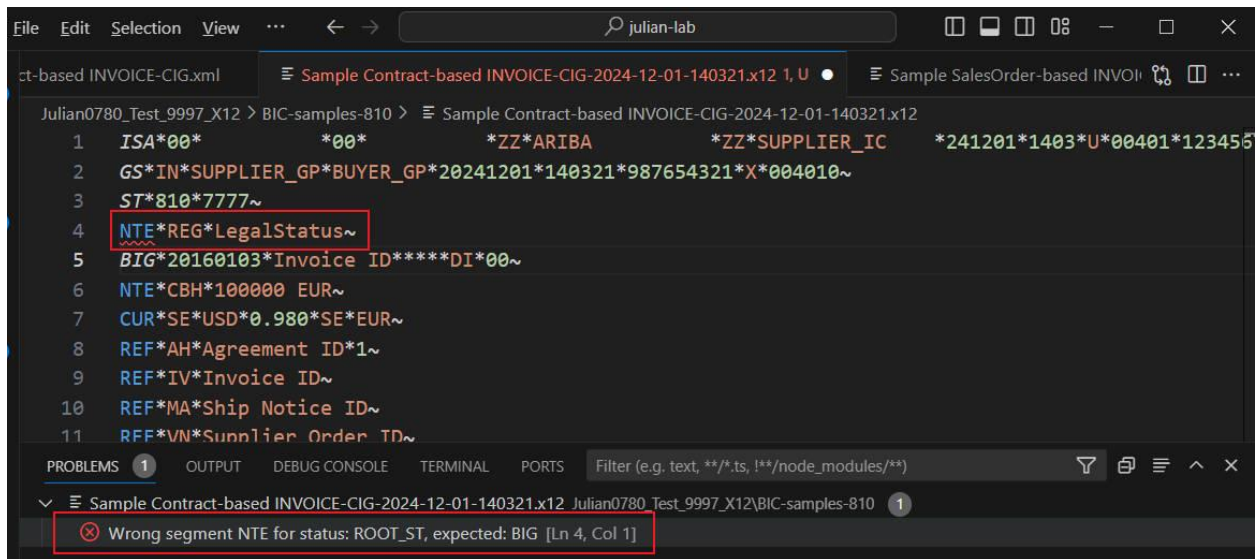
Filter (e.g.

ORDERS.edi docs\demo_file 2

⊗ Interchange control reference must be identical for UNB and UNZ [Ln 2, Col 51]

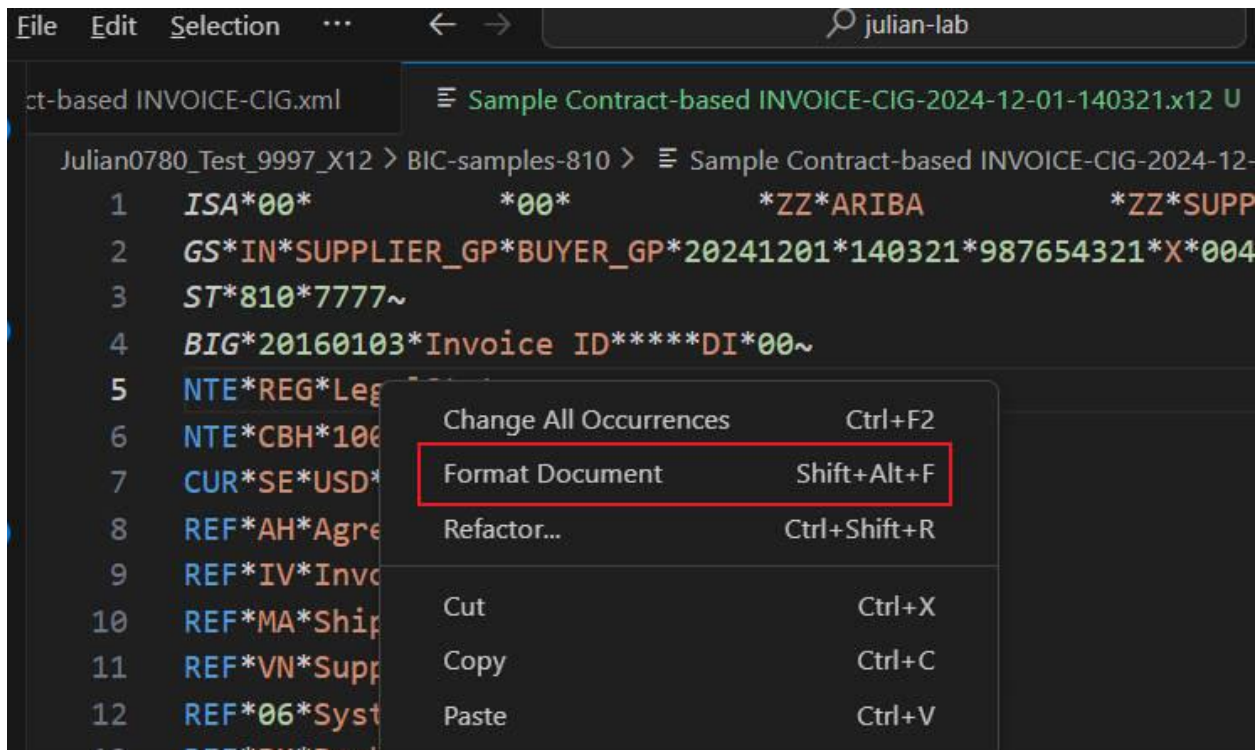
⊗ Interchange control reference must be identical for UNB and UNZ [Ln 25, Col 6]

Or Syntax Check, below is example when NTE segment is deliberately put before BIG segment, which caused an error.



Format Document

For .xml or .x12 .edi .edifact File, right click on the content, There is a context menu "Format Document" to help you format this document.



Hover for detail

Mouse hover to some fields like Currency, Country, UoM, Timezone, it will show you the detail meaning of the value.

```
NVOICE-CIG.xml
Julian0780_Tes
A9: Customer Service
AP: Buyer Master Account
44 N4*
45 N1* B4: Buyer Corporate
46 N2*
47 N3* BF: Billed From
48 N4* BK: Receiving Correspondent Bank
49 N1*
50 N2* BT: Bill-to-Party
51 N3*
52 N4* BY: Buying Party (Purchaser)
53 N1* BT*Bill-To Name*92*Bill-To ID~
54 N2*Bill-To Addr Name 1*Bill-To Addr Name 2~
55 N3*Bill-To Street 1*Bill-To Street 2~
```

Some fields need a list to explore, you can click the link for details

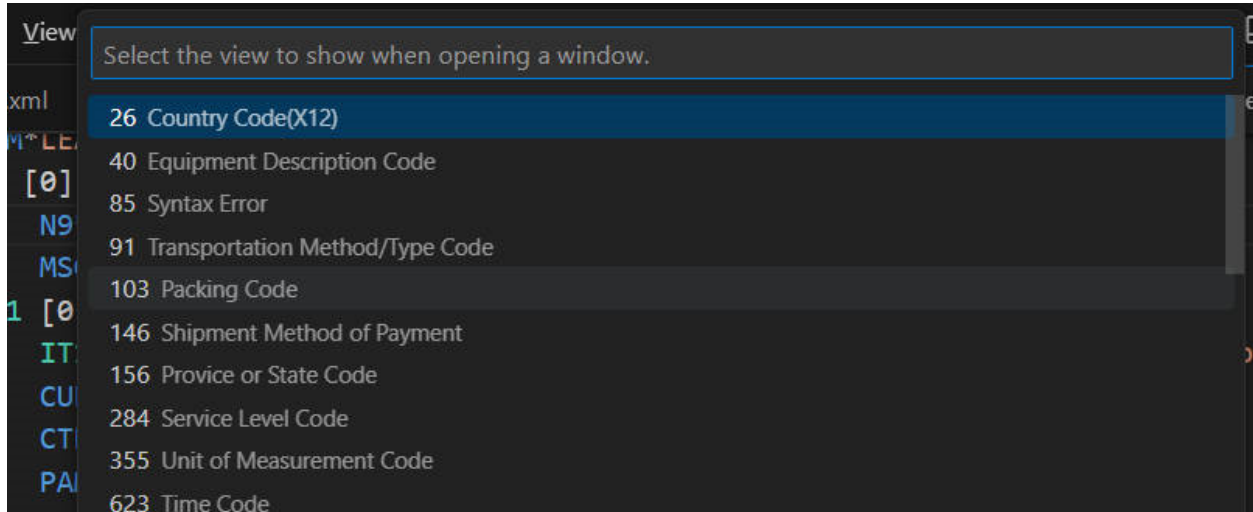
```
40 TD5*Z*ZZ*Shipping~
41 TD4*ZZZ***Carrie MEA0401 (Element)
42 P01*10*100*EA*0. Id 355
43 CUR*BY*USD*0.900
44 P03*ZZ***ST*100
45 CTP*WS***100*EA* Code specifying the units in which a value is being expressed, or manner in which a
46 CTP*TR*MAX*100. measurement has been taken. Please refer to APPENDIX - CODELISTS 355 Unit or Basis for
47 CUR*BY*USD*0.9*S Measurement Code [UOM]
48 MEA*PD*G*100.00*KG~
49 PID*F*GEN***Free-Form-Description-Text****EN~
50 PID*F*93***Shipping Instruction Text****EN~
```

Code List

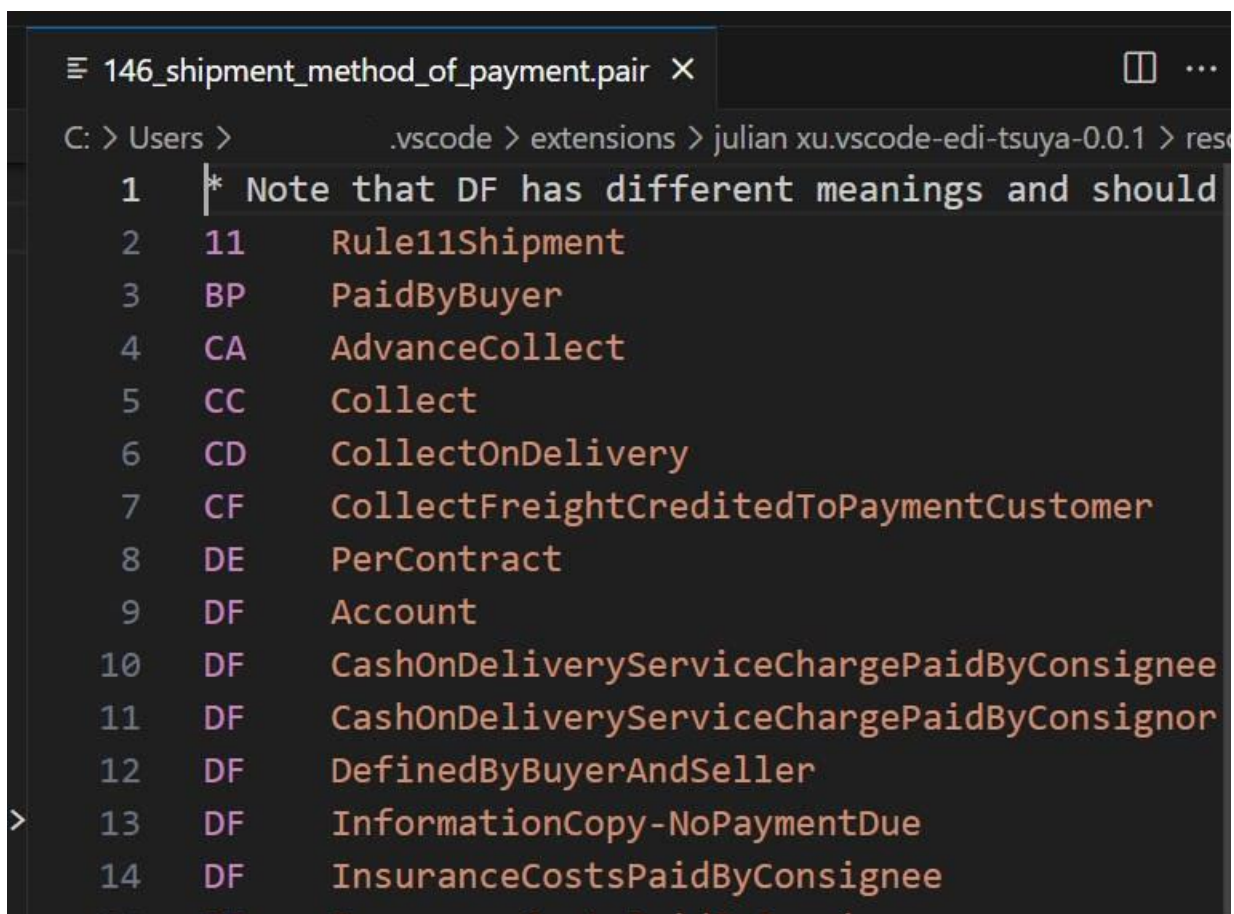
Use menu "View->Command Palette..." and search for "Open Code List",

```
Selection View
>open code list
EDl Cat: Open Code List recently used
Help: List Audio Cues similar commands
Search: Focus List
Code: Show Release Notes
Show CodeLens Commands For Current Line
IT1 [0]
IT1*10*20*EA*10.00**BP*Buyer Part ID*C3*Classification ID*CH*Country Code ISO*EN*EAN I
```

after executing this command, you have option to select the code list you want to view.

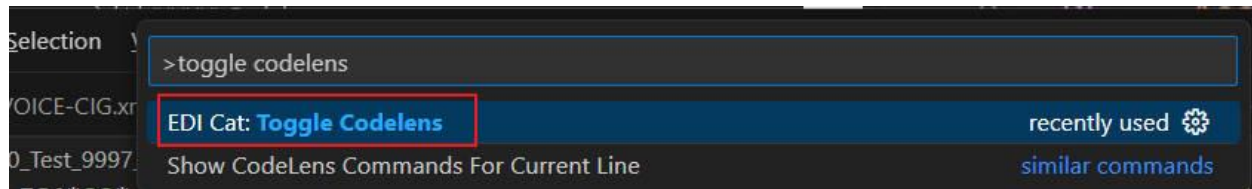


Code List display:

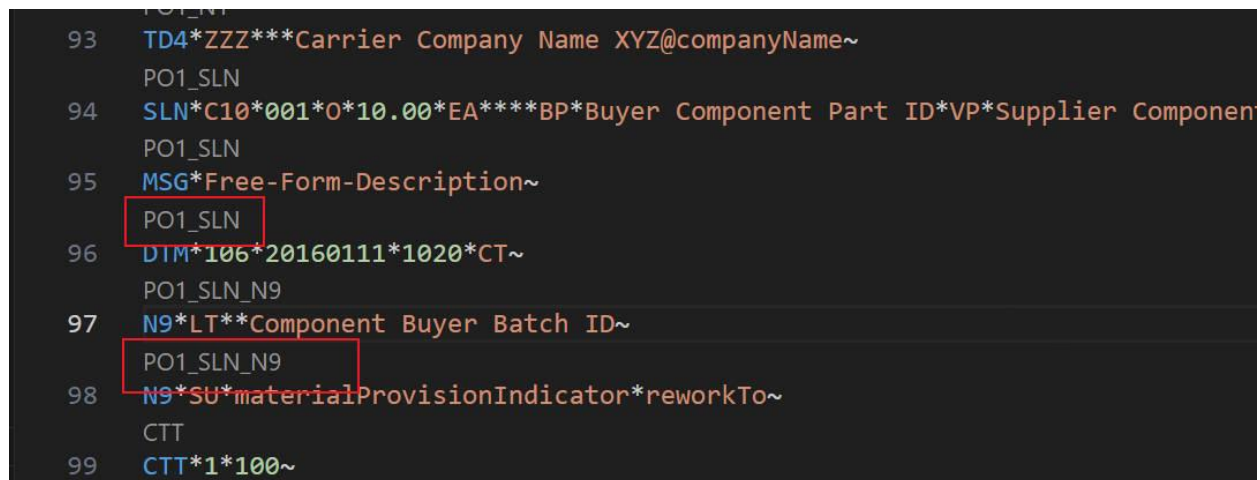


CodeLens

Make sure document version correctly selected and there is no syntax error. Use menu "View->Command Palette..." and search for "Toggle Codelens".



after executing this command, the group of every segment is shown in Codelens. No group means it's under ROOT group.



If you feel it's disturbing, re-run this command to disable Codelens.

Requirements

Make sure the file extension is .x12, .edi or .edifact. For .txt, it will detect the file type and apply corresponding syntax color.

Known Issues

1. Delimiters like '~', '*', '+', '>' is hard-coded to recognize x12 and EDIFACT structure. Please make sure you are using delimiters shown in screenshots of this README.
2. The purpose of this product is to reduce workload on creating Supplier side EDI documents. So it may lack of functions for Buyer to use.

3. This extension use '-' as delimiter for splitting numbers(Country, District) inside Telephone/Fax number, so the result may not be expected. Manually fix it if you find this part of result is weird.
4. When there is '?' acting as escape-char in EDIFACT, related syntax highlight may appear strange. This will not affect other functions.
5. When converting cXML -> x12, the package info of [PackagingLevelCode = 0003] is not included. Let me know the real business case and I will try to add the conversion.
6. For X12 810 Extrinsic, taxFormCode, agencyLocationCode, customerReferenceNo, taxExchangeCode, clientNumber, accountNumber HAVE THEIR OWN quaulfier so WILL NOT be converted to REF*ZZ. Let me know if you want to change the behavior.
7. EDIFACT DESADV conversion, need to manually adjust for cXML XPath 'Packaging/PackagelD/GlobalIndividualAssetID'
8. EDIFACT DESADV PACKAGING conversion, the generated EDI will contain RFF+ON info under LIN segement when there are multiple related POs, which is correct. But somtimes you cannot get expected cXML when converting it back to cXML using other software. You need to consult THIS software's support.
9. X12 856, 'Packaging/ShippingMark' is out of scope.
10. Timezone 'IST' may not work in both X12 and EDIFACT

Future

Add more formats and more conversion functions

Enjoy! Help rate it in Extension Marketplace so more people can enjoy it. Thanks.