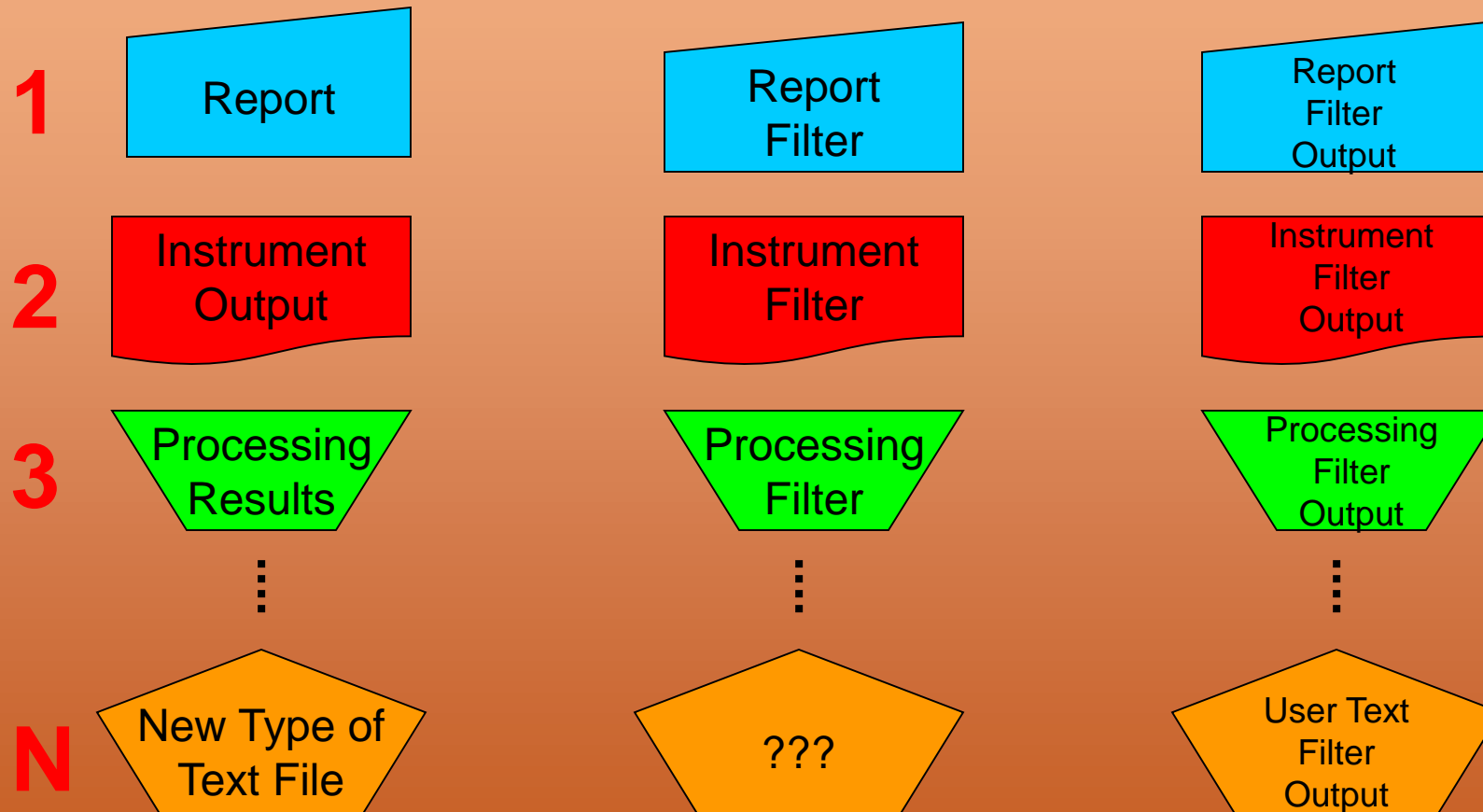


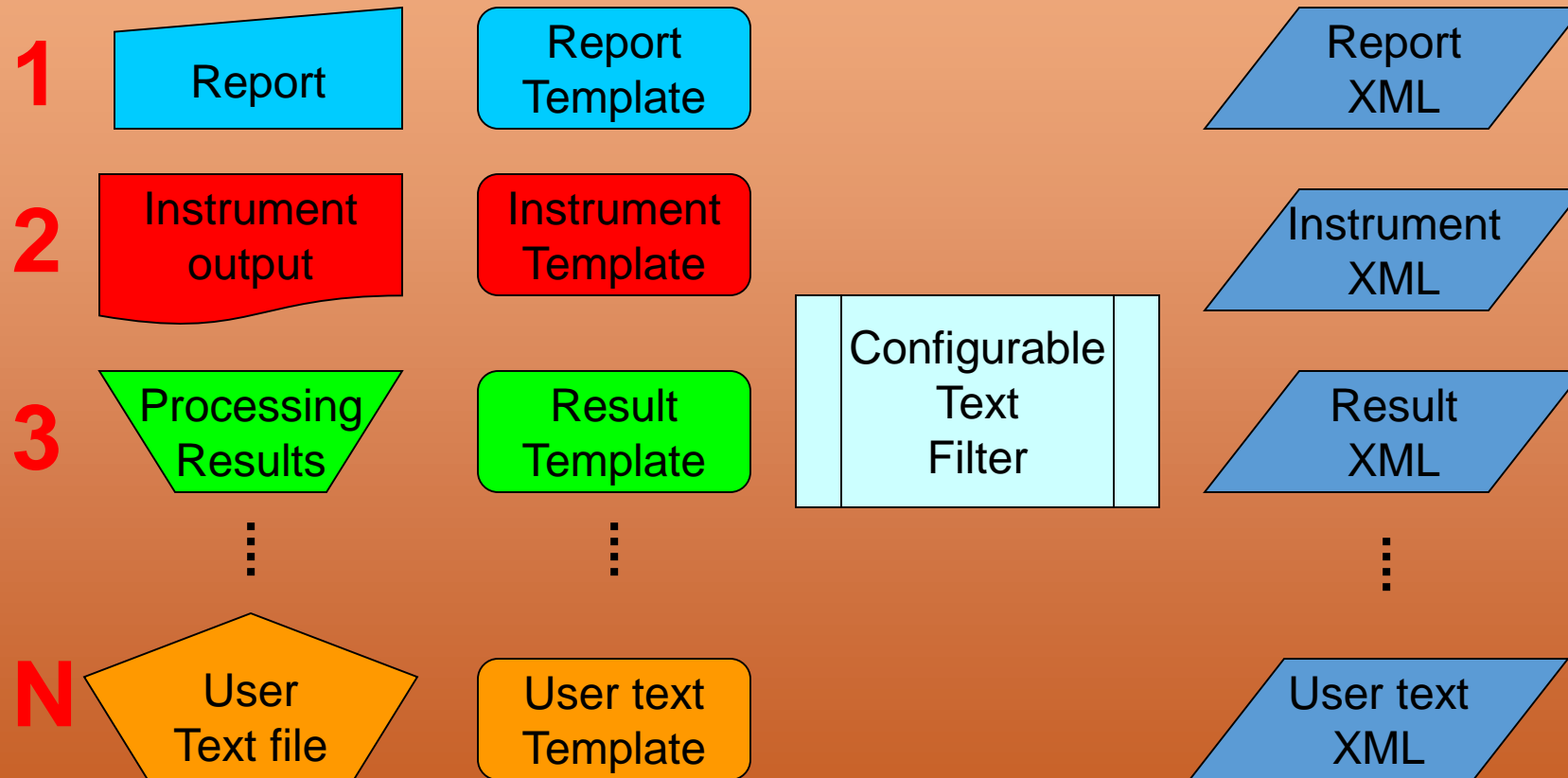
Processing Text Files With Configurable Text Filter



Specific filter for each text file type



One filter for all text files



Specific Filter

Advantages

- Best fit
- Ready to use

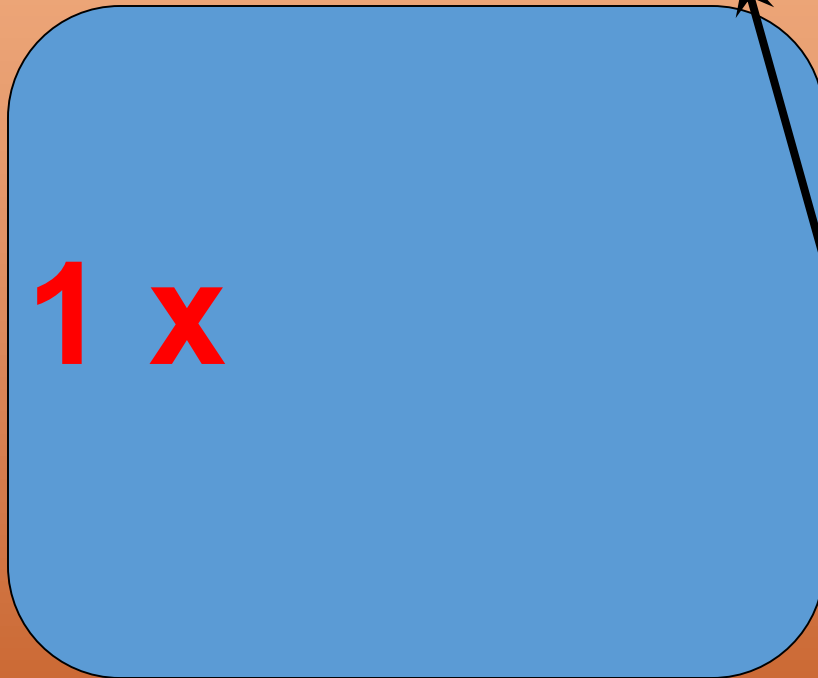
Drawbacks

N x



Configurable Filter

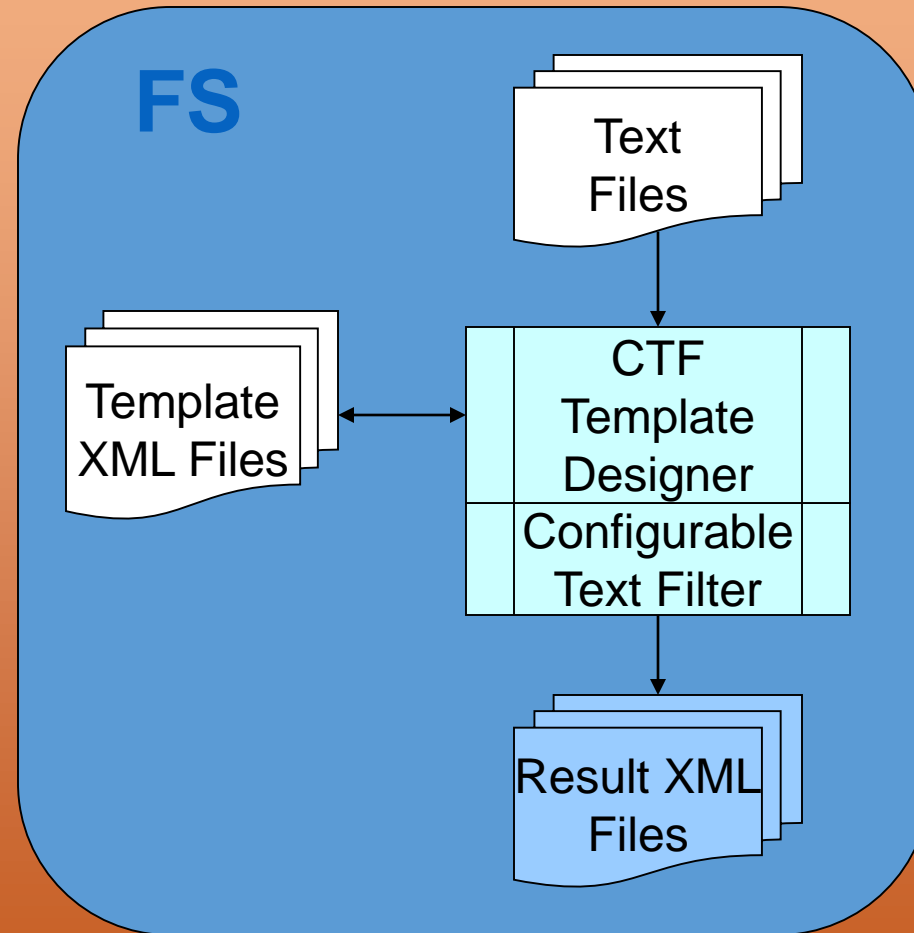
Advantages



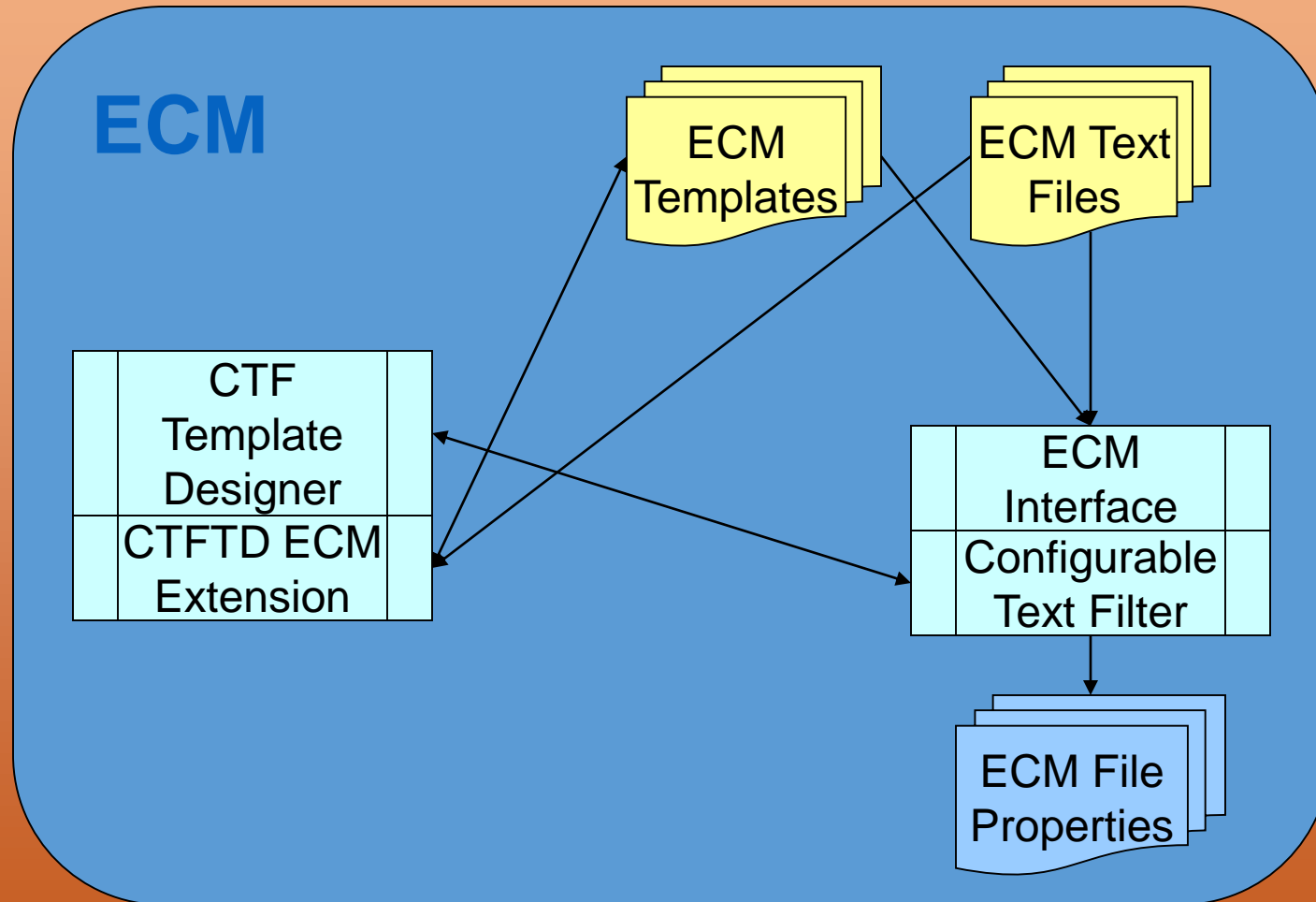
Drawbacks

- Good fit
- Must be configured

File System Configuration



ECM Configuration



CTF Template Designer

Menu

Toolbar

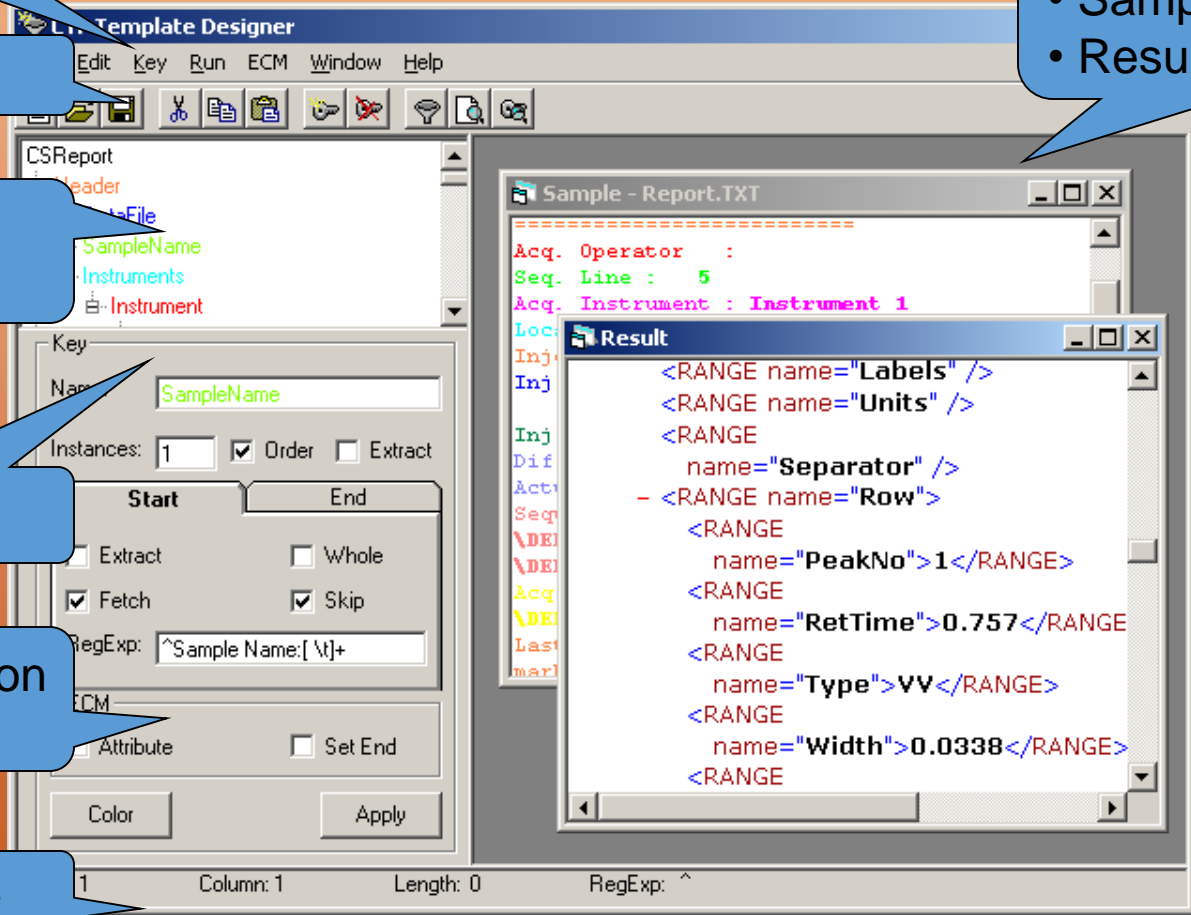
Template Editor

Key Editor

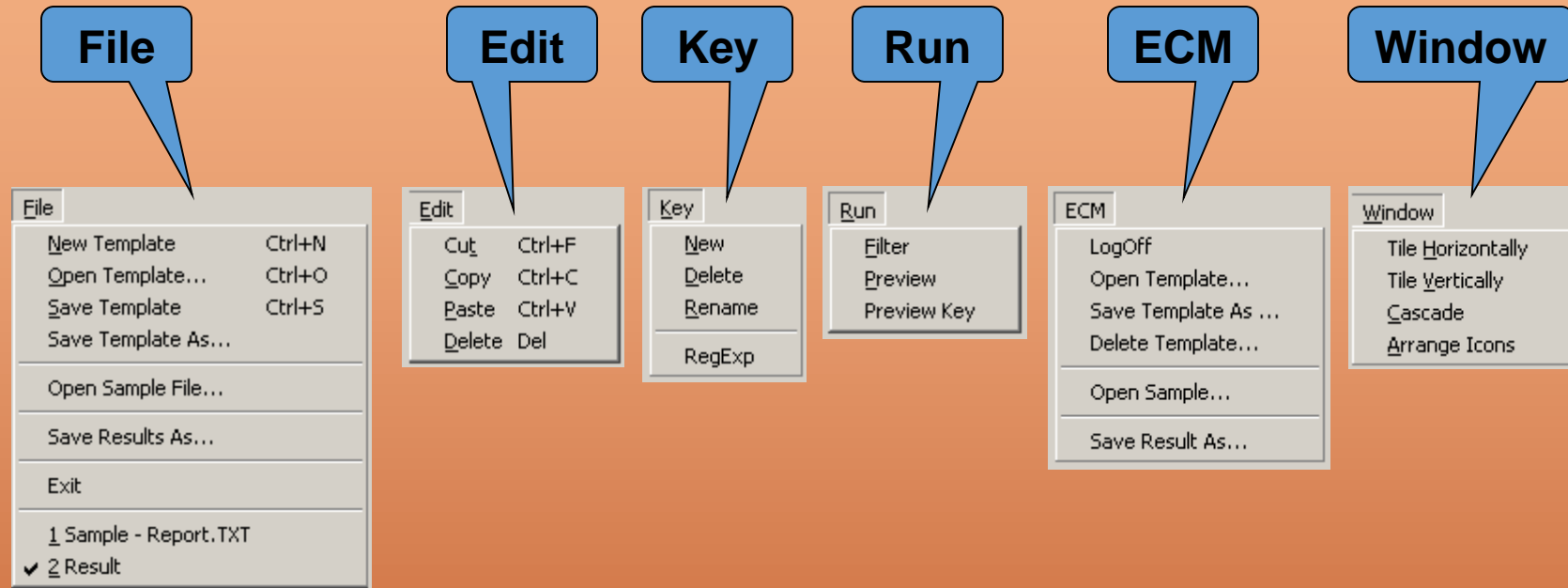
ECM Extension

Status Line

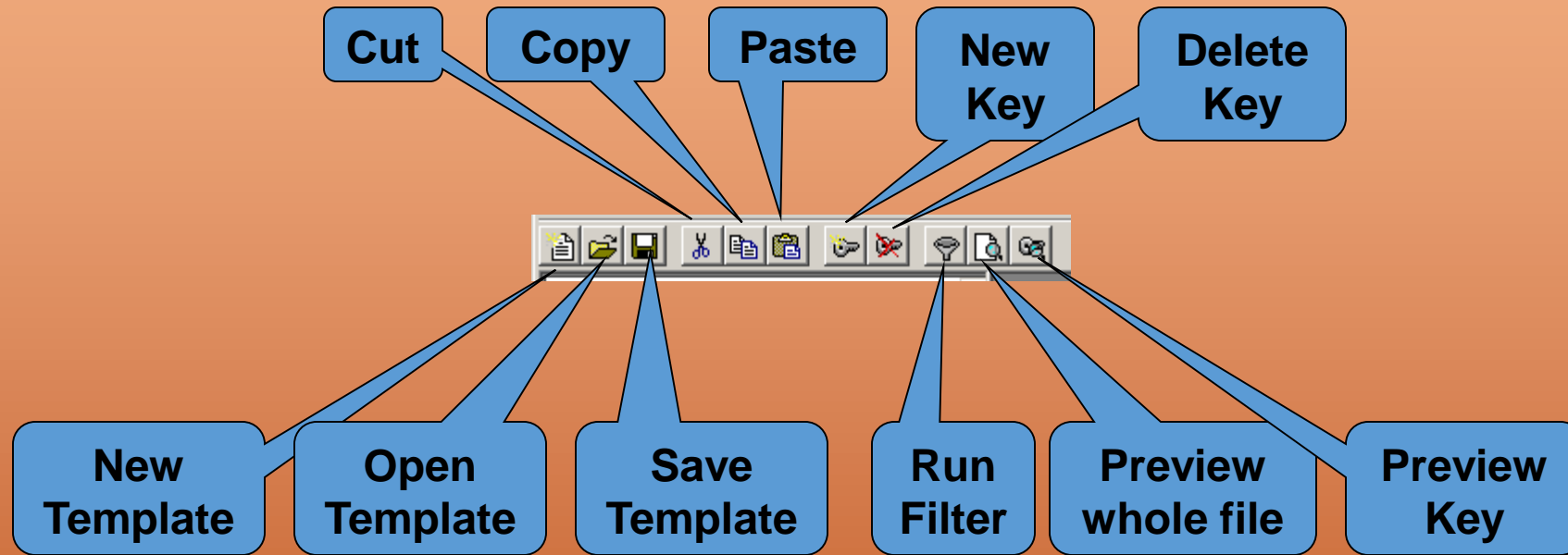
This pane contains:
• Sample files
• Result files



Menus



Toolbar



Key Editor

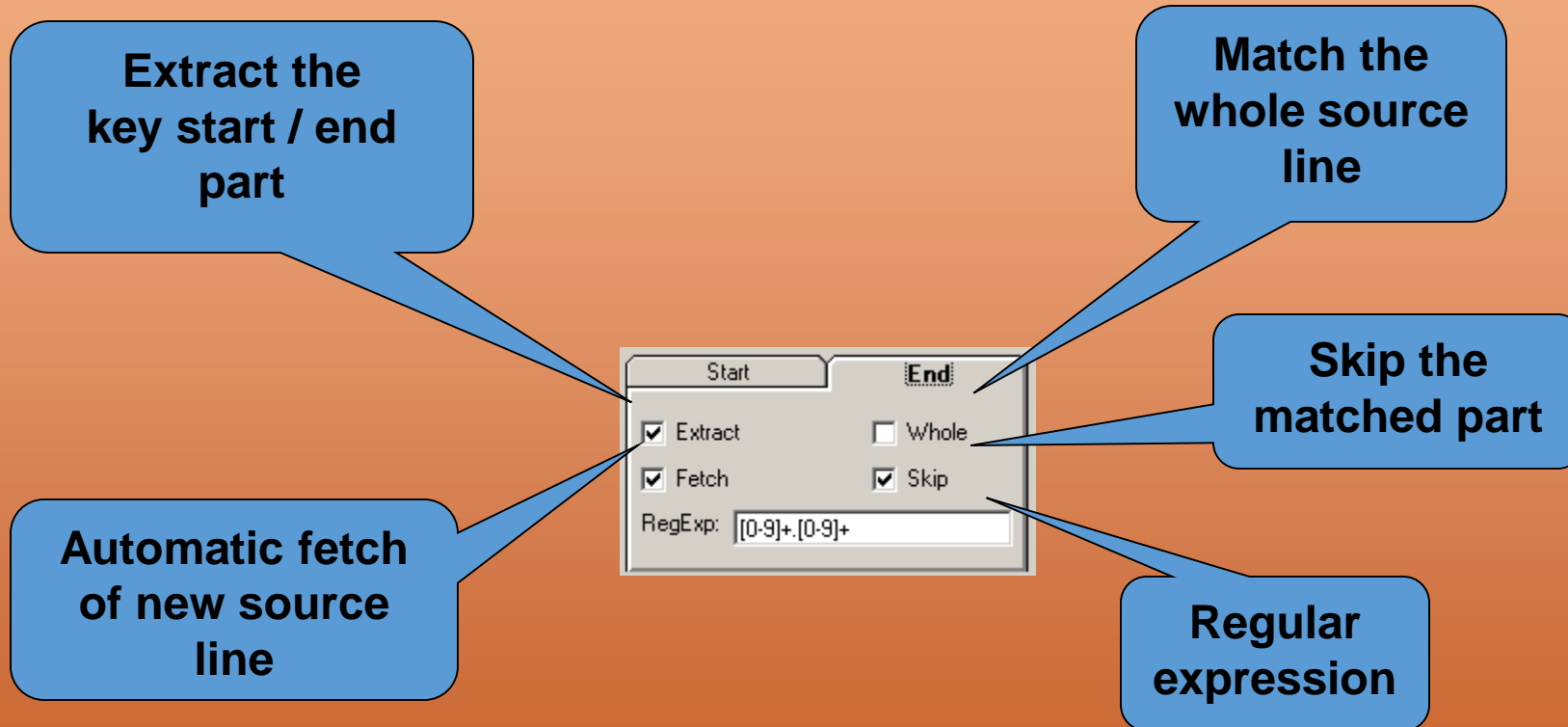
The image shows a 'Key Editor' dialog box with several callout boxes pointing to specific features:

- Key name**: Points to the 'Name' field containing 'Width'.
- Order of keys is important**: Points to the 'Order' checkbox, which is checked.
- Extract the key mid part**: Points to the 'Extract' checkbox, which is unchecked.
- Key start / end definition**: Points to the 'Start' and 'End' tabs, with 'End' selected.
- Number of instances:** Points to the 'Instances' field (set to 1) and the 'Order' checkbox. A legend is provided:
 - * Zero or more
 - + One or more
 - n Exactly n
 - n, n or more
 - m,n From m to n
- Key is ECM attribute**: Points to the 'Attribute' checkbox, which is unchecked.
- Key ends an ECM set**: Points to the 'Set End' checkbox, which is unchecked.
- Select key color**: Points to the 'Color' button.
- Apply changes**: Points to the 'Apply' button.

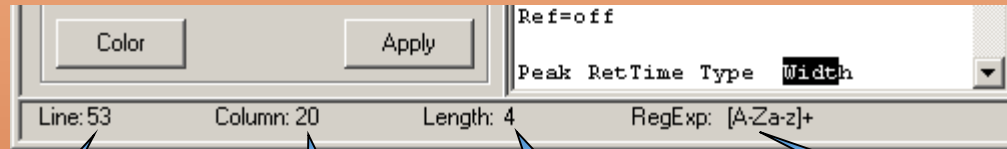
The dialog box itself contains the following fields and options:

- Name: Width
- Instances: 1
- Order:
- Extract:
- Start tab: Extract, Whole, Fetch, Skip
- End tab: Whole, Skip
- RegExp: [0-9]+.[0-9]+
- ECM: Attribute, Set End
- Buttons: Color, Apply

Key Start & End Definition



Status line



**Source
line**

**Source
column**

**Length of
the selected
text**

**Proposed regular
expression for
the selected text**

Key Preview

1. Select key for preview

2. Start key preview

3. Preview of selected key:

- Key range is underlined
- Key range is color coded
- Extracted text is bold

The screenshot shows the Epiatech software interface. On the left, a list of keys is visible, with 'Width' selected. A dialog box titled 'Key' is open, showing the 'Name' field set to 'Width'. The 'Instances' field is set to '1'. The 'Start' and 'End' tabs are selected. The 'Extract' checkbox is checked, and the 'Fetch' checkbox is also checked. The 'RegExp' field contains the pattern '[0-9]+.[0-9]+'. The 'ECM' section has 'Attribute' and 'Set End' checkboxes. The 'Color' and 'Apply' buttons are at the bottom of the dialog. The main window displays a data table with columns: Peak #, RetTime [min], Type, Width [min], Area [mAU], Height [mAU], and Area %. The 'Width' column values are underlined and color-coded (magenta). The extracted values are bolded. The table data is as follows:

Peak #	RetTime [min]	Type	Width [min]	Area [mAU]	Height [mAU]	Area %
1	0.757	VV	<u>0.0338</u>	6.56879	2.56900	0.0954
2	0.895	VV	<u>0.0478</u>	13.77392	4.14381	0.2000
3	1.294	BV	<u>0.0327</u>	1514.37329	716.18848	21.9855
4	1.475	VB	<u>0.0482</u>	13.78504	4.10524	0.2001
5	1.731	BB	<u>0.0415</u>	1389.04688	530.76501	20.1660
6	3.449	BB	<u>0.0687</u>	1657.45056	373.78391	24.0627
7	6.667	BB	<u>0.1334</u>	2293.05151	266.55844	33.2903
Totals :				6888.04999	1898.11390	

At the bottom of the dialog, the status bar shows: Line: 52, Column: 20, Length: 0, RegExp: [0-9]+.[0-9]+

Preview

1. Star preview

CTF Template Designer - [Sample - Report.TXT]

File Edit Key Run ECM Window Help

Units

- Separator
- Row
 - PeakNo
 - RetTime
 - Type
 - Width
 - AreaAbs
 - Height
 - AreaRel
- Totals

Key

Name:

Instances: Order Extract

Start End

Extract Whole

Fetch Skip

RegExp:

ECM

Attribute Set End

Color Apply

Sorted By : Sig
Multiplier : 1.0
Dilution : 1.0
Use Multiplier & Dilution Factor

Signal 1: DAD1 A, Sig=254,4 Ref=

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	H	%
1	0.757	VV	0.0338	6.56900	2.56900	0.0954
2	0.895	VV	0.0478	13.13800	4.14381	0.2000
3	1.294	BV	0.0327	137.37329	716.18848	21.9855
4	1.475	VB	0.0402	13.78504	4.10524	0.2001
5	1.731	BB	0.0415	1389.04688	530.76501	20.1660
6	3.449	BB	0.0687	1657.45056	373.78391	24.0627
7	6.667	BB	0.1334	2293.05151	266.55844	33.2903
Totals :				6888.04999	1898.11390	

*** End of Report ***

Line:1 Column:1 Length:0 RegExp: ^

2. Preview of the whole file:

- Key ranges are color coded
- Extracted text is bold

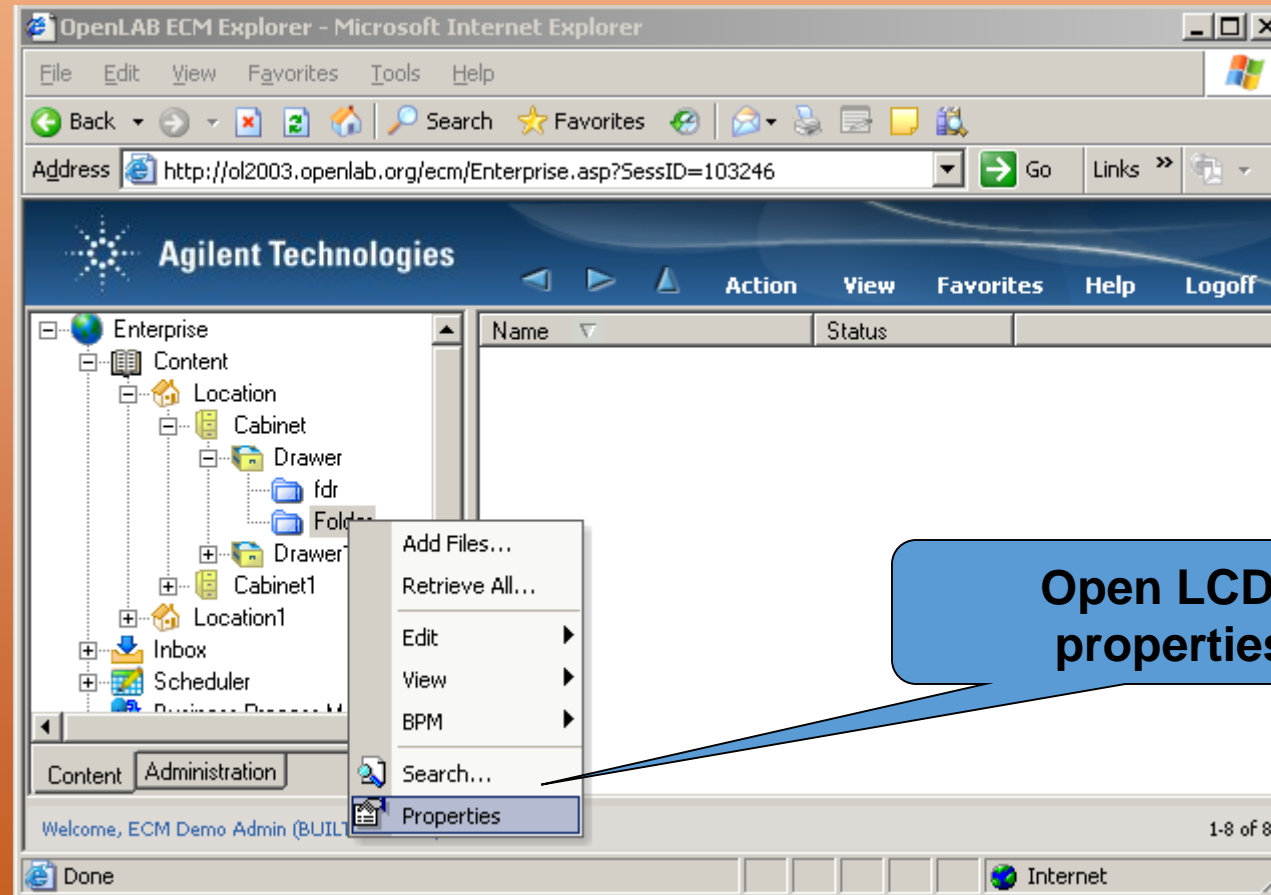
Filtering results as XML file

1. Run Filter

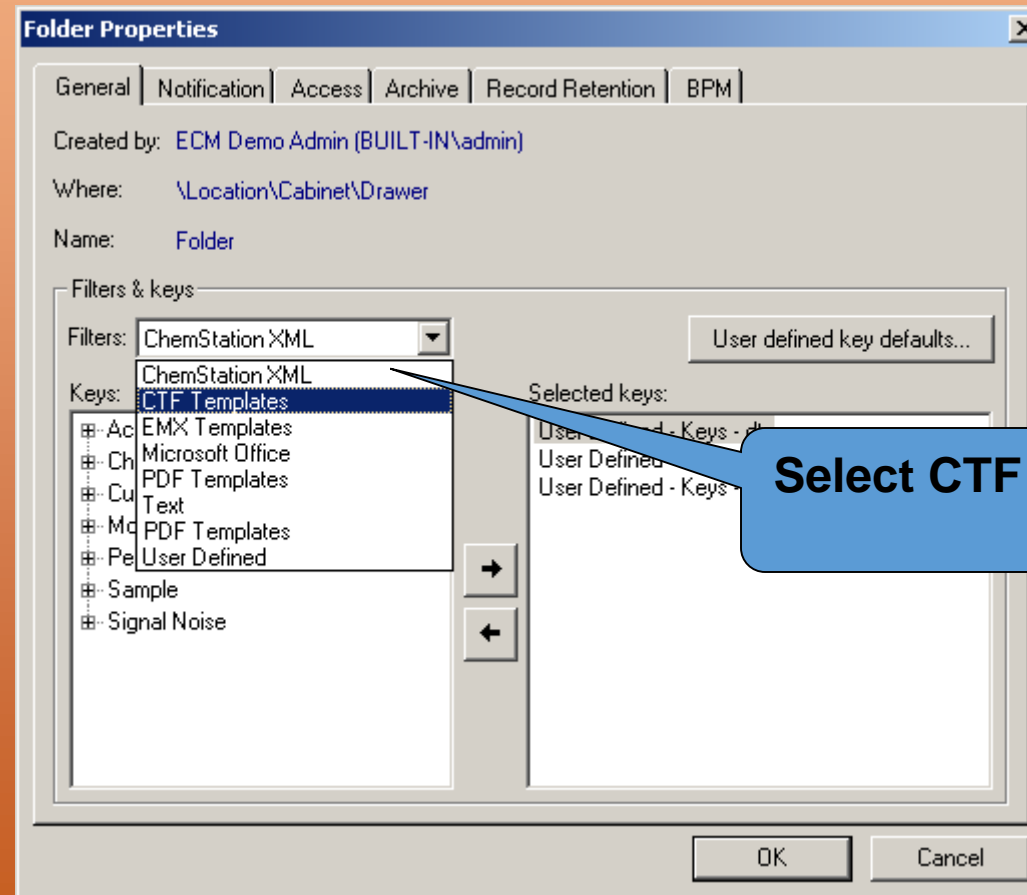
The screenshot shows the 'CTF Template Designer - [Result]' application. On the left, a tree view shows the template structure with 'Units' expanded to show 'Row' and its sub-elements: 'PeakNo', 'RetTime', 'Type', 'Width', 'AreaAbs', 'Height', and 'AreaRel'. Below this is the 'Key' configuration panel for the 'Width' element. It includes fields for 'Name' (Width), 'Instances' (1), and 'Order' (checked). There are 'Start' and 'End' tabs, and checkboxes for 'Extract', 'Fetch', 'Whole', and 'Skip'. A 'RegExp' field contains '[0-9]+.[0-9]+'. At the bottom, there are 'ECM' options for 'Attribute' and 'Set End', and 'Color' and 'Apply' buttons. The main window on the right displays the XML output, showing a sequence of <RANGE> tags for the 'Table' section, including values for 'PeakNo', 'RetTime', 'Type', 'Width', 'AreaAbs', 'Height', and 'AreaRel'. A status bar at the bottom indicates 'Line: 1', 'Column: 1', 'Length: 0', and 'RegExp: ^'.

2. Filtering results as XML file

Select CTF Template keys 1/3



Select CTF Template keys 2/3



Select CTF Template keys 3/3

