

# ParseIT

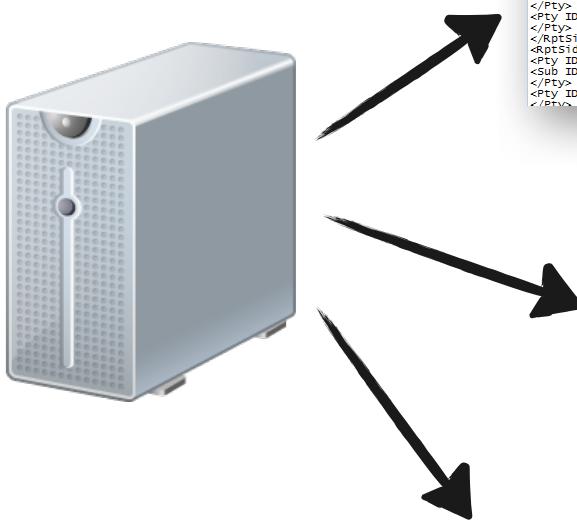
The Universal Log Analyzer



# Why ParseIT ?

# Systems generate logs

# Logs are hard to analyze



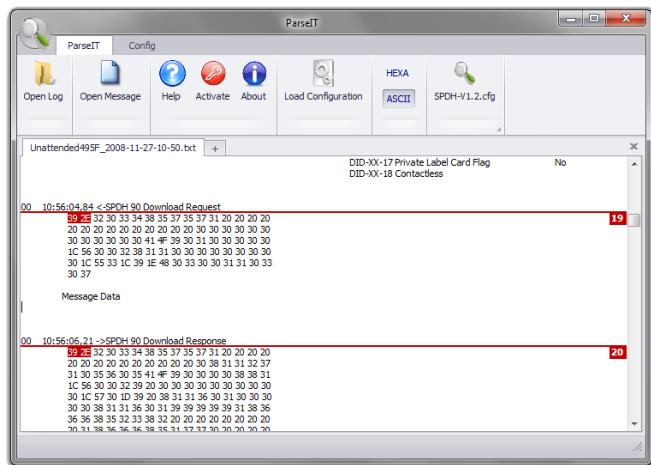
```
<TrdCaptrt TransTyp="0" RptTyp="0" BizDt="2011-04-11" TxnTm="2011-04-11T09:30:20" TrdTyp="0" MtchID="00000000000000000000000000000000">
  <SectTyp>Sym="CSCO PutCall="0" MMN="20130119" StrkPx="15.000" />
  <RptSide Side="1" PosEfct="0" Txt="15539000" TrdSubTyp="0" CldOrDid="83917800">
    <Pty ID="608" R="4">
      <Sub ID="C" Typ="26"/>
    </Pty>
    <Pty ID="722" R="14">
      <Sub ID="C" Typ="26"/>
    </Pty>
    <Pty ID="608F" R="2">
      <Sub ID="NOACCNUM" R="24">
        </Pty>
      </Pty>
    </Pty>
  </RptSide>
  <RptSide Side="2" PosEfct="0">
    <Pty ID="501" R="4">
      <Sub ID="M" Typ="26"/>
    </Pty>
    <Pty ID="BOX" R="38">
```



# ParseIT is the tools to analyze logs

Detects  
Messages

Parses  
Messages

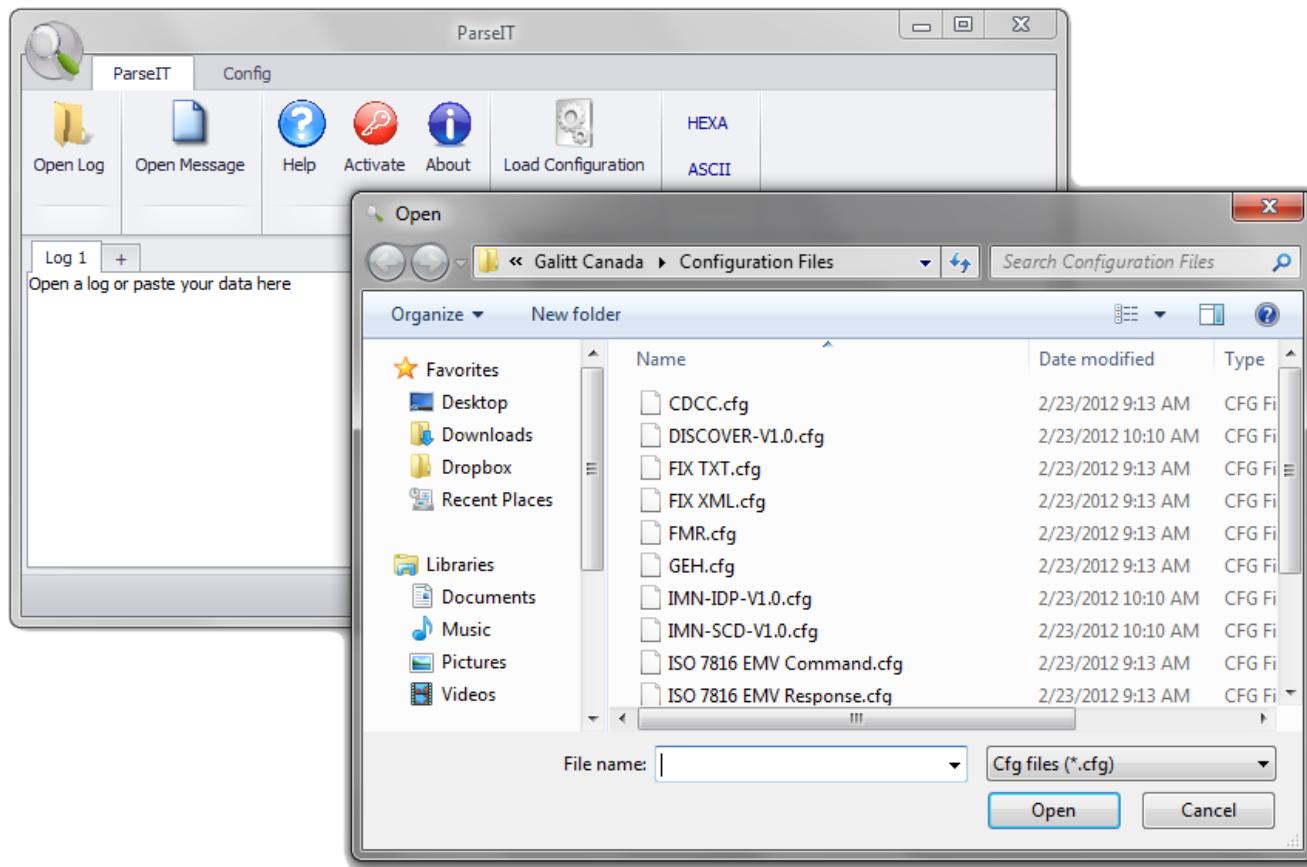


The screenshot shows the 'Message 1' dialog box in the ParseIT application. It displays a hex dump of a message and a corresponding table with parsed fields. The table has columns for ID, Name, Value, Description, Format, Position, Dictionary, and Validation.

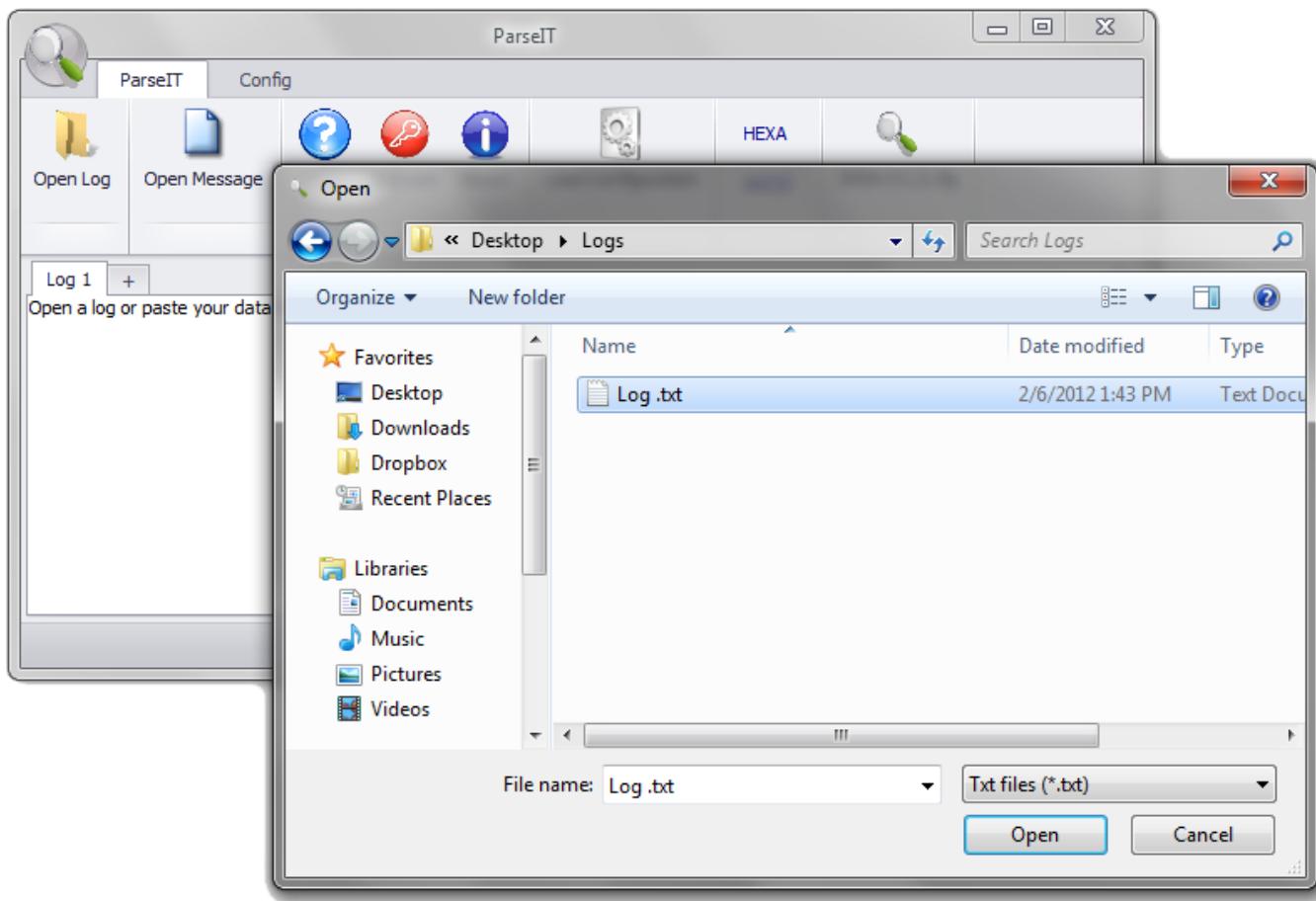
ID	Name	Value	Description	Format	Pos...	Dicti...	Validat...
0	H01	9.	Device Type	V(2)	0-2	Not ...	Not Ac...
1	H02	20	Transmission Number	V(2)	2-4	Not ...	Not Ac...
2	H03	34857571.....	Terminal ID	V(16)	4-20	Not ...	Not Ac...
3	H04	.....	Employee ID	V(6)	20-26	Not ...	Not Ac...
4	H05	000000	Date YYMMDD	V(6)	26-32	Not ...	Not Ac...
5	H06	000000	Time hhmmss	V(6)	32-38	Not ...	Not Ac...
6	H07	A	Message Type	V(1)	38-39	Not ...	Not Ac...

# How does ParselT works ?

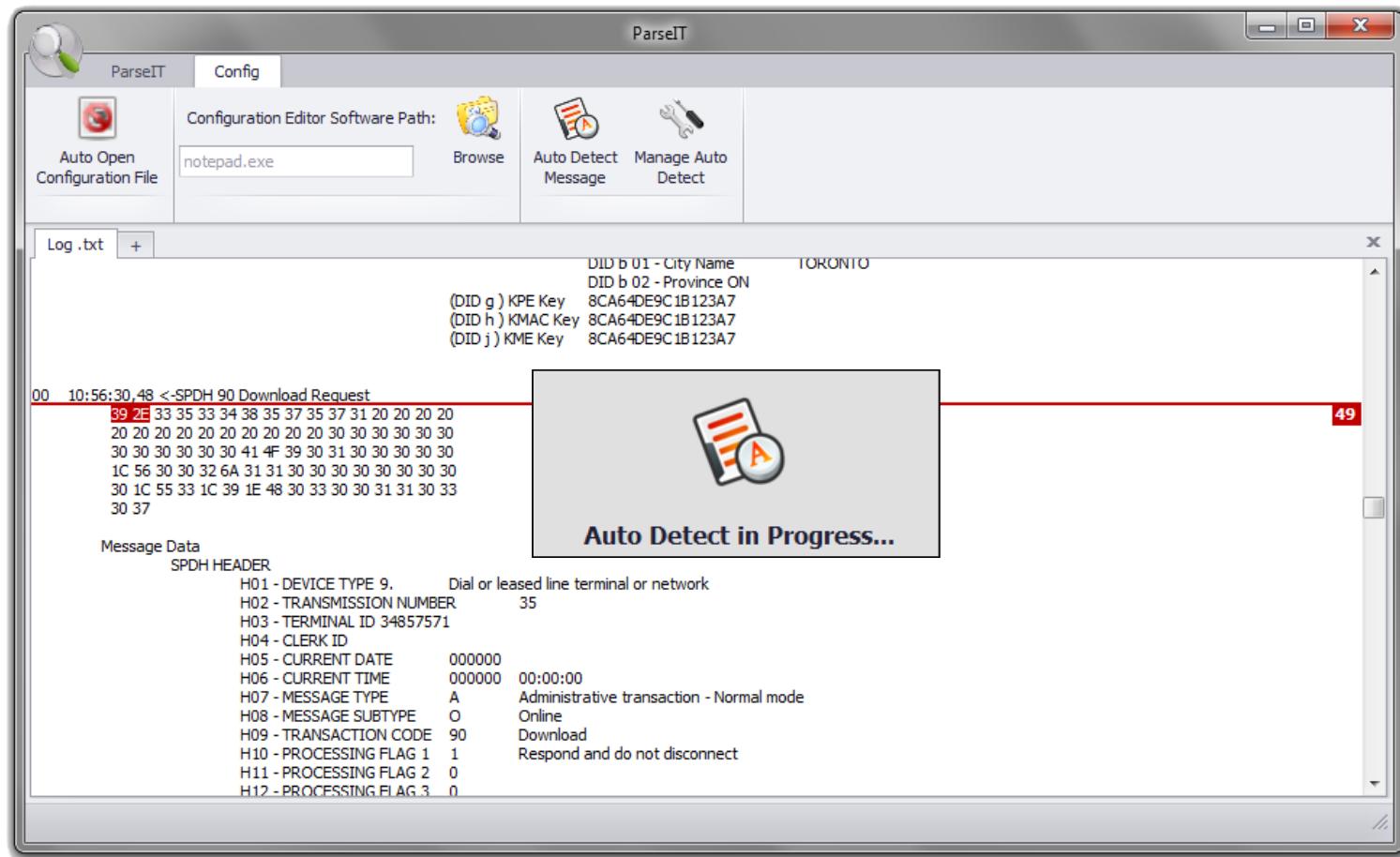
# I) Load Configuration



# 2) Open Log



# 3) Select Message

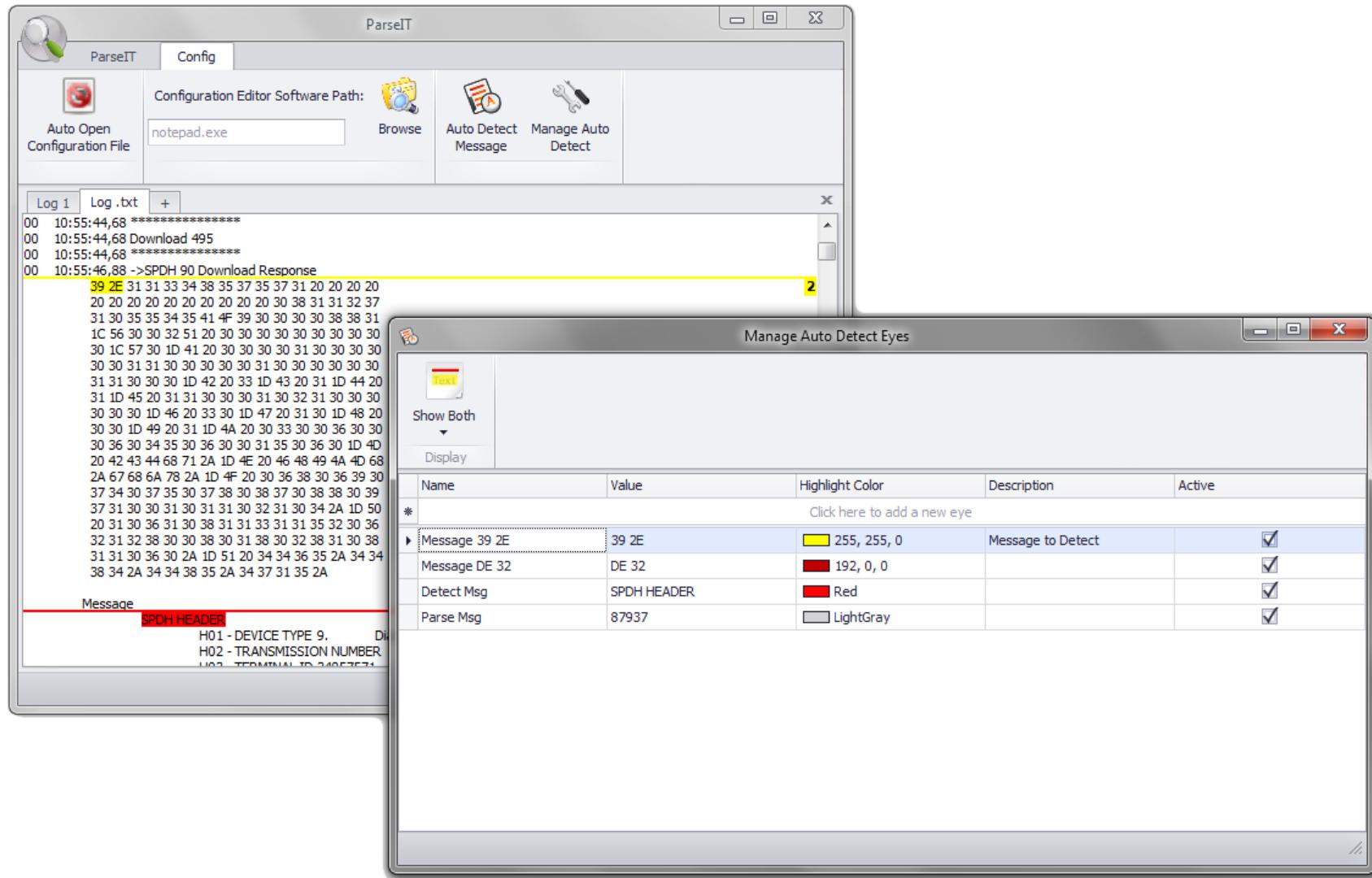


# 4) Parse It

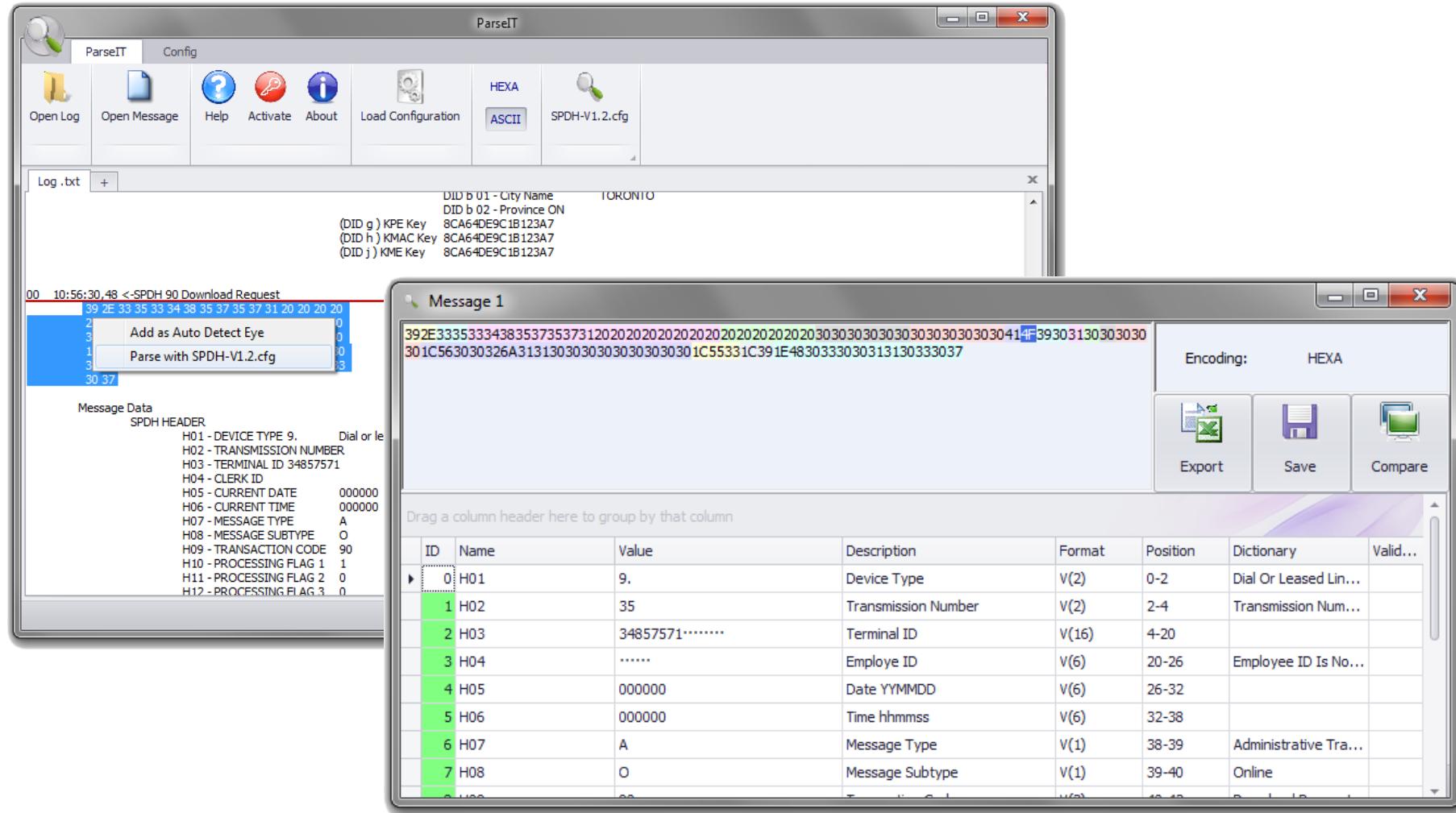
Message 1		Encoding: HEXA					
ID	Name	Value	Description	Format	Position	Dictionary	Valid...
0	H01	9.	Device Type	V(2)	0-2	Dial Or Leased Lin...	
1	H02	35	Transmission Number	V(2)	2-4	Transmission Num...	
2	H03	34857571.....	Terminal ID	V(16)	4-20		
3	H04	.....	Employe ID	V(6)	20-26	Employee ID Is No...	
4	H05	000000	Date YYMMDD	V(6)	26-32		
5	H06	000000	Time hhmmss	V(6)	32-38		
6	H07	A	Message Type	V(1)	38-39	Administrative Tra...	
7	H08	O	Message Subtype	V(1)	39-40	Online	
8	H09	..					

# Main Features of ParseIT

# Messages Auto Detect



# Raw and XML Support



# Field Dictionary

Message 3

392E33353334383537353731202020202020202020202020202020303030303030303030303030414F39303130303  
030301C563030326A3131303030303030303030301C55331C391E4830333030313130333037

Encoding: HEXA

Export Save Compare

Drag a column header here to group by that column

ID	Name	Value	Dictionary	Description	...	...	Val...
0	H01	9.	Dial Or Leased Line Terminal Or Network	Device Type	...	0-2	
1	H02	35	Transmission Number Checked For Duplicates	Transmission Number	...	2-4	
2	H03	34857571.....		Terminal ID	...	...	
3	H04	.....	Employee ID Is Not Validated	Employe ID	...	...	
4	H05	000000		Date YYMMDD	...	...	
5	H06	000000		Time hhmmss	...	...	
6	H07	A	Administrative Transaction	Message Type	...	...	
7	H08	O	Online	Message Subtype	...	...	
8	H09	00		Text Type	...	...	

# Field Validation

Message 4

392E3335333438353735373120202020202020202020202020203030303030303030303030414F3930313030303030  
1C563030326A31313030303030303030301C55331C391E4830333030313130333037

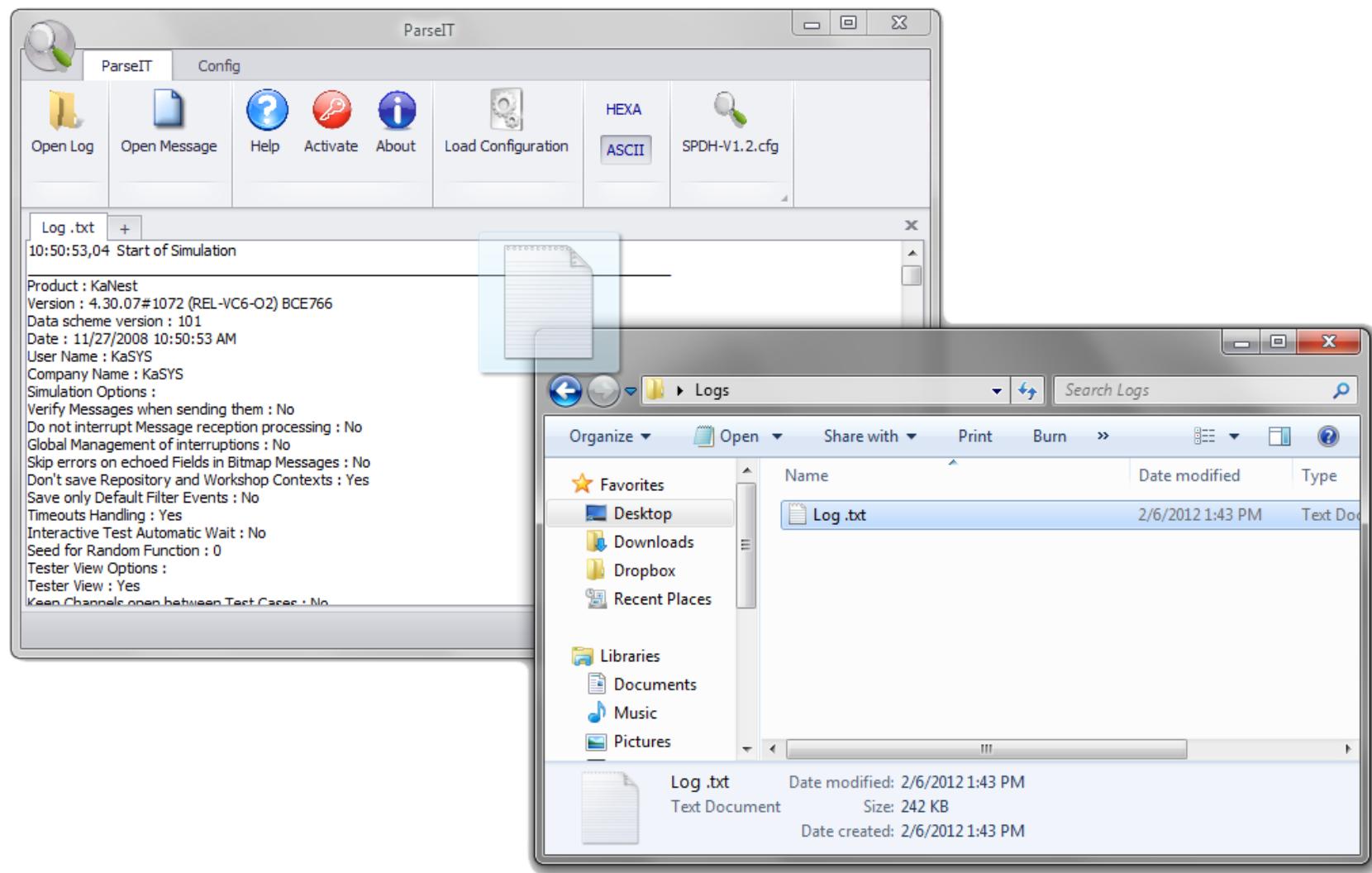
Encoding: HEXA

Export Save Compare

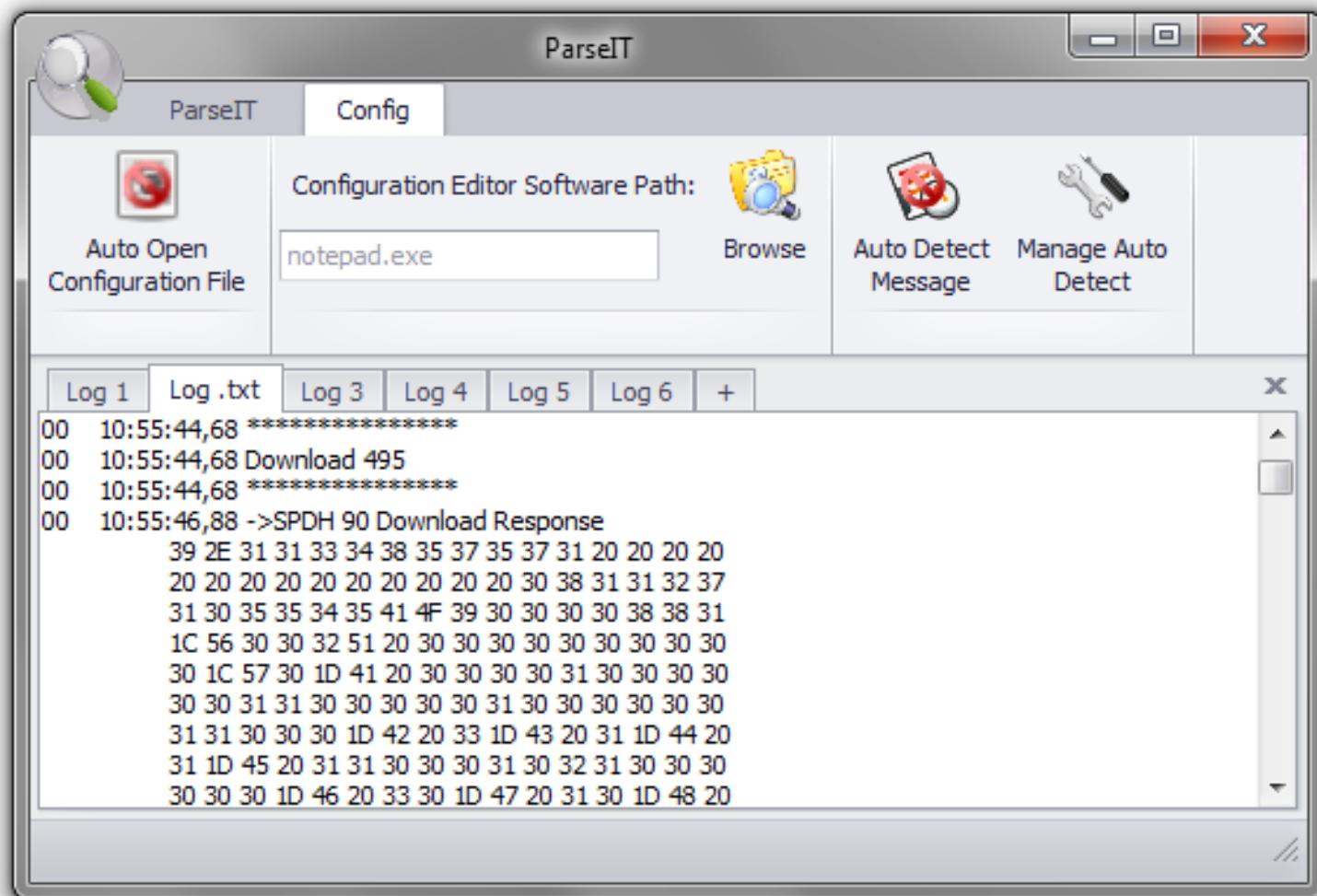
Drag a column header here to group by that column

ID	Name	Value	Validation	Description	F...	P...	Dictionary
9	H10	1		Processing Flag 1	V(1)	4...	Respon...
10	H11	0		Processing Flag 2	V(1)	4...	
11	H12	0		Processing Flag 3	V(1)	4...	
12	H13	000	The field does not contain ...	Response Code	V(3)	4...	Approv...
13	FID-V	002j110000000000		Mail/Download Key	S...	4...	
14	FID-U	3		Language Code	S...	6...	No Match
15	SFID-9-H	0300110307			S...	7...	
16	FID-T		this field should be present... VALIDATION		0-0		

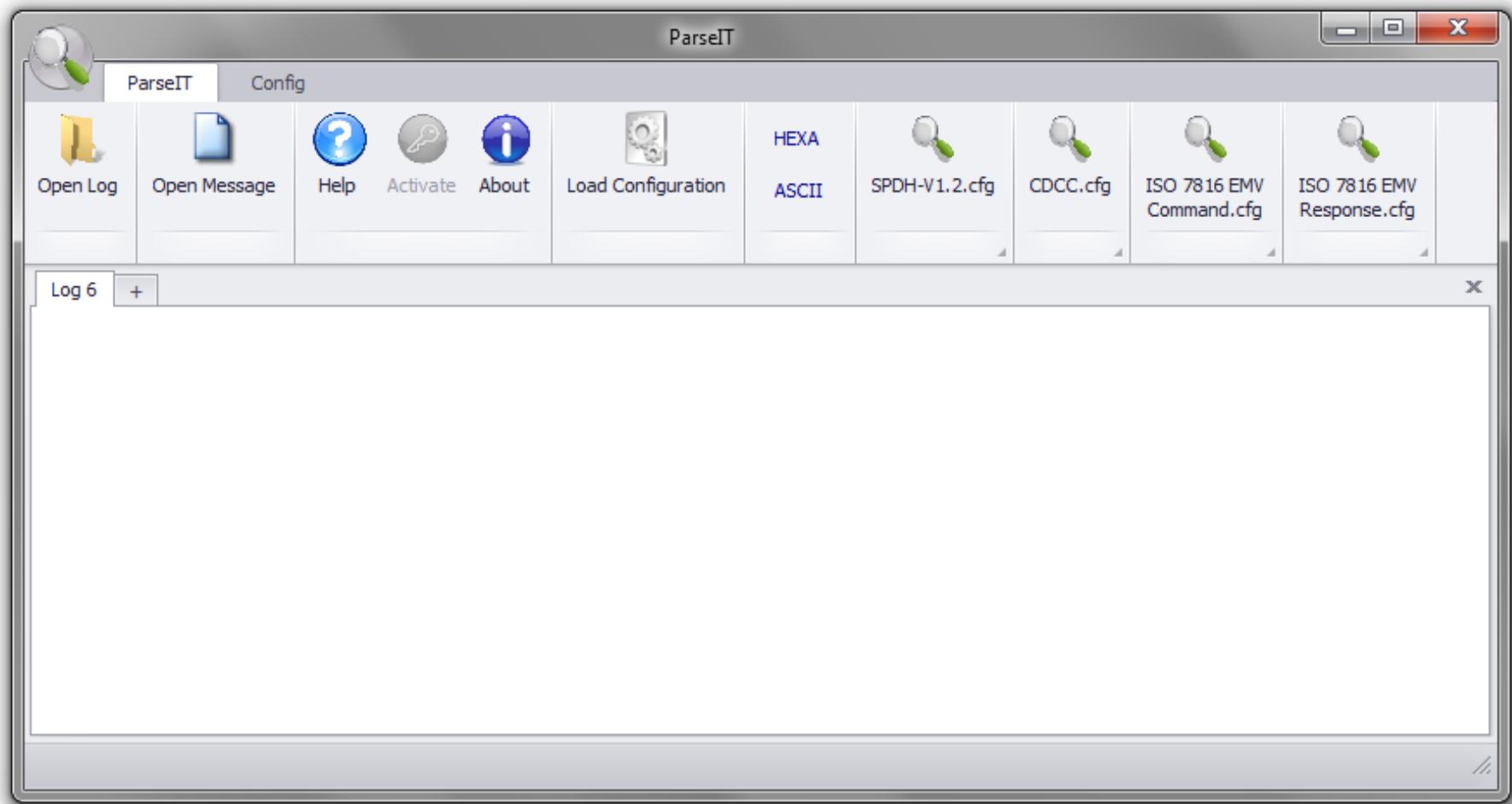
# Drag and Drop



# Multi Tabs

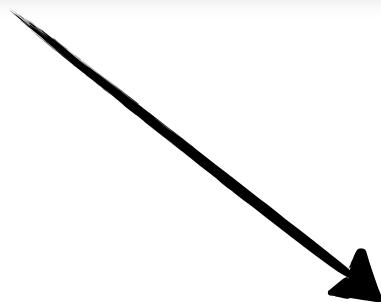


# Multi Configuration



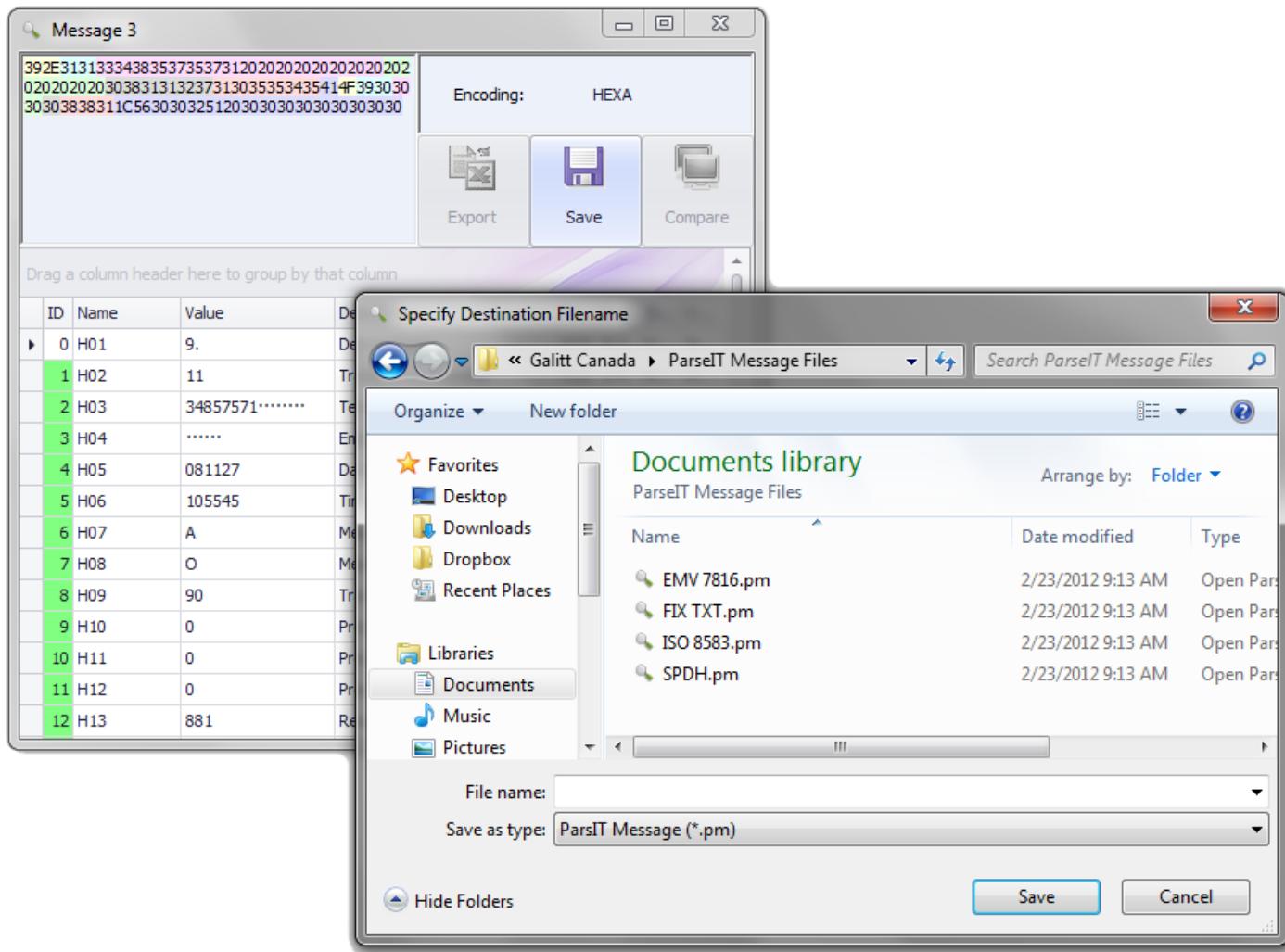
# Auto Convert Non ASCII to HEXA

```
0000oITDh001739393350qM42424244242424242=:  
0017110929POS1005266005372 12TH FLO  
0929POS1005266005372 12TH FLOOR  
⌘ +NS1AIP^CTCDR^W1 P1A^ML^CTCDR^W  
⌘ +SyyP1A^ML^S^SEARSDRCRS1AIP^SEARSDC^04  
⌘ y+SS1AIP^SEARSDC^04P1A^ML^SEARSDRCR  
█ +6yyP1A^MLIHIP^PETROMCS1AIP^PETROMC4
```



```
4D4C3230303430383130333533313736313  
3303130300BE0000104EFFFF5031415E4D  
06000000000000000006C001AFFBDD8A100000  
20202020202020202020202020202020202020  
544344525E5720202020202000000000000000  
0000004D4C3230303430383030333533313  
03030333031202000BE0000104EFFFF5031
```

# Open / Save Parsed Messages



# Compare Messages

CompareGridView

Drag a column header here to group by that column

ID	Name	Message 3	Message 2	Description
0	H01	9.	9.	Device Type
1	H02	11	11	Transmission Number
2	H03	34857571.....	34857571.....	Terminal ID
3	H04	.....	.....	Employe ID
4	H05	081127	000000	Date YYMMDD
5	H06	105545	000000	Time hhmmss
6	H07	A	A	Message Type
7	H08	O	O	Message Subtype
8	H09	90	90	Transaction Code
9	H10	0	1	Processing Flag 1
10	H11	0	0	Processing Flag 2
11	H12	0	0	Processing Flag 3
12	H13	881	000	Response Code
13	FID-V	002Q·0000000000	0010·0000000000	Mail/Download Key
14	FID-a		4950121967245*348...	Optional Data
15	FID-U		3	Language Code
16	SFID-9-H		0300110307	
17	DPC-Number	0		Destination DPC Num...
18	DID-A	00001000000110000...		Admin Transaction Type
19	DID-B	3		

# Export to Excel

	A	B	C	D	E	F	G	H	I
1	ID	Name	Value	Description	Format	Position	Dictionary	Validation	
2	0	H01	9.	Device Type	V(2)	0-2	Dial Or Lease		
3	1	H02	11	Transmission Number	V(2)	2-4	Trans missio		
4	2	H03	34857571.....	Terminal ID	V(16)	4-20			
5	3	H04	.....	Employee ID	V(6)	20-26	Emplo vee ID		
6	4	H05	000000	Date YYMMDD	V(6)	26-32			
7	5	H06	000000	Time hhmmss	V(6)	32-38			
8	6	H07	A	Message Type	V(1)	38-39	Admini strativ		
9	7	H08	O	Message Subtype	V(1)	39-40	Online		
10	8	H09	90	Transaction Code	V(2)	40-42	Down load		
11	9	H10	1	Processing Flag 1	V(1)	42-43	Respo nd		
12	10	H11	0	Processing Flag 2	V(1)	43-44			
13	11	H12	0	Processing Flag 3	V(1)	44-45			
14	12	H13	000	Response Code	V(3)	45-48	Appro ved		
15	13	FID-V	0010·0000000000	Mail/Download Key	STV(1 C)(56)	48-65			
16	14	FID-a	4950121967245*34857571 ****K0670-*0500:A10028	Optional Data	STV(1 C)(61)	65-111			
17	15	FID-U	3	Language Code	STV(1 C)(55)	111-114	No Match		
18	16	SFID-9-H	0300110307		STV(1 F)(48)	116-128			
19									

# Configurations Files ?

# ParseIT includes Configuration Samples

- CDCC
- FIX
- FIXML
- FMR
- GEH
- ISO 7816 EMV Command
- ISO 7816 EMV Response
- ISO 8583
- SPDH

# Specific Configurations

- Service from KaSYS Canada
- Create specific configuration file using sample configuration files and ParseIT Help Documentation.

# Licensed vs Demo

Features	Demo	Licensed
Auto Detect	x	x
Raw & XML	x	x
Field Dictionary		x
Field Validation		x
Drag and Drop	x	x
Multi Tabs		x
Multi Configurations		x
Auto Convert Non ASCII	x	x
Open / Save Messages	x	x
Compare Messages		x
Export to Excel		x
Support		x