Consider this IRI Voracity ETL workflow sample from the telecom industry,

3 • 🔛 🕼 🐸 🙆 • 🌮	- G - 盤 - ジ - 第 - 入 - ひ - 持 - O - Q -	Quick Access					
Project Explorer 🛛 🗂 🗖		0					
□ 😓 🔻	▶ INP-MSC1-2015032001.csv ☆						
 ➢ ADS Lineage ➢ sjis-pm ➢ Telecom ✓ inputs 	START_TIME.GLOBAL_CALL_ID_DURATION_COR_TYPE_CALLING_INMMER, CALLED_NUMMER, TRUNK_IN_TRUNK_OUT_CALL_TYPE_CALL_SCENARIO 201503200502000,1003,60,7,00110000000,0012000000,TXL1,TTSEL1,MOC_TSEL_OUTGOING PARTIAL EVENT SINGLE MSC 20150320050210,1003,10,L,0019000000,0011000000,0011000000,0011000000,0011000000						
INP-MSC1-2015032000.cs							
 INP-MSC1-2015032001.cs INP-MSC2-2015032000.cs 	ull + B + A + I d d B × 為 × 嶺 B I A + ∞ み + J + → + 圖 ◇ 勉 昭 目 ▶	😳 Palette					
REF-PREFIX.csv		Change Directory					
REF-TARIFF.csv		Command Line X					
REF-TRUNK.csv	Visit for 50 Sort CDR1.sd Sort CDR2.sd Sort CDR3.sd Sort CDR4.sd	Non-ODBC Extractors					
V 🧁 metadata	Wintformi Seff, URIXar SEff, UR	S FACT Configuration File					
CDR1.ddf		😕 Transform 🗢					
CDR2.ddf	In INP-MSC1-2015032001.csv Out_refect.data in_sorted_cdr.data Out_refect.data in_sorted_cdr.data In_sorted_cdr.data	Transform Mapping Block					
CDR4.ddf		Direct /I leave at					
OUT_DETAIL.ddf		Loaders co					
REF_PREFIX.ddf		Y Altibase iLoader					
REF_TARIFF.ddf	۲						
REF_TRUNK.ddf	ઢ *Transform Mapping Diagram ፡፡						
REJECT.ddf		😳 Palette					
> go outputExamples	Input Data Output Data	▲ G [□] Mapping Connection					
> in representations.aird		🌔 Input 🗠					
✓ 1 Telecom.flow	Multi Sort Sorted_cdtdata	ODBC					
> 🚔 Batch: Telecom.bat		B Ch					
i test.pm		🏷 Transform Action 🗠					
		🚱 Pre Action					
		. Charle .					
		🥟 Field Options 🗠					
	♦ TRUNK_INASCI 0	Subscription					
		Lu Canuacar					
		Section Options 🗠					
>		? : Condition					
Data Source Explorer 🖾 👘 🗖		Silter Include					
S E 🚳 🖮 🖄 🖪	Section Options Action Key TRANCUT, CARRENASCI (10	 ✓ Gapa ✓ Gapa ✓ Gapa 					
Database Connections							
> 🕞 ODA Data Sources	🖵 Console 🔐 Problems 🛄 Properties 🕮 📆 Scheduler 🥥 Internal Web Browser	2 - 2					
	E ^s Field2 Field Mapping: INP_MSC.TRUNK_IN_To_TRUNK_IN						
	Base						
Remote Systems 🖾 🛄 🔲	Name: INP_MSC.TRUNK_IN_To_TRUNK_IN						
£ £ ⊕ ⇔ ⊕ B \$ ⊽							
E Local	Source Field: INP_MSC.TRUNK_IN						
> 1 Local Files	Target Field: TRUNK_IN						

IRI Workbench graphical IDE for Voracity (and all IRI software), built on Eclipse Neon. The top panel shows a CSV data source layout used below, followed by the second half of the workflow, and then a selected transform mapping diagram.

Following are selected data lineage images produced in the <u>optional Mapping Manager environment</u> for Voracity from AnalytiX DS. These modules run in their affordable cloud-based app you can use right from an IRI Workbench browser.

Table Level Lineage

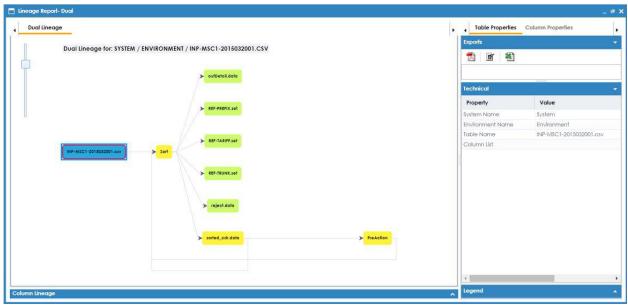
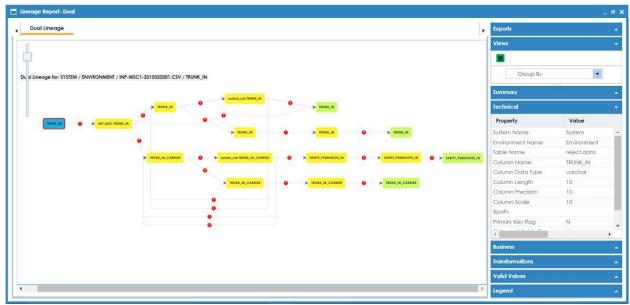
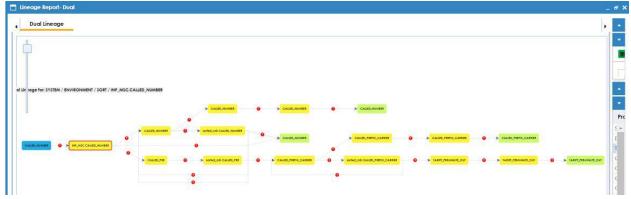


Table level lineage for the INP-MSC1-2015032001.csv Source file referenced in the above mapping.

Column Level Lineage #1 of 2



Column level lineage for the TRUNC_IN column form the INP-MSC1-2015032001.csv Source file.



Column Level Lineage #2 of 2

Column level lineage for the CALLED_NUMBER column from INP-MSC1-2015032001.csv.

	npact Analysis Repor	16 C						
	CALLED_NUM	BER						
Col	umnName: CALLED_N	UMBER						*
Summary - Direct Impact 🔹 📢		Summary - Indirect Impact	Summary - Indirect Impact 🔹 🔾			Audit Information		
-					Upstream Impact	Audit	Information	
			The second se		Downstream Impact	Created By		
	3	3 🧧 As Si			In Business Rule	Created Time		
		As To	arget 0 0 0	0 0	0 In Source Extract SQL	Modified By		
					In Lookups	Modified Time		
				Indirect Impact		4		
	Direct Impact	Indirect Impact	Other Impacts					
ls S	ource							
As Si	ource Project Name	Mapping Name	Target Information				Business Rule	
		Mapping Name	Target Information Column	Table	Environment	System	Business Rule	
		Mapping Name Sort_CDR2		Table Sort	Environment Environment	System System	Business Rule	
	Project Name		Column				Business Rule	
# 1 2	Project Name	Sort_CDR2	Column sorted_cdr.CALLED_NUMBER	Sort	Environment	System	Business Rule	
# 1 2	Project Name Lanny_test Lanny_test	Sort_CDR2 Sort_CDR3	Column sorted cdr.CALLED NUMBER sorted cdr.CALLED NUMBER	Sort Sort	Environment Environment	System System	Business Rule	
# 1 2 3	Project Name Lanny_test Lanny_test	Sort_CDR2 Sort_CDR3	Column sorted cdr.CALLED NUMBER sorted cdr.CALLED NUMBER	Sort Sort	Environment Environment	System System	Business Rule	
# 1 2 3	Project Name Lanny_test Lanny_test Lanny_test	Sort_CDR2 Sort_CDR3	Column sorted cdr.CALLED NUMBER sorted cdr.CALLED NUMBER	Sort Sort	Environment Environment	System System	Business Rule Business Rule	
# 1 2 3	Project Name Lanny_test Lanny_test Lanny_test	Sort_CDR2 Sort_CDR3 Sort_CDR4	Column sorted.cdr.CALLED_NUMBER sorted.cdr.CALLED_NUMBER CALLED_NUMBER	Sort Sort	Environment Environment	System System		
# 1 2 3	Project Name Lanny_test Lanny_test Lanny_test	Sort_CDR2 Sort_CDR3 Sort_CDR4	Column sorted cdr.CALED NUMBER sorted.cdr.CALED NUMBER CALED NUMBER Source Information	Sort Sort PreAction	Environment Environment Environment	System System System		,
# 1 2 3	Project Name Lanny_test Lanny_test Lanny_test Lanny_test Project Name	Sort_CDR2 Sort_CDR3 Sort_CDR4 Mapping Name	Column sorted cdr.CALLED NUMBER sorted cdr.CALLED NUMBER CALLED NUMBER Source Information Column	Sort Sort PreAction Table	Environment Environment Environment	System System System System		,

Impact Analysis

Impact Analysis report run on the CALLED_NUMBER column from a Voracity (CoSort) sort task component. Additional impacts will be displayed after further mapping links are confirmed. Contact <u>voracity@iri.com</u> for info.