

## InfoAdvantage Lineage from AFIS

This guide shows how to use the “Lineage” report to trace data from AFIS pages to infoAdvantage Universes. The intended audience is both Report Developers and Business Users to help each other connect the Technical and Functional names between AFIS and infoAdvantage.

Data from AFIS is organized in semantic layers (“Universes”) using data linkages and contexts to make report writing easier. Building reports from well-designed Universes avoids reports with #MULTIVALUE errors or values that are multiplied because of looping queries.

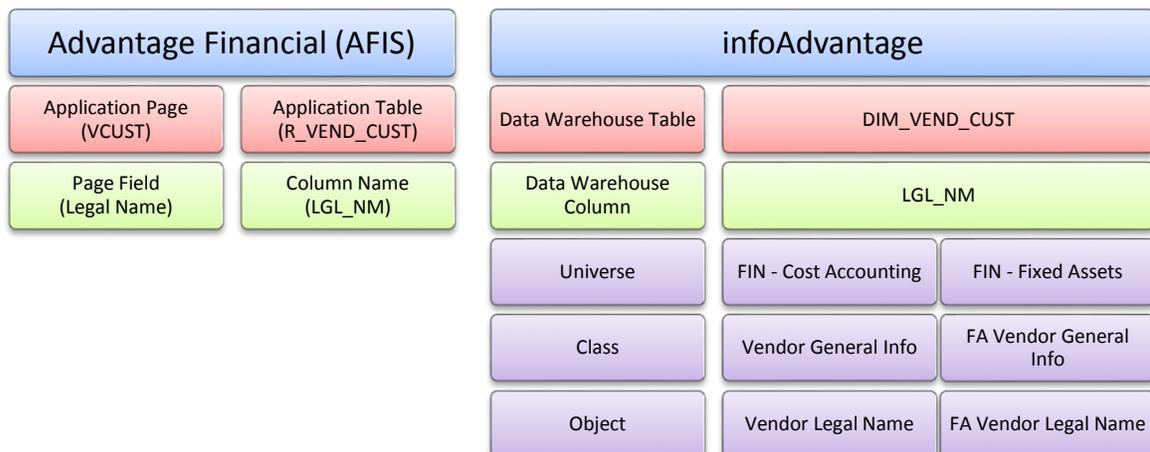
**Advantage** stores data in *Tables with Columns*, but it displays it to the User laid out in *Application Pages with Fields*. Each Field on a Page is stored in a particular Column on a Table. The same Table Column may display with slightly different names on different Application Pages.

**InfoAdvantage** stores data in *Classes and Objects*, grouped in *Universes* around a functional area. There are two kinds of Universes:

- Data Warehouse Universes are refreshed nightly using a process that extracts AFIS data, transforms it (by concatenating, renaming, or calculating formulas), and stores it in Classes and Objects.
- Operational Universes are real-time mirrors of AFIS document and journal data. They are not used as often on infoAdvantage reports—but when they are, the data is refreshed in real time (rather than waiting for a nightly cycle).

As an example, see below how AFIS Field “Legal Name” on Page VCUST maps to two Universes.

- Legal Name is stored in both Advantage and infoAdvantage as LGL\_NM.
- LGL\_NM in the Data Warehouse is referenced by more than 70 Universe/Class/Object combinations; Cost Accounting calls it “Vendor Legal Name”, while Fixed Assets calls it “FA Vendor Legal Name”.



# InfoAdvantage Lineage from AFIS

Each nightly cycle of AFIS includes an Extract, Transform, Load (ETL) step that pulls new and modified data from AFIS into the infoAdvantage Data Warehouse Universes according to mapping rules. These rules can be researched using the infoAdvantage Metadata reports.

## INADV-META-0001 Advantage to Universe Lineage

This report is useful for identifying how Page Codes and Field Names map to Universes and Objects. You can query in either direction by entering prompts for only one side of the map at a time:

- Given an AFIS Page and Field, find infoAdvantage Universes with the mapped Class/Object.
- Given an infoAdvantage Universe/Class/Object, find the AFIS Page and Field it comes from.

Both approaches begin with the same login; continue with either subsection for the next steps.

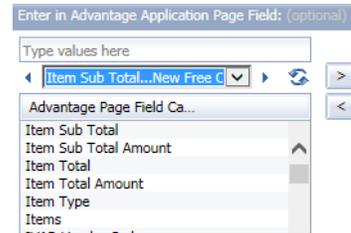
A. Log into infoAdvantage and run report INADV-META-0001 Advantage to Universe Lineage.

1. Navigate to **1 – Statewide Reports > Metadata Reports**.
2. Open report *INADV-META-0001 Advantage to Universe Lineage*.

### From AFIS Page/Field, Find infoAdvantage Universe/Class/Object

B. Enter an AFIS Page Code and Field Name to return infoAdvantage Universes with the field.

1. Click the **Refresh** icon.
2. Select an Advantage Application Page Code (e.g., **VCUST**).
3. Select an Advantage Application Page Field (e.g., **Legal Name**).
4. In the open report, see all of the Universe/Class/Object combinations that contain the selected Page Code and Field.



The Page Field pick list is long; values are grouped in the pull-down selector. Select an alphabetical range to see the Field you want, or Search for part of the name of the Page Field (e.g., "Legal").

Parameters and Prompts	
Common	
Advantage Application Name	FIN
Advantage Application Page Code	VCUST
Advantage Application Page Field	Legal Name
Advantage Application Table Name	
Advantage Application Column Name	
Operational Data Source	
Operational Universe Name	
Operational Object Name	
Data Warehouse Data Source	
Data Warehouse Table Name	
Data Warehouse Column Name	
Data Warehouse Universe Name	
Data Warehouse Object Name	

Report ID : INADV-META-0001				State of Ar						
Run Date : 12/2/2015										
Run Time : 1:22:39 PM										
Universe Type : Data Warehouse Universe										
Advantage Information				infoAdvantage Information						
Application Page Code	Application Page Field	Application Table Name	Application Column Name	Data Warehouse Table Name	Data Warehouse Column Name	Reference Table Name	Reference Column Name	Universe Name	Class Name	Object Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_SWEEP	LGL_NM			FIN - Treasury Accounting	CASH SWEEP	Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	1099 Journal	Traveler Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Detail Vendor General Info	Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Disbursement Stub Vendor	Disb Stub Vendor / Payee Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	EFT Returns Doc Vendor	EFT Rtn Vendor / Payee Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	EFT Reversals Doc Vendor	EFT Rev Vendor / Payee Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	PHA Vendor Legal Name	PHA Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Payment Hold Activity	PHM Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Payment Hold Maintenance	PHM Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Payment Hold Print Notice	PPHN Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	PDR Payee Info	PDR Payee Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	PDR Vendor Information	PDR Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	PHM Doc	PHM Doc Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	Payment Hold Info	PHM Doc Vendor Legal Name
VCUST	Legal Name	R_VEND_CUST	LGL_NM	DIM_VEND_CUST	LGL_NM			FIN - Accounts Payable	CR Hdr Cent Stmt	CR Hdr Cent Stmt

# InfoAdvantage Lineage from AFIS

## From infoAdvantage Universe/Objects, Find AFIS Page/Fields

The example below shows how you can investigate a number of similarly-named infoAdvantage fields to see where they come from in AFIS.

C. Enter an infoAdvantage Universe and Object to find its source AFIS Page Code and Field Name.

1. Click the **Refresh** icon.
2. To ignore the Operational Universe prompt, enter **NA** in the **Operational Universe Name** and **Operational Object Name** prompts.
3. Enter a search term for Data Warehouse Object Name (e.g., **gain**). Click the Search icon.
4. From the resulting list, select matching options and add them to the prompt.
5. Select Data Warehouse Universe Names (e.g., **FIN – Fixed Assets**.)
6. Run the report query.
7. In the open report, see the Universe/Class/Object combinations that contain the selected Page Code and Page Field.

Report ID : INADV-META-0001		State of Arizona						Page 1 of 1		
Run Date : 12/2/2015										
Run Time : 3:57:19 PM										
Universe Type		Advantage Information			infoAdvantage Information					
Application Page Code	Application Page Field	Application Table Name	Application Column Name	Data Warehouse Table Name	Data Warehouse Column Name	Reference Table Name	Reference Column Name	Universe Name	Class Name	Object Name
FAHIST	Gain Loss Amount	JRNLI_COMP	GN_LOS_AM	FACT_JRNLI_FA	GN_LOS_AM			FIN - Fixed Assets	FA JmI Comp Acq/Disp Details	FA JmI Comp Gain Loss Amt
JFACJ	Gain Loss Amount	JRNLI_COMP	GN_LOS_AM	FACT_JRNLI_FA	GN_LOS_AM			FIN - Fixed Assets	FA JmI Comp Acq/Disp Details	FA JmI Comp Gain Loss Amt
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	DIM_FADM	GN_LOS_PSTNG			FIN - Fixed Assets	FA Component Acq/Disp Details	FA Comp Acq Gain/Loss Posting
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	DIM_FADM	GN_LOS_PSTNG			FIN - Fixed Assets	FA Component Acq/Disp Details	FA Comp Disp Gain/Loss Posting
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	DIM_FADM	GN_LOS_PSTNG			FIN - Fixed Assets	FA JmI Comp Acq/Disp Details	FA JmI Comp Acq Gain/Loss Posting
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	DIM_FADM	GN_LOS_PSTNG			FIN - Fixed Assets	FA JmI Comp Acq/Disp Details	FA JmI Comp Disp Gain/Loss Posting
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	FACT_FAR	GN_LOS_ACCT_TYP			FIN - Fixed Assets	FA Component Acq/Disp Details	FA Comp Gain/Loss Account Type
	NA	CVL_GN_LOS_PSTNG	GN_LOS_PSTNG_DV	FACT_JRNLI_FA	GN_LOS_ACCT_TYP			FIN - Fixed Assets	FA JmI Comp Acq/Disp Details	FA JmI Comp Gain/Loss Account Type
Universe Type		Advantage Information			infoAdvantage Information					
Application Page Code	Application Page Field	Application Table Name	Application Column Name	Universe Name	Class Name	Object Name				