ProAdmin

What's New in version 3.04

ProAdmin version 3.04 introduces the ability to **validate the Database Linkage**, a new **Late Retirement Calculation** component, service and salary **anniversary year measurement period**, enhanced **cash balance functionality**, a **data import utility** and over 20 additional features. You'll find details about these and several other enhancements below.

Database Linkage

• The Database Linkage now allows you to validate the fields without running a benefit calculation. Clicking the validate button at the bottom of the Database Linkage dialog will check all of the fields that have been linked, not just those associated with plan coding.

A Database Linkage - [Database Linkage]	? 🗙
Database Link Person ID Data Field Links	
Select a field:	
AddCity AddLine1 AddLine2 AddState AddZip BeneDateOfBirth BeneEirstName BeneLastName BeneReIType BeneSex BeneSSN BeneFrozen BenGrandfather * BenHistEffDte CalcAdjAddtlAmt1 CalcAdjAddtlAmt3 CalcAdjBenAmt CalcAdjBenAmt * Incomplete link definition	<u>N</u> ew
<u>V</u> iew <u>R</u> eplace Save As <u>N</u> ew <u>V</u> alidate <u>E</u> rase	Cancel

Database Lin	kage Validation	
\checkmark	Problem with a column name for Field: MemAddtlDataDate4	
	Column: AdditionalData!1!Date4!Element	
	Problem with a column name for	
	Field: MemAddtlDataDate5 Column: AdditionalData!1!Date5!Element	
	Problem with a column name for	
	Field: MemAddtlDataIndil Column: AdditionalData!1!Indicator1!Element	
	Problem with a column name for	
	Field: MemAddtlDataIndi2 Column: AdditionalData!1!Indicator2!Element	
	Parklan with a solution over feat	
	Field: MemAddtlDataIndi3	
	Column: AdditionalData!1!Indicator3!Element	
	Problem with a column name for	
	Field: MemAddtlDataIndi4 Column: AdditionalData!1!Indicator4!Element	
	Problem with a column name for Field: MemAddtlDataIndi5	
	Column: AdditionalData!1!Indicator5!Element	Ξ
	Problem with a column name for	
	Field: EmployeeGrade	
	Column:	
C	ontinue and view a data record?	-
	Yes No Print	11.

 $\circ~$ If there are some valid fields in the linkage, you will be given the opportunity to provide a Person ID to examine a sample data record.

A Database Linkage Validatio	on	? 💌
Enter a Person ID	for data u	alidation
(Example: 1234567	89 or 123-4	15-6789)
	<u>0</u> K	Cancel
		///

 $\circ~$ If a Person ID is provided, the validate option will return any data in the data source for the linked fields.

🛃 Database Linkage Validatio	m				
Brit. D. Proglaw	Bo 4	a Çopy	H Find	X Qose	
Person ID: 111-11-111					*
Database Values					
IddCiter	Mt 1 ford				
3ddLine1	16 E B CTE				
addLine?					
34491010	0.0				
add2in	11223-9289				
RepellateOfBigth	5/11/1965				
BeneFirstName	alice				
BenelastName	Wonderland				
BeneRelType	525				
Repeiles	Female				
Bene 55N					
BenGrandfather		0.00			
BenFrozen	1/11/1991	8,787.00	61		
BeneType					
CalcAdnAddtlAmt1	1/01/2000				
CalcAdiAddtlAnt2	1/01/2000				
CalcAd)AddtlAst3	1/01/2000				
CalcAdjBenAnt	1/01/2000	600.00			
CalcAdjSvcAnt	1/01/2000	600.00			
CBAgeAtConv					
CBGrossBegBalAtConv					
CBGrossBenAtConv					
CBNQualBegBalAtCopv					
CBNQualBenAtConv					
CBFointsAtConv					
CBQualBegBalAtConv					
1.					1942

Data Dictionary

• The View button for the Data Dictionary now parses results nicely when the output is saved to Excel.

Service Definitions

 Service Definitions have been enhanced to include anniversary year as an available measurement period. The anniversary year will typically commence at the date of hire, but any static date or date field from the Data Dictionary may be specified to define the end of the measurement period.



• Elapsed time Service Definitions can now assume 365 day year rather than reflecting leap years.

Calcul	ation m	ethod				
C Da	te subt © 365.2	traction	: years ·	⊢ months/1	.2 + days∕	
	C 360 (with en	d of mon	ths reset	to the 30t	h)
🔶 Ca	alendar	days: (date2 - d	late1)/		
	C True	days (3	65 or 360	5)		
	· 365					
C Bu	usiness	days				
C 36	iØ days	per yea	r (30 pe	r month)		
Start	date fi	eld				
Fam	HistBa	20				¥

Salary History

• A Type column now appears in the Salary History library indicating whether or not the entry is a rate. The type is also shown when selecting a Salary History in a Salary Definition.

Salary H	listory Lik	orary			
New	i €dit	aje Rename	⊑ <u>C</u> opy	X Erase	🛂 Hide
Туре	Name 🔺	-		Modified	
SAL SAL SAL SAL	Base Salary Base Salary Base Salary Hours	+ Bonus Salar + Bonus Salar	y y + OT	1/12/2012 12 8/03/2004 10 8/03/2004 10 10/07/2011 1	2:12 PM):29 AM):30 AM 1:18 PM
RATE SAL	Hours Rate Salary			11/05/2012 3 6/01/2011 10	3:24 PM):00 AM

Salary Definitions

 Salary Definitions have been enhanced to include anniversary year as an available measurement period. The anniversary year will typically commence at the date of hire, but any static date or date field from the Data Dictionary may be specified to define the end of the measurement period.

🗞 Salary Definition - [Base Salary]
Salary Events Allocation
Name: Base Salary
Salary History:
SAL - Base Salary 🔹 🚺
Measurement period (used to group and count salary periods):
anniversary year 🗾
🗌 Allocate reported salaries
End of measurement period: 💽 Date: 3/31/12
O Field:
For each measurement period: Recognize salaries at the Salary history stop date Earlier of decrement and salary history stop date, including salaries thru C End of the decrement measurement period Adjusted salary stop date Use the largest rate of pay to date For persoalendary plan weapont the appual salary is the
 For non-calendar plan years, the annual salary is the Plan year salary Salary for the anniversary year salary ending in the plan year
View Replace Save As New Erase Cancel

 An option has been added to the Allocation tab of Salary Definitions to define projected salaries only at measurement period end dates. This choice is necessary for cash balance plans that credit interest on a weekly or bi-weekly basis, to ensure that the plan year end dates do not distort the appropriate accrual for the next following crediting date.



Plan Definitions

 A feature has been added to restrict non-spouse J&S benefits in accordance with Internal Revenue Code regulations 1.401(a)(9). If this option is selected and a non-spouse beneficiary is evaluated, results will be provided only for valid J&S payment forms and a warning message indicates the maximum allowable J&S percentage under the law. See also <u>Payment Forms</u> on page 11 for the companion enhancement that facilitates calculation of custom J&S payment forms at the maximum allowably percentage.

Plan Year begins: January 💌	<u>M</u> isc. Parameters
Plan's actuarial equivalence:	
1971 GAM @ 7%	■ ▲
Normal Retirement Date (NRD):	
Age 65 and 5 years of Service	<u> </u>
Using Service Definition Set:	
Vesting Service - (nearest year)	
🔽 Calculate lump sum equivalent for pay	ment forms Params

• In Regulatory Data, the Historical Data now optionally displays only the data relevant to the current tab. In addition, the regulatory data headers now parse into cells when saving to Excel.

Benefit Formula Components

 A new Age... button has been added to refine the definition of age for accrual rates under Final Average, Career Average and Cash Balance type accrual definitions where the accrual rates vary by age or points. New options allow age to be defined in completed years and, for cash balance crediting, to allow age to vary by each crediting date during the plan year.



- The "Apply annualized rate to career average / cash balance basis formula" checkbox now defaults to being checked on the accrual rates topic. This is virtually always what is desired for a career average or cash balance calculation: giving the full accrual rate to the basis during the period, rather than an accrual rate that is weighted by the service earned during the period. (The accrual rate continues to be 0 if no service is earned during the period.)
- A new Benefit Formula component type called Late Retirement has been added to simplify the coding of a late retirement calculation. It can do a comparison of the benefit at Normal Retirement Date to the continued accrual as of the commencement age or a plan year by plan year comparison up to commencement age.

A Benefit Formula Component -	[RetBen]				
Name: LateRetBen	Description: Retirement Plan Benefit				
Component type:	Late Retirement				
Accrued Benefit Benefit Formula Com	ponent: RetBen				
Actuarial equivalence Normal Retirement D • Plan Attributes • Eligibility Defi	e for late retirement Pate (NRD) defined by: Inition:				
Using Service Definition Set:					
<base service<="" th=""/> <th>Set></th>	Set>				
Actuarial Equivalen 1971 GAM @ 7%	ce assumptions:				
Calculation perform	ed: O At commencement age • Annually				
<u>V</u> iew <u>R</u> e	place Save As <u>N</u> ew <u>E</u> rase Cancel				

• The Accrued Benefit selection should be the benefit formula (subformula) component that calculates the accrued benefit.

crued Benefit		
Benefit Formula Component:	RetBen	•

- The "Calculation performed" choice on the bottom of the dialog chooses the approach for the late retirement calculation:
 - The "At commencement age" choice indicates that the comparison should be between the benefit as defined by your Normal Retirement Date settings (NRD and Actuarial Equivalence assumptions) and the benefit at commencement.
 - The "Annually" choice indicates that the comparison is done between the benefit as defined by your Normal Retirement Date settings (NRD and Actuarial Equivalence assumptions) and the benefit at commencement or plan year end if earlier. The greater of the two benefits is brought forward based on your Actuarial Equivalence assumptions and compared to the benefit at commencement or the next plan year end if earlier. This comparison continues to commencement.
- The Cash Balance accrual definition type has been enhanced for new crediting frequencies of weekly, bi-weekly and semi-monthly. Note that if you select weekly or bi-weekly crediting frequency, then your accrual definition basis formula must reference a Salary Definition Set with a bi-weekly measurement period.

A Interest Crediting
Structure Adjustments Active Rate Change Projection Accruals Miscellaneous
Annualized Plan Year Crediting Rate: C Constant C Constant from database field Based on Interest Rate Table 10 year T-bill Params
Crediting Frequency: Semi-monthly ▼ ✓ Or, if less, credi Semi-annually Completed Quarterly Monthly For crediting periods Semi-monthly Bi-weekly Crediting rate arithm Weekly Daily
☐ Give arithmetic interest to current plan year accruals
🗖 But use an arithmetic rate for current plan year accruals
✓ Apply crediting rate rounding rule: Amount: 0.000001 Direction: Nearest
<u>O</u> K Cancel

 The Cash Balance accrual definition type has been enhanced to allow for a constant interest rate from a database field and also for interest rate tables that vary by coded database field This will facilitate, for example, coding of "pattern plans" where benefit for several groups are identical except for the interest rate.

Interest Crediting
Structure Adjustments Active Rate Change Projection Accruals Miscellaneous
Annualized Plan Year Crediting Rate:
C Constant
C Constant from database field • Based on Interest Bate Table
States by coded database field> Params
Crediting Frequency: Annually
completed months
For crediting periods less than one year, adjust crediting rate .
🗌 Give arithmetic interest to current plan year accruals
🗖 But use an arithmetic rate for current plan year accruals
Apply crediting rate rounding rule:
Amount:
Direction:
<u>O</u> K Cancel

• An option to automatically round the period accrual to cents has been added for career average and cash balance accrual definitions. This feature will be particularly helpful for cash balance plans that crediting interest more frequently than annually.



• A new Miscellaneous tab has been added to the Interest Crediting topic of Cash Balance benefit formula components. The parameter on this new tab allows you to set the number of days in a year when using daily interest crediting. Previously 365 days per year was always assumed.

🛞 Interest Crediting	? 💌
Structure Adjustments Active Rate Change Projection Accruals	Miscellaneous
When crediting interest daily • Assume 365 days per year • Use exact days in year	

• When auto-creating a database field benefit formula component within a benefit formula, ProAdmin now follows the capitalization for the data dictionary (previously, UPPERCASE was used).

Custom Operators

The prior #SSWB custom operator has been replaced with a new #AVGWB custom operator that allows the averaging of any of several built-in wage bases, U.S. 401(a)(17) limits, or a custom regulatory table specified by the user. In addition, custom rounding can be applied or the averaging period can be offset to end in the year prior to decrement. Any existing accrual basis formulas that referenced a #SSWB custom operator have been modified from, for example "#SSWBcust" to "(#SSWBcust 1)" to reflect the averaging period.

Wage Base: <a>Social Security	wage base>
Hveraging period ends in y	year before decrement
Prorate plan year amount o	over cash balance crediting periods
Poundings	
Kounding:	
C Apply U.S. Covered Compe	ensation rounding
C Apply U.S. Covered Compe C Apply rounding rule:	nsation rounding Amount
○ Apply U.S. Covered Compe ○ Apply rounding rule:	Amount
○ Apply U.S. Covered Compe ○ Apply rounding rule:	ensation rounding Amount Direction
C Apply U.S. Covered Compe C Apply rounding rule:	nsation rounding Amount Direction
C Apply U.S. Covered Compe C Apply rounding rule: Note: Rounding is applied af	ensation rounding Amount Direction ter wage base averaging
C Apply U.S. Covered Compe C Apply rounding rule: Note: Rounding is applied af	ensation rounding Amount Direction ter wage base averaging

Payment Forms

 All joint & survivor payment form types have been enhanced to allow specification of the survivor percentage by reference to a database field. One use of this feature it to calculate the payment form value for a custom J&S percentage that is in compliance with Internal Revenue Code regulation 1.401(a)(9) for a non-spouse beneficiary.

Basic Form Parameters
Deferral period:
Temporary period:
○ For period y Ø m ○ To date field ▼
Fraction of Joint & Survivor benefit received when: Both member and beneficiary are alive 1 Only the member is alive 1
Only the beneficiary is alive
COLA rate during - payment period: 0 deferral period:
<u>O</u> K Cancel

• Fix payment form output for joint life payment forms when a value other than 1 is specified for the fraction of the J&S benefit received when only the member is alive and/or when both the member and the beneficiary are alive. Previously the calculations were correct, but ProAdmin was not returning the primary benefit adjusted for the continuation amount.

• The default Age & Rounding assumptions have been changed to linear interpolation from no interpolation. In this way, the definition of age last birthday defaults to being unghosted.

Age & Rounding Assumptions	? ×
Factors based on age: C Nearest C Last birthday C In years and C Exact age	▼ months
Interpolation: C None © Linear	
Rounding: © None	
Using rounding rule: Amount: Direction:	
<u>O</u> K Cancel	10

Actuarial Equivalence

• An option has been added to define the actuarial equivalence interest rate as a constant from a database field.

À Actuaria	ial Equivalence - [<new>]</new>
Name:	AEQ
Intere C Co	est rate onstant
€ Co	onstant from database field: AEQRate 💌
⊖ Ba	ased on Interest Rate Table
	Apply PPA phase-in from this GATT Interest Rate Table
Member	n montalitu
IR	S 2008+ Applicable Mortality Table for 417(e) (dynamic 💌 🚺
Benefi	iciary mortality
<u> LLR</u> t	S 2008+ Applicable Mortality Table for 417(e) (dynamic 🗾 🚺
⊻ie	ew <u>R</u> eplace Save As <u>N</u> ew <u>E</u> rase Cancel

Mortality Tables

• Standard ProAdmin mortality tables are now protected. They cannot be modified or erased.

Census Specifications – Data Defaults

- The New... button in a Data Default specification now allows you to create a Data Dictionary field directly through this back door rather than having to exit the command, go to the Data Dictionary to define the field, and then return to the Census Specifications.
- An option has been added to define a field value whether or not the value in the data is missing. This is particularly useful for saved calculation data, to ensure that if data was manually modified, fields that are dependent on that data are properly defined.

Field:	LastPayDate		▼ Ne <u>w</u>	
Default	value or express	sion:		
#EFFDAT	E EarnHistBase			
1				
Array D For reco	ords selected by	ult :		
Array D For reco	ords selected by	ult : mates ⊽ Final	Galculations	5
Array D For reco Applical Replace:	ords selected by ble to: ⊽ Estim	ult : ates 🔽 Final zero values	Calculations	5

Calculation Results

- Output Definition results now parse nicely when saved to Excel. This enhancement facilitates the use of such results for generating forms and letters.
- Rather than showing all (irrelevant) calculation dates, cash balance detailed results now start with the calculation date immediately preceding the date of the empirical accrued benefit.
- Service Definition Set calculation dates will no longer include dates prior to the adjusted hire date even if that date is specified somewhere in the plan setup.
- The terminology for user-specified errors and warnings has been changed from "first failure date" to "condition first met."
- The "condition first met" for user-specified errors and warnings is now included in server output similarly to desktop output.
- Several detailed results output tables have been clarified and footnotes have been added, especially with respect to cash balance parsing.

 Added a warning message if the "Benefit Definition varies by" option (decrement, commencement or payment form) of an Output Definition differs from the specification for the XML output field.

Data Load Tool

A new command has been added to the Tools menu to allow you to load data from an existing ProVal database into an Access database (*.mdb or *.accdb) for use with ProAdmin. The new Data Load tool can also automatically create the ProAdmin Data Dictionary fields and Database Linkage, so you can immediately run calculations after setting up the plan rules. For some information on how to use the new tool, see <u>Data Load Tool</u> on page 16. Additional information is available in the command reference help.

Interface

- System plans are not included in the tree under Other Calculations.
- A library entry's dependent objects can now be viewed by:
 - Right clicking on a list view item, and clicking "Referenced By" in the popup list.
 - Clicking on the new "Ref'd By" button on the main form.

Benefit Formu	la Component Libra	ıry			
[™] ∰	aje 🗈	🗙 🔩	™_ 2°		્ડુ
<u>N</u> ew Edit	Rename <u>C</u> opy	Erase Hide	<u>U</u> nhide Compare	View Imp_ort	Ref'd <u>B</u> y

• Clicking on the new "Ref'd By" button when editing a library through a backdoor button.

Benefit Fo	rmula Component Library - Pension
•	Object "AccDef - RetBen" is referenced by: Benefit Definitions Library - Pension: Traditional Plan - Accrued Benefit Traditional Retirement - termed Traditional Retirement - Unlimited Benefit Formula Component Library - Pension: retben_highest retben_highest retben_Max retben_noMax Output Definitions Library: Batch Calculation Result Benefit Calculation Result Calculation Results Statement Results
	<u>OK</u> <u>Print</u>

• There is a new Copy button available in places like sample lives, output, etc. that places the entire contents of the viewer on the clipboard. This allows results to be quickly copied to Excel for analysis.

📐 Estimate Ca	alculation Outp	ut		
🛃 <u>P</u> rint	A Preview	🛃 <u>F</u> ile	🗈 <u>С</u> ору	

System

 You can now open a client read only by choice so that you won't block other users who need write access.



When saving results to a file (e.g., Excel), you can specify the extension (e.g., *.xls or *.xlsx) simply by choosing from the dropdown list. Previously, you might have had to type it in.

File <u>n</u> ame:	myfile 🗸
Save as <u>t</u> ype:	Excel (*.xlsx)
	Word document (tables only) (*.docx) Word 97-2003 document (tables only) (*.doc)
1	Excel (*.xlsx)
	EXCEL97-2003 (",XIS) CSV (comma delimited) (* csv)
	Text (*.txt)
	Access database (*.accdb)
	Access database (*.mdb)

- A bug has been fixed that caused the PVOUT file to keep growing because packing the files could not eliminate deleted Estimate, Final and Dates/Age/Service calculations. This stranded data will automatically be deleted when client files are updated to this version 3.04.
- Speed up calculations that use a Database Linkage. The Database Linkage and Schema of the ADO database will no longer be validated before each calculation is run.
- Add the INI file setting [Config] CursorLocation to allow the user to specify the location of the cursor service as either 2 = adUseServer or 3 = adUseClient. The default value is CursorLocation=2.

Changes Log

• Be sure to read the changes log (see the "changes log.doc" file in the ProAdmin directory) about updates to certain calculations that may change results.



Two Greenwich Office Park Greenwich, CT 06831

tel: (203) 861-5530 fax: (203) 861-5531 email: support@winklevoss.com website: www.winklevoss.com

Data Load Tool

A new command has been added to the Tools menu to allow you to load data from an existing ProVal database into an Access database (*.mdb or *.accdb) for use with ProAdmin. The new Data Load tool can also automatically create the ProAdmin Data Dictionary fields and Database Linkage, so you can immediately run calculations after setting up the plan rules

Data Load - [<new>]</new>	? <mark>- × -</mark>
Name: ProHamin From ProVal 2012 Database Linkage: Access - Database - MDB - ProVal 2012	
Source File C:\Users\higgins\Documents\proadmin_files\proval client\Data 2012.sf	Browse Client Directory
Default Person ID Field: ID 🔹	
ProAdmin Field- ProVal Field(click to edit)BeneDateOfBirth- SpDOBBeneSex- SpSexDateOfBirth- DOBDateOfHire- DOH* EarnHistBase- Salary* EarnHistBase- SalaryLY	<u>Map Fields</u> <u>A</u> dd/Omit
EeSex - Sex LastName - Name * ServiceRoll - Service SSN - ID * StatusHistory - Status * VestBen - AccBen	<u>F</u> ield Attribs
* Incomplete [] Add to Data Dictionary	
Load data <u>V</u> iew <u>R</u> eplace Save As <u>N</u> ew <u>E</u> ras	ce Cancel

The **Source File** section of the dialog box (1) identifies the ProVal database file to be loaded, (2) sets the location of the ProVal client files, and (3) defines the Default Person Id in the ProVal Database file.

- The Client Directory... button, is where you set the location of the ProVal client files. By default it will use the path specified in the source file setting.
- Default Person ID Field is the field in the ProVal database file that identifies each record and will be used to define the key Person ID field in the Access database.

C:\Users\higgins\Documents\proadmin_files\proval client\Data 2012.sf	<u>B</u> rowse
	Client Directory
Default Person ID Field: ID	

The **Target Fields** section of the dialog box identifies the fields from the ProVal database that will be loaded into the Access database specified by the Database Linkage selection.

BeneDateOfBirth BeneSex DateOfBinth	- SpDOB - SpSex - DOB	<u>M</u> ap Fields
DateOfHire EarnHistBase EarnHistBase	- DOB - DOH - Salary - SalaryLY	<u>A</u> dd/Omit
EeSex LastName SocialSecurityNu StatusHistory VestBen	- Sex - Name mber - ID - Status - AccBen	<u>F</u> ield Attribs

 Click on the Map Fields button to add fields. This will open up the Column Mapping dialog box. The left column lists all of the fields contained in the ProVal database file. In the right hand column you can select <ignore> (don't' import this field), <add to dictionary> (create a new field in the Data Dictionary with the same name and type as the ProVal database field), or the field from the ProAdmin Data Dictionary that corresponds to the ProVal database field.

🕀 Colu	ımn Mappings	3	×
	ProVal Database Fields	ProAdmin Data Dictionary Fields	
6	Form {coded}	<ignore></ignore>	
7	ID {ssn}	SocialSecurityNumber {char}	
8	Name {char}	LastName {char}	
9	RecID {numeric}	[RecID] {numeric}	
10	Salary {numeric}	EarnHistBase {num s/s arr}	
11	SalaryLY {numeric}	EarnHistBase {num s/s arr}	
12	Service {numeric}	<add dictionary="" to=""></add>	
13	Sex {coded}	EeSex{coded}	
14	SpDOB {date}	BeneDateOfBirth {date}	
15	SpSex {coded}	BeneSex {coded}	
16	Status {coded}	StatusHistory {coded eff arr}	
17	ValDate {date}	<iqnore></iqnore>	Ŧ
		[] Add to data dictionary	
		<u>O</u> K <u>C</u> ancel	

• Additions to the ProAdmin data dictionary will be identified using brackets and incomplete mappings (array and coded fields) will be identified using an asterisk.

To finalize the target field definitions, click on the field in the Target Fields list and the Target Field Mapping dialog box will open. The Target Field Mapping (1) displays details of the ProAdmin Data Dictionary field, (2) allows you to define details such as start and stop date information for array fields, (3) allows you to map coded fields for existing ProAdmin database fields, and (4) provides a preview of the ProVal data to be loaded.

Target Fi	eld Map	oping									1	2
Target	(Prof	Admin Data	Dictiona	ry fie	1d) ———							
Field: Type:	Eas Nur	mHistBase meric; Star	t∕Stop da	ate de	pendent ar	ray						
Source -												
Value												
Pro	Val I	ield: <mark>Sal</mark> a	aryLY					.	Reco	incile Cod	ed Labels	
Start O H	Date ProVa	l Field:	<u></u>					Y				
• F	Fixed	Date:	1/1/2011									
Stop D)ate Prolla	√ no earlie 1 Field:	er than P	roAdmi	in field:	Date	OfHire	e		<u>•</u>		
	ruva	I Fleiu.										
• I	Fixed	Date:	12/31/20	11								
	F	🗸 no later	than Pro	Admin	field: I	ate0f	Term			-		
ProVal	Data	Preview —										
RecID	ID	SalaryLY	AccBen	Age	CovgCode	DOB	DOH	Form	Name	Salary	Service	
1	9182	40590.37		25.409		8/4/19	{8/15/2I	(ABELL,	42213.99	4.379781420	1
2	2745	38827.55		35.377		8/16/1	\$5/24/20	(ABELL,	40380.65	3.606557377	2
3	5263	39256.37		40.562		6/9/19	19/23/19	¢.	ABEL, V	40826.62	15.27322404	2
4	2650	40742.39		38.729		4/9/19	10/1/20	(ADAMS	42372.09	8.251366120	2
	4092	38380.61		32		1/1/19	{5/22/21	(ADAMS	39915.83	3.612021857	2
5	1032	44,000 54		49.945		1/21/1	\$1/12/20	(ADAMS	42952.53	5.969945355	1
5 6	7445	41300.51						6		4 40 700 00	07 FC010000	
5 6 7	7445	137240.32		51.248		10/2/1	\$6/10/1 <u>\$</u>	4	ADAMS	142729.93	27.56010926	1 -
5 6 7	7445	41300.51 137240.32		51.248		10/2/1	§6/10/19		ADAMS	142729.93	127.56010920	- -
5 6 7 • • •	7445 4475 of Re	41300.51 137240.32 cords: 100) (1:	51.248)	10/2/1	<u>\$6/10/1</u>	·	ADAMS	142729.93	27.56010326	

 Under the Source section of this dialog, you can set the additional attributes for array fields. These dates can either be mapped from a Field in the ProVal database file or specified as a Fixed Date. If a fixed date is selected, "no earlier than ProAdmin field" and/or "no later than ProAdmin field" constraints can be added to the field mapping instructions. Similar mapping can be done for effective date array fields. If the ProVal field is a coded field and it is mapped to an existing ProAdmin Data Dictionary field, you can click on Reconcile Coded Labels... to reconcile the ProVal and ProAdmin codes & labels associated with this field. The data load tool can Match Values based on either Codes (exact matches only) or Labels. When you select labels, it can be set to exact matches (ignoring case) or Allow similar matches. The Map ProVal Codes and Labels section of the dialog box displays how the reconciliation will be interpreted by the data load tool.

🞗 Data Load - Coded field m	apping		? 💌
Coded field: Statu	sHistory		
Match Value based C Codes (exact m C Labels C Require ex C Allow simi Map ProVal Codes	d on atches only) act matches (ign lar matches and Labels:	oring case)	
ProVal	ProVal	ProAdmin	
Label	Code	Label {Code}	
Active	1	Active {10}	<u>E</u> dit Codes/Labels
Beneficiary	2	LOA - Military {52}	
Death w/out beneficia	5	Death {40}	
Retired	3	Retired {30}	
Terminated Vested	4	Terminated {20}	
	<u>0</u> K	[] Add to data dictionary Cancel	

Note that if you are mapping a ProVal coded field to what will be a new ProAdmin field, you can modify the ProAdmin codes and labels through the Field Attributes button on the main Data Load dialog.

• The ProVal Data Preview section displays the data that will be imported. The Number of Records is defaulted to 100 or if lesser the total number of records in your ProVal database.

RecID	Salary	AccBen	Age	CovgCode	DOB	DOH	Form	ID	Name	SalaryLY	Service	
	42213.99		25.409		8/4/198	8/15/20	6	9182	ABELL	40590.37	4.379781420	i I
	40380.65		35.377		8/16/19	5/24/20		2745	ABELL,	38827.55	3.606557377	1
3	40826.62		40.562		6/9/193	9/23/15		5263	ABEL V	39256.37	15.27322404	
4	42372.09		38.729		4/9/19	10/1/20		2650	ADAMS	40742.39	8.251366120	È.
5	39915.83		32		1/1/198	5/22/20		4092	ADAMS	38380.61	3.612021857	È.
5	42952.53		49.945		1/21/19	1/12/20		7445	ADAMS	41300.51	5.969945355	£.
7	142729.93		51.248		10/2/19	6/10/15		4475	ADAMS	137240.32	27.56010928	i -
•	1							1100000			,	

Once the source file location and field mapping tasks have been completed, click on the **Load data...** button to begin or review the load process. A series of dialog boxes will guide you through the three steps of the data load process.

et Fields (click to preview)		Target Data Pro	eview —		
BeneDateOfBirth	- SpDOB	RecID	ID	DOB	
BeneSex	- SpSex	1	918204069	8/4/1986	
DateOfBirth DateOfHive	- DOB	2	274545871	8/16/1976	
EarnHistBase	- Salary	3	526326620	6/9/1971	
EarnHistBase	- SalaryLY	4	265064442	4/9/1973	
LeSex LastName	- Sex - Name	5	409211193	1/1/1980	
SocialSecurityNumber	- ID	6	74456390	1/21/1962	
StatusHistory	- Status	7	447532712	10/2/1960	
VestBen	- AccBen	8	430090553	1/5/1972	
		9	130645036	7/31/1964	
		10	276229312	12/9/1946	
		11	59399730	5/4/1983	
		12	576075166	12/3/1978	
		13	845535694	12/11/1962	
		14	217379091	12/27/1950	
		15	91377650	12/17/1961	
		16	631228597	8/13/1981	-
Incomplete		(limited)			

Step 1 is to preview the target data. This dialog box allows you to review data, field by field, for a limited number of data load records from the ProVal database. No data changes can be made within this step, but it provides an opportunity to view reasonability of the data for several records within the source database. To preview data for a different field, select another Target Field entry. With a target field selected, the Target Data Preview section of the data that will be written to Access. RecID is always shown, but won't be written to Access unless it's the Person ID. If the selected target field is an array field, additional data may be shown which will allow the user to validate the effective, start, and stop dates.

🛞 Load Data: Step 2 of 3	? ×
Selection Expression for ProVal Database (blank means all records):	
MC Occase Detailerer	
	Browse
Constance Detabase Linksgo	
Greate new Database Linkage: Database Linkage	
Processing codes: If the MS Access database file already exists C Append to file C Replace © Quit data load	
If an error occurs during the Data Load, abort and © Reset database © Don't reset database	
If data already exists for an individual • Abort the Data Load • Skip the person with the problem (no data written for that person)	
C Skip the problem and continuing writing data for that person	
Quit loading data after errors	
If creating or replacing the database	
Cancel < <u>B</u> ack <u>N</u> ext >	<u> </u>

Step 2 is designed to (1) provide instructions for record selection, (2) name the new database and database linkage (if applicable), and (3) define handling of duplicate records and errors.

The Selection Expression for the ProVal Database allows you to use a logical expression to select a subset of the records (such as active participants) from the ProVal database to be loaded into an Access database. If the text box is left blank, all records will be loaded.

If you have chosen to <Create Database Linkage> as part of this Data Load, Step 2 of 3 is where you enter the path and file name for the MS Access Database to be created or updated by this load process. You may also change the default name for the new database linkage.

The Processing codes section defaults to what are intended to be the most useful choices for dealing with duplicate records and errors, but provides additional options. For example, if the MS Access database file already exists, the default processing selection is to Quit data load. Alternatively, you may choose to either Append to file, which will add the new records to the existing ProAdmin database, or Replace the existing ProAdmin database entirely with the new data (and possibly a new table/field structure).

Step 3 (Finish) process the data load. When complete, a processing report is created summarizing the processing statistics, including elapsed time of processing, record counts, errors and warnings encountered, and details of any new fields that were created.