# ProAdmin

# What's New in version 3.09

# September 2016

ProAdmin version 3.09 introduces a notes feature for documenting your work, a change history for library entries, data default detailed exhibits, input pass thru array fields, expanded age and rounding parameters, and many other features listed below.

## Interface

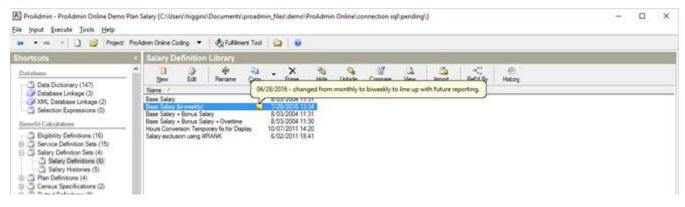
 Notes. Do you write long entry names because you're trying to document some essential detail? Now you can enter notes instead. They are separate from the name and there's plenty of space to describe the details. Simply click the button and enter a note.

Plan Def	inition	s Library					
"≞ <u>N</u> ew	ii) Edit	aj̇́e Rename	⊑ <u>C</u> opy	↓ X Erase	ч Hide	اللہ <u>U</u> nhide	Compare
Name						Modified	
		efit calculations			3/11/	2016 11:40	
			-	10.001.00000			

When used in conjunction with the new Change History feature (discussed under "Reviewers" below), this new feature allows you, for example, to track library changes and tag them back to client requests.

A Notes	?	×
Ø6∕28/2016 - changed from monthly to biweekly to line up with future reporting.		
<u>Cl</u> ear <u>O</u> K <u>C</u> ancel		

In the library, you can hover your mouse over the  $\blacksquare$  image to read the note without having to edit the entry.



#### **Data Dictionary**

• **Display first.** Allows you to indicate fields that, when reviewing data prior to running a calculation, should be shown first, before ProAdmin's traditional alphabetic sort of referenced fields. You no longer need to search through the review data tabs, for example, to set the beneficiary type and date of birth. To use this new feature, open the field attributes dialog box for the data dictionary field and check the **Display first when reviewing data** box at the bottom of the dialog.

AddLine1	Description: Address First Line	
Field type:	Formatting style:	
Character 🔹		
□ Date dependent array ⓒ Start / Stop dat ⓒ Effective date	-	
Return:	All values 💌	
Assign coded labels	<u>C</u> oded Labels	
✓ Display first when a	weujewinα data	

The Data Dictionary library now has a sort column that will contain F for those fields to show first.

🛥 🔹 🚽 🗋 📴 Project	PreAc	triin Online Codi	ng 🔹	Futimer	nt Tool	3							
nortcuts	15	Data Dictio	onary /	ProAdmin)									
Outabose	^	New	) Edit	aje Rename	Copy	X Erase	Hde	Unhide	Vew	import.	Ref'd By		
- Data Dictionary (147) Database Linkage (3)		Туре	17	Name	36493	Descri	111-0-0	- Microsoft		1 House and	1 10010 202	Modified	
- (7) XML Database Linkage (2) - (1) Selection Expressions (0) Remefit Calculations		Char Char Date Char Char		AddCity AddLine1 BeneDateOfBit BeneFintName BeneLastName	E	Benefi Benefi	es City ss First Line ciary date of ciary First N ciary Last N	erne.				8/05/2016 16:27 8/05/2016 16:28 8/05/2016 16:27 8/05/2016 16:28 8/05/2016 16:28	
Eligibility Definitions (16)     Service Definition Sets (15)     Service Definition Sets (4)     Periode Definitions (4)     Definitions (4)     Definitions (7)     Output Definitions (7)     Projection Assumptions (1)     Definitions (7)     Definitions     Definitions (7)     Definitions     Definitions		Num S/S Ar Over Over Over	F 4 4	EarnHistBase State Zp AddLine2		Addres Addres	ge History bi is State is Zip Code is Second L					8/09/2016 16:27 8/09/2016 16:28 8/09/2016 16:28 11/12/2007 12:42	
		Num Coded Char Num Coded Num Eff Arr Date Eff Arr Num Eff Arr Num Eff Arr		Bene Sex Bene SSN Bene Type Ben Frozen Ben Hist BYDte Calc Ad Addt Ar Calc Ad Addt Ar	nt1 nt2	Benefi Benefi Memb Benefi Calcul Calcul	ciary Type fr er frozen ber t History Elfe ation Adjustr stion Adjustr	ctive Date vent Additionation nent Additionation	ulta al Amount 1 al Amount 2			8/25/2004 11:06 7/22/2004 10:07 8/04/2004 15:33 8/04/2004 10:34 3/27/2002 10:50 7/22/2004 13:59 7/22/2004 13:59	
		Num Elf Arr CalcAdjAddtAmt3 Num Elf Arr CalcAdjBenAntt Num Elf Arr CalcAdjSvcAmt Num Elf Arr CalcAdjSvcAmt Num CBAgeAtConv		Calculation Adjustment Additional Amount 3 Calculation Adjustment Benefit Amount Calculation Adjustment Service Amount Cash Balance member age @ convention Cash Balance member age @ convention			7/22/2004 13:59 7/22/2004 13:58 7/22/2004 13:59 7/22/2004 13:59						
Other Celculations		Date Num Eff Arr		CBConvDate CBGrossBegBa	alAtConv				aled privrit	nce @ conve	rsion	5/24/2011 13:35 7/22/2004 14:05	
Other Colcilations Dates/Age/Service (0) Batch Estimates (1) System Plans (10)		Num Eff An Num Eff An Num Eff An Num Eff An		CBGrossBenAt CBNQualBegB CBNQualBenAt CBPointsAtCon	Conv alAtConv tConv	Cash I Cash I Cash I	Balance mer Balance mer Balance mer	iber gross ber iber non-qual iber non-qual	hefit @ conv fied beginni	version ing balance @ @ conversion	conversion	7/22/2004 14:05 8/04/2004 10:47 8/04/2004 10:47 7/22/2004 14:04	

When reviewing data for a calculation, any fields with the new check box set will show alphabetically prior to all other fields.

\land Data Review				×
1 2 3				
Person ID: 111-	11-1122 Jur	mp to field:	Page •	1 of 3
AddCity: Milfo	ord			
AddLine1: 476	Wheelers Farms			
BeneDateOfBirth	: 8/22/1955			
BeneFirstName:	Mary			
BeneLastName:	Stacy			
* EarnHistBase:	Start Date	Stop Date	Value	
	1/01/1993	12/31/1993	9,000.00	
	1/01/1994	12/31/1994	9,000.00	
	1/01/1995	12/31/1995 12/31/1996	10,000.01	
State: CT Zip: 06461-123 AddLine2:	4			
	ale <b>v</b> puse <b>v</b> 2/31/2000			
	t when defaults are	applied.	ОК	Cancel

#### Database Linkage

• **Global WHERE clause.** This new feature allows you to set a global condition that will be applied to all fields that are linked on the Data Field Links tab. For example, if you need to add a condition that the data should be selected for a specific plan in addition to the Person ID, you can now set this once rather than having to specify it as a condition for each individual field.

🛞 Database Linkage - [Excel Data Linkage]	?	×
Database Link Person ID Data Field Links		
Default Person ID Column:		
SSN		
Note: This column will be used unless overridden within an individual field link definition.		
🔽 Include global WHERE		
PlanCode=12345		
Note: This expression will be added to the WHERE of every data field linkage, except SQL overrides (where you need to manually add it).		
Yiew         Replace         Save As New         Yalidate         Erase	Cance	

#### **Plan Definitions**

 Payment form rounding. A new option under Plan Definition > Plan Attributes > Miscellaneous Parameters allows you to round monthly payment form amounts up to the next cent (rather than the default rounding to the nearest cent) for both the member and beneficiary, or only for the beneficiary.

K Miscellaneous Parameters		-	?	×
-Payments Benefit payment frequency:	monthly			
Annuity payment timing:	beginning of period 🔻			
🔽 Round monthly benefit up for:	member & beneficiary 💌			

# Age Parameters

Age rounding. All places in ProAdmin that potentially perform an interpolation based on age – payment form conversions, benefit formula components, accrual basis components and relative value calculations – now provide the option to limit the number of decimals used for the age when interpolating. For example, for a member age 60y2m on a calculation date, previously an interpolated annuity factor would have been calculated as 10/12ths of the age 60 factor plus 2/12ths of the age 61 factor. Now, if age is rounded to 3 decimals, the calculation will be 0.833 times the age 60 factor plus 0.167 times the age 61 factor.

\land Age / Interpolation		?	×
Calculate annui C Nearest • <u>Last birtho</u> • In years C Exact ag	and completed 💌 months		
Interpolation:	C None		
	○ Linear □ Round age to decima	al pla	ices
Rounding:	• None		
_	○ Final factor only		
	C All steps		
Using roundin	g rule:		
Amount:			
Direction:	<b>_</b>		
🗌 Calculate fac	tors using beneficiary's age a	nd sex	ĸ
	<u>O</u> K Cancel		
			//

 Relative value age and interpolation. The same age and interpolation options are now available under Plan Definition > Relative Value Calculations as for all other payment form calculations.

Relative Value Calculations		?	×
🔽 Calculate lump sum equi	valent for payment forms		
Actuarial equivalence in			
Relative value AEQ	- <u></u>		
	○ Nearest • Last birthday • In years and completed ▼ months • Exact age		
<b>-</b>	O None • Linear ▼ Round age to   4    decimal places		

#### **Custom Operators**

 Age methodology. A new parameter has been added under the Computation Age and Law Year topic of PIA custom operators to allow use of the Social Security Administration (SSA) age methodology. When checked, the calculation mirrors the behavior of the SSA's Detailed Calculator "Anypia" by: (1) treating participants born on the first day of the month as if they were born on the preceding day, and (2) ignoring the day of birth when calculating early retirement reductions.

🛞 Computation Age & Law Year	?	×
Computation Age SSNRA C Age y 0 m Decrement age if later Reduce (increase) PIA for early (late) commencement Allow CPI increases after decrement Assume computation age attained at decrement		
Law Year • Current law • Current law frozen in year • Current law frozen in year of date field	Ţ	]
🔽 Reflect Social Security Administration age methodology		
Perform a disability PIA calculation		
Freeze PIA at disability date <pre>section </pre>		
🗌 Do not round final PIA		
<u>O</u> K Cancel		/

# Mortality Rates

 When linking a mortality table to the base rates of another table, if the user checked "transform to unisex" but set age setback or adjustment factors to be sex-distinct, a message will be displayed to confirm parameter selection.

Mortality table: ▼ Transform to uni Age setback:	-	Annuity Mortality 7 % male and 50% female rates 7 Female: 0	
Adjustment factor:	Male:  1	Female: 1 Cancel	
dmin ortality will be sex distin	ct not unisex becau	se the age setback	
	d females.		

### **Output Definitions**

- Input Pass Thru arrays. Database fields that are arrays are now available as input pass thru's as long as they are written above the decrement level within an XML linkage. When writing Output Definition results to Access, all array values are written to a new table called InputPassThruArrays.
- **Codes or labels.** Coded fields input pass thru's, whether scalar or array fields, now allow for the output of either the codes or the labels.
- **Date output.** Components whose name ends in \_DT, and database fields the reference date Data Dictionary fields, will now display and be written to file as dates rather than numbers. However, for XML and Server Output Definitions, the type of the XML element in the Schema still controls whether you see a number, date, or string.

 Beneficiary age standard output. The beneficiary age is now available as a Standard Result for XML and Desktop Output Definitions. In the case of Server Output Definitions, beneficiary age can be mapped to an XML Output Tag on the Standard tab of the XML Output Linkage.

🛞 Standard Result		?	×
Description: Benef	iciary Age		
Output Field Name:	BeneAge		
Calculation Value:	<ul> <li>Age at decrement</li> <li>Age at commencement</li> <li>Beneficiary age at commencement</li> <li>Lump sum equivalent interest rate</li> <li>Normal Retirement Date</li> <li>Social Security normal retirement</li> <li>User ID</li> </ul>	age	
<u>R</u> eplace	Save As <u>N</u> ew <u>O</u> mit	Cancel	

• **Tag lookup.** The button for looking up XML paths in Desktop XML Output Definitions, as well as the XML Input Database Linkage and XML Output Linkage, has been enhanced to include sortable columns of (where applicable) tags, the data type of the element, the node name, and the XML path.

elect a	an XML container path or	r tag name/path:		
Туре 🕖	XML Path			_
Num	BeneficiaryID			
Char	LastName			
Char	Title			
Char	Initials			
Char	FirstName			
Date	DateOfBirth			
lum	Sex			
Char	SocialSecurityNumber			
Char	RelationshipType			
Num	RelationshipTypeCode			
Date	LegalStartDate			
Date	LegalEndDate			
Num	NominatedAmount			
Num	NominatedPercentage			
		ОК	Cancel	

- **Pretty XML.** Pretty Print XML format is now used when saving Desktop (XML) Output Definition results to a file.
- **Sort by name.** Benefit level output, details of final average salaries, benefit formula components and interest rates, and the list of server input pass thru's not included in the Output Definition are now sorted by name within Output Definition results and XML files.

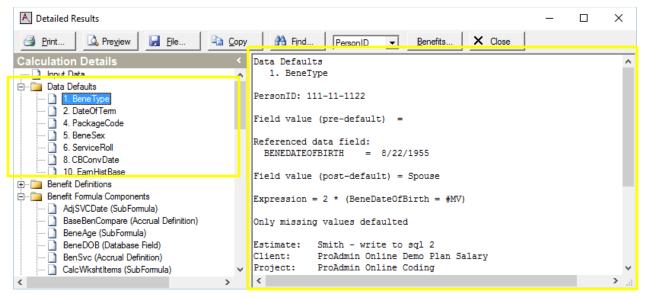
# Calculations

- **Smarter exclusions.** Calculations are no longer aborted for missing data if that data does not apply to them. For example, a calculation for a member in location "A" will no longer abort because data needed for a Benefit Definition applicable only to members in location "B" is missing. This reduces the need to set data defaults.
- Aborted calculations can now be saved. Calculations that aborted during a run can now be saved. This is helpful for verifying user-defined error conditions. Such calculations will now show in the Final, Estimated and Dates/Age/Service Calculations Libraries with a type of "A". In addition, clicking the View button will allow display of the processing messages at the time of the abort. Any change in the processing messages of a calculation that aborts will also be included in any Run & Compare evaluations.

	kdmin Online Coding 🔻 🏼 🐴 Fulfilm		ent Tool								
Shortcuts		Estimate	d Benel	fit Calculat	tions Ll	brai	ry				
Database	^	New	Edit	aje Rename	Copy	•	X Erase	Hide	Unhide	Compare	
<ul> <li>Bata Dictionary (147)</li> <li>Database Linkage (3)</li> </ul>		/   Name		163	User ID	1		Modfied	Size		
XML Database Linkage (3)     XML Database Linkage (2)     Selection Expressions (0)     Benefit Calculations		Jones Smith - vinite to sol 2 111-11-1122 * higgins * 1 Jones - th Jones - not in data			Higgins Higgins Higgins Higgins Higgins	liggins 8 liggins 8 liggins 8	8/12/2016 16:21 8/12/2016 16:07 8/31/2016 07:17 8/31/2016 07:18 8/31/2016 07:18		272 KB 250 KB 243 KB 287 KB 272 KB		
Eligibility Definitions (16)		Jones -t	test of output mapping		Higgins	8/31/20	16 07:18	74 KB			
	• no match A Jones (frozen			a magger (g	4/06/2012 10:36 8/31/2016 07:18		12 10:36				

## **Detailed Results**

 Data defaults exhibits. A new "Data Defaults" node, displayed directly under the Input Data node when data defaults were applied, details the calculation of each database field that was defaulted.

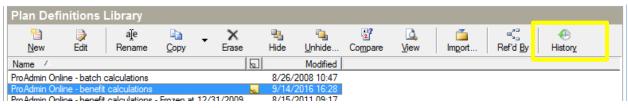


• **Count of fields defaulted**. When more than 6 fields are defaulted for a calculation, the processing messages will now display a count of the number of fields defaulted rather than a list of field names. This cuts down the "clutter" in the processing messages for plans with a substantial amount of data defaults. The new Detailed Results feature above provides full information on the defaults applied if needed.

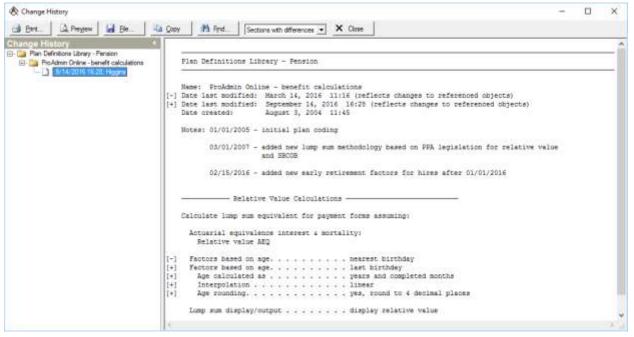
K Estimate Calculation Output	_		$\times$					
Print A Preview File Copy								
Estimated Benefit Calculation completed (Elapsed time 0:00:02)			^					
Non-sequential data have been removed from Historical Interest Rate Table: 30 Year Treas Rate.csv								
User-defined Warnings			-					
Census warnings: This person may be in excess of the 401(a)17 limits calculation needs to be reviewed								
Data Defaulte Depulte								
7 fields were defaulted (see Detailed Results > Data Defaults).								
Warnings								
The results for cash balance component "CashBalanceBenefit" may be			~					
<			>					

# Reviewers

• **Change history for library entries.** Changes are now logged every time you edit an existing entry and click Replace. To see the changes, select one or more entries and click History.



This displays the entire history for the selected entries, from the most recent change to the original change. Selecting a particular change, you can see the details of what changed in a format similar to comparing two library entries, including the option to switch the view between "Sections with differences" and "All sections".



To view the complete change history across all libraries in a client, use File > Change History.

# Help

- **New FAQs.** The following article have been added to the FAQs section of the help:
  - o Cash balance accrual when no service is earned
  - Coding Service for early & late retirement factors
  - Computing final average earnings in the past
  - Determining final average earnings when plan year is not the first of any month
  - How can I protect a data field from user edits?
  - How do I project hours at different rates?

# Changes Log

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



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