

## ProActive Tools 5.2f Release Notes

These release notes describe changes and enhancements made to ProActive Tools since release 5.2. Please keep these notes with the ProActive Tools 5.2 User Guide. Changes for release 5.2f are listed below and are followed by changes for release 5.2a – 5.2e. This release supports ND6 and Notes 5. This functionality was added in release 5.2d.

### **ProActive Assistant**

There are no changes to ProActive Assistant in release 5.2f

### **ProActive Load**

#### **Replication Activity added to ProActive Load**

ProActive Load can now perform multi-threaded replication for multiple users from one Notes workstation. Threads can replicate local databases with server replicas. Care must be taken to ensure that local replicas for each thread exist and are available to the Load machine. The table below contains the parameters and syntax for the Replicate activity.

#### **Parameters used in Replicate scenarios:**

<b>Keyword</b>	<b>Value</b>	<b>Default</b>	<b>User in Assist?</b>	<b>Used in Load?</b>
Activity	Replicate		No	Yes
DBName	DBName can be thread specific. This is a local database with a replica on the server	From General	No	Yes
NumSets	Number (or numeric range) of times to run a count activity	From General	No	Yes
ReceiveDocs <sup>1</sup>	Yes/No – If yes, local replica will receive documents from the server copy	Yes	No	Yes
RunID	Value to be placed in the RunID column of the Results file for this activity	From General	No	Yes
RunType	Count/Timed – When Count, NumSets applies. – When Timed, TestDuration applies	From General	No	Yes
SendDocs <sup>1</sup>	Yes/No – If yes, local replica will send documents to the server copy	Yes	No	Yes
Server	Lotus Domino server - Server where the database replica is located	From General	No	Yes
SleepTime	Number (or numeric range) of seconds to sleep between activity iterations	10 Sec.	No	Yes

<sup>1</sup> If both ReceiveDocs and SendDocs are No, documents are not sent and not received.

The Replication activity can be placed in a scenario with other activities to create a workload followed by a replication. Local database replicas can be named using the <Thread> variable. For example TestUser<Thread>. For this type of scenario it is a best practice to control looping in the Activity Sets section rather than with NumSets in the Replicate activity. You can use SleepTime ranges to make the work done occur in a random fashion. For example if you want threads to replicate every 5 minutes on average, set the SleepTime to 1-600 seconds. For the Replicate scenario to more closely approximate scheduled replication, you might set the SleepTime to 300, which would cause replication to occur on a 5-minute interval for each thread.

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SampleReplicate.ini can be found in the PATools program directory.

### Load can now do profile document reads

Many Notes custom applications use profile lookups to populate keyword lists and for default values in documents. These profile document reads can now be simulated with ProActive Load. One or more reads can be done in an activity and all resolved values are written to the result file. The last read done in the activity can also be written to a field in the open document with the ProfileValue tag. Note that profile document reads can only be done in User Defined activities. In order to perform a profile read with Load, the database containing the profile must first be opened.

Example syntax is shown below.

Command	= GetProfileField	
ProfileName	= SomeProfileName	'Profile name
FieldName	= SomeProfileFieldName	'Profile field name
SelectValue	= 1-3	'For a multi-value field – range allowed

Field = SomeFieldName = <ProfileValue> 'Puts the last read into a field named SomeFieldName

### The Iteration tag in Load has been enhanced

The iteration tag, <Iteration>, in Load now is incremented each time an activity repeats due to looping in the Activity Sets section or as a result of the NumSets parameter in the activity. The Iteration tag can be placed anywhere to the right of the equal symbol in the scenario.

### Load can now create encryptable fields in documents.

This change allows Load to create encryptable fields on Notes documents. For this to work the Encrypt parameter in the Mail activity must be set to yes. Please be aware that Load does not actually encrypt the field, but does create an encryptable field. This is contrary to what is stated in the printed documentation for ProActive Tools 5.2

### Load now traps problems with Windows performance counters

The displays Windows performance counters on the lower part of the Main tab while the scenario is running. These values are refreshed every 10 seconds. These values are also written to the timeline result file every 60 seconds. When Load is unable to access these Windows performance counters the following error message appears.

<insert error message here>

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### **ProActive Tools changes 5.2a – 5.2e**

The changes below are not included in the ProActive Tools Users Guide 5.2.

#### **ProActive Assistant**

##### **Invitation SendTo and CopyTo fields not populated in Notes 6**

Calendar activities in Assistant have been corrected to correctly populate invitation SendTo and CopyTo fields when working with Notes 6. For invitations, it will populate SendTo and CopyTo if the Template version is 4 or if the client version is 6 (or greater). In all other cases, it will populate EnterSendTo and EnterCopyTo instead.

##### **Edit Activity does not work with Notes 6**

Assistant's Edit Activity does not work in with Notes 6, but continues to work with earlier Notes releases. To work-around this in Notes 6, use the User Defined scenarios named UDEdit1.ini, UDEdit2 and UDEdit3.ini located in the Assistant program directory to find and edit documents with Assistant. UDEdit1.ini uses a quick search of the first sorted column in the view to locate the first document with the FindString in the subject. UDEdit2.ini uses the search bar to perform a text search for the FindString anywhere in the document. UDEdit3.ini navigates down and edits a document.

##### **Time values for invitations and appointments**

Time can be either a single value (for a reminder) or a time range (<start time> - <end time>) for invitations and appointments. The R4 design of the mailfile had only one field to represent the time range for appointments and invitations. R5 designs and beyond have separate fields for start date, start time, end date, end time. In R5, even though there is a start date and end date, they MUST be the same - otherwise a messagebox, "Cannot span midnight", is displayed. If the mailfile is an R5 design, Assistant parses the Time parameter and places the appropriate values in the start time and end time fields.

##### **Problems opening the People view in an R5 pubnames database using User Defined commands**

In order to open the People view in an R5 pubnames database using User Defined, use "Command = Open View" followed by "View = People". The View parameter for Open Database does not work in this case.

##### **Pop-up security messages may cause problems for Assistant**

Assistant may have problems handling pop-up security messages, Trust signer, execute once, etc. Before running Assistant, provide the test user all necessary access to the all forms, views, and agents. If Assistant encounters a pop-up security message the scenario may hang and invalidate the test run.

##### **Mobile Notes may cause Assistant to fail**

There is one known instance of a problem running ProActive Assistant on a workstation with Mobile Notes installed. In this case, the registry entries Notes.Session and Notes.NotesUIWorkspace were missing. ProActive Assistant failed with the error message "Error 42: Memory Access Violation". When a standard version of Notes was installed, the problem vanished. Inspection showed that the standard installation of Notes added the missing entries to the registry.

##### **View names and alias names with Assistant**

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If a View (or Folder) is not found, ProActive Assistant looks in an internal table of common aliases. If an alias is found, Assistant attempts to open the view using the alias name. The following are the views and aliases:

<b>View Name</b>	<b>Alias Name</b>
All Documents	(\$All)
Discussion Threads	Threads
Inbox	(\$Inbox)
Trash	(\$Trash)
Drafts	(\$Drafts)
Sent	(\$Sent)
To Do\By Category	ToDoByCategory
To Do\By Status	ToDoByStatus

#### **Ctrl-A not always available**

Ctrl-A does not work in Native OS fields (new with R5). Ctrl-A only works in Notes style fields, and so the Assistant command <Ctrl A> only works in Notes style fields as well. The menu command <MENU Edit\Select All> does not work either, for the same reason. When you need to select text in a Native OS style field, use <Shift End>.

#### **Password now a parameter on SwitchId and SwitchLocation**

Password is now a parameter on SwitchId and SwitchLocation in the Activities section. Note that the PASSWORD parameter must IMMEDIATELY follow the SwitchId or SwitchLocation parameter.

#### **Assistant can now perform Searches on R5 Help databases**

ProActive Assistant can now perform Searches on R5 Help databases. Only the Find Activity can be used for these searches. All other activities will post an error message in the CSV file when R5 Help databases are specified.

#### **Lotus bug in the R5 header affects Assistant FieldSize parameter**

There is a Lotus bug in the R5 header feature that causes the Assistant FieldSize parameter to expand data from the subject field, instead of from the body field as specified in Mail Activities in the scenario. It seems to affect the current field that the LotusScript objects (and OLE) see.

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### ProActive Load

#### **Graph improved**

The auto selection of values in the min/max text boxes on the "Resize Graph" popup form have been improved.

#### **Load search for Notes.ini improved**

A 'Find' button has been added to the AlternateNotesIni form (which pops up when 'Proactiv.ini' has a bogus 'NotesIniPath=' statement, but a valid "named" Notes.Ini was found on the current path).

ProActiv.ini, the “Out-of-the-Box” scenario, ships with this value set to ????. This forces the user to either select or type in the path to the desired Notes.ini.

#### **Load now able to create Author and Reader fields**

Authors and Readers fields (FieldAuthors and FieldReaders) can now be created with Load. Author and Reader fields require valid user names, either flat or canonical. When multiple names are used in Authors or Readers fields, separate entries with a semicolon and enclose the entire set of entries in quotes.

FieldAuthors = “Test User1;TestUser2;Testuser3”

FieldReaders = “Test User1;TestUser2;Testuser3”

#### **Load’s number-type fields and date-type fields renamed**

Number (FieldNumber) and date (FieldTimeDate) fields have been renamed, to be consistent with the new author and reader fields. The old syntax for number fields, FieldN, has been changed to FieldNumber. The old syntax for date fields, FieldTD, is now FieldTimeDate.

#### **Notes program directory must be on system path**

ProActive Load requires the Notes program directory (where Notes executables like Nnotes.dll and notes.exe are located) to be on the operating system path. When launched, Load looks for Nnotes.dll and uses the one found first on the path. If not found, Load will not run and an error message will tell you to add the directory containing Nnotes.dll to your path. Do not copy Nnotes.dll or other Notes files to your Load directory.

#### **Load’s graph scale can be modified**

The scale for the real-time graphing feature in Load’s Front End, that displays the progress of the six counters, can now be modified. This allows small changes to be more easily seen. The min/max fields on the "Reset Graph Scale" form are initialized to the current y-axis min/max values at the time the form is opened. These scale values can be changed while the program is running.

#### **Load’s Lookup command allows lookups on databases other than the currently open database**

The User Defined Lookup command has been enhanced to allow lookups on databases other than the currently open database. The name of the command has changed from “Lookup” to “DbLookup”, to match the Lotus @Function syntax. The last lookup done can be written to a field in an open document in edit mode by using the <Lookup> tag as shown below. Load will remember the last lookup value for each thread, until another lookup is done.

Command	=	DbLookup	‘New parameter name
Server	=	TestServer	‘Server for the lookup database

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DbName	=	Test.nsf	'Database for the lookup
View	=	TestView	'View for the lookup
Key	=	TestKey	'Key for the lookup
Field	=	TestField	'Field value to return for the lookup
Command	=	Close Document	
Field	=	Name = <Lookup>	'Field on document assigned value of lookup
Save	=	Yes	
Send	=	No	
Sign	=	No	
Encrypt	=	No	

#### Load error display improved

Path and filename have been added to title bar on the window that displays errors from the Load front end. G2PAERR.LST is the default error filename, but any valid path and filename may be specified in the scenario.

#### Notes configurations for ProActive Load:

1. The best Notes configuration is a clean workstation with one notes client installed. ProActive Load should always work with this Notes configuration. This is also the only Notes configuration supported by Lotus.
2. When both a server and a client are installed on the same machine, install the Notes server first, and then install the Notes client of the same release into the same directory. If you have a server and client installed in different directories, place the server on the path before the client or remove the client from the path before running Load.
3. If you have more than one Notes client installed, place the version Load should use on the path first, or remove the other client(s) from the path before running Load. Use the General Section Parameter, NotesIniPath, in the Load scenario to force Load to use the desired Notes.ini.