



PROTAGE Final System Prototype

Test Scenarios for Sweden

Version 0.6

Lead Editors: Magnus Geber, Robert Sjökvist (RA)

Status: Final Draft

Dissemination level: Public

SEVENTH FRAMEWORK PROGRAMME THEME

ICT -1-4.1 Digital libraries and technology-enhanced learning

Project full title: PReservation Organizations using Tools in AGent Environments

Grant agreement no.: 216746



Table of Contents

Contents

Table of Contents.....	2
Introduction.....	3
1. Scenario 1: Creating a new collection	4
2. Scenario 2: Selecting friends	5
3. Scenario 3: Searching for action plans from your own ones and from the access point	6
4. Scenario 4: Searching for action plans from other users	7
5. Scenario 5: Executing an action plan.....	8
6. Scenario 6: Using the migration support agent	9
7. Scenario 7: Creating a new action plan.....	10
8. Technical support.....	10

Introduction

The test scenarios described in this document present the main functionality currently available in PROTAGE final system client application. For testing purposes we have identified and ask you to go through the following seven scenarios:

- Creating a new collection
- Selecting friends
- Searching for action plans from your own ones and from the access point
- Searching for action plans from other users (friends and friend's of friends)
- Executing an action plan
- Using the migration support agent
- Creating a new action plan.

For some of the test scenarios you need to have friends in the PROTAGE system. To get a direct result these users should be on-line. For this purpose the project has set up some users which are supposed to be on-line continuously. These users also have specific action plans and collections with specific file formats.

Information about these users and their other data is found in the document "Protage users for tests" at the Testing PROTAGE web site. Be sure to have the latest version as this document might be updated.

Part I: Test Scenarios

1. Scenario 1: Creating a new collection

Alice is a hobby photographer with a large collection of digital photographs. She is concerned with the long-term usability of her photos and decides to download and install the PROTAGE system – a tool to help her in maintaining her digital photos accessible for the long term.

To start working with PROTAGE solution she first creates a new collection, which means that she selects the location where she stores her photos and adds a few elements of description.

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Log into PROTAGE with your user name and password	The PROTAGE client application window appears showing the Collection Profiles view
2	Click "New"	All the fields under "Basic Information" and "Detailed Information" turn blank
3	Select "Type" Input "Name" and "Description" Add "Source Folder(s)" This is the folder where your files are located (for example C:\My photos). Set "Destination Folder". This is the folder where processed files from this collection will be stored (for example C:\My preserved photos). Destination folder can not be a subfolder of the Source folder	You get the message that the collection profile has been saved and "Collection Statistics" will show information about the source folders (numbers of files and folders, the total size of files and detailed information about how many files there are for every file type)
4	Click "Save"	You can see the name of your saved collection on the left side of screen under Collections and Collection Information of the selected collection on the right of the screen.

2. Scenario 2: Selecting friends

Alice has learnt that to get more feedback you should have a network in the PROTAGE-system. She finds some users she knows and trust already within the system. She adds these as her friends

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Select Management and Friends Management from the Protage application main menu.	The Friends Management view opens showing the list of all Protage Users to the right. There is also a column which informs you which users are online at the moment.
2	You can get to know more about a user by clicking on it.	A User Information icon appears with some more information about the user.
3	Choose a user from the document “Protage users for tests”, select it on the right column and press the bottom.	The user is moved to the left column, your friends.
4	Save your changes by pressing the Save button.	You will get the information that your friends list has been updated.
5	Click OK	The pop-up and the Friends Management window will close

3. Scenario 3: Searching for action plans from your own ones and from the access point

Next Alice tries to find some tools to improve the long-term usability of her photos and apply some preservation actions. To do so she makes a query for existing action plans using the keyword "images".

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Select the Action Plans option from the Protage application main menu	The Action Plans view opens showing the list of "My Action Plans", a frame for more detailed information on a selected action plan and a "Search for Action Plans" section
2	Choose a keyword, input it into the appropriate text box; also select "Agent-Based Intelligent Search" and click "Search"	The "Agent Search Log" will tell you that the search has started and what is the likely deadline of the search results. When an action plan is found it is added to the "Local Result" or "MAS Result" lists
3	The default Action Plans in your collection are the same as at Access point. To be able to get a "Remote Result" from Access point, delete one of our local Action Plans, for example "Calc MD5". Select it under My Action Plans and use the Delete button. Repeat step 2 with relevant keyword, for example "calc".	The chosen action plan will occur under the "MAS Result" list.
4	It is possible to download results from the „Remote Result" list into your computer. To do so click on the name of the Action Plan and click the Save button	The Action Plan will be added to your local Action Plans Name of the Action Plan that you saved can be seen in the list of My Action Plans on the left of screen. For easier finding you can sort the list by Name.

4. Scenario 4: Searching for action plans from other users

Alice gets the result that her selected Access Point already has an Action Plan called „Image Migration“. Next she tries to search for action plans also from her friends in the system. Alice knows that her friend Bruno is also a Protage user, thus she adds Bruno as her friend in the Protage system. After doing so she initiates a new search based on the keyword "jpg photo". As a response she receives an Action Plan from Cristel, who is a friend of Bruno in Protage.


The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Look at the document “Protage users for tests” to find suitable Action Plans among you friends to search for. Search keywords will get result from Action Plan name, keyword and description. If you chose a common keyword you might get a hit on your local Action Plans or on access point instead by a friend.	
2	Browse to Management -> Friends Management in the application menu	The Friends Management window opens and lists your friends and all other Protage users
3	Check if the chosen user really is online.	
4	Click Cancel	The Friends Management window will close
5	Browse to Action Plans in the application menu, choose a keyword, select “Agent-Based Intelligent Search” and click “Search”. If you want to search for a user in a country with a time-zone before you, you have to increase the deadline time, as the default setting is one hour. If you for example are in Sweden and want to search at friends in Estonia you have to set the deadline to be a least a bit more than an hour.	The “Agent Search Log” will tell you that the search has started and what is the likely deadline of the search results. When an action plan is found it is added to the “Remote Result” list
6	You can also find an Action Plan by a friend’s friend. By looking at the document “Protage users for tests” and “Friends Management” you can find and Action Plan to search for by a friend’s friend if both are on-line. Repeat step 4 with a relevant keyword.	The “Agent Search Log” will tell you that the search has started and what is the likely deadline of the search results. When an action plan is found it is added to the “Remote Result” list
7	It is possible to download results from the „Remote Result” list into your computer. To do so click on the name of the Action Plan and click the Save button	The Action Plan will be added to your local Action Plans

5. Scenario 5: Executing an action plan

Alice decides to try out one of the Action Plans she found from Cristel and downloaded into the list of her local Action Plans.

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Browse to Action Plan Execution from the application menu	The Action Plan Execution view opens and lets you choose an action plan to execute, and a collection on which to execute it
2	From the My Collections drop down list select an appropriate collection which includes for example .jpg files Click "Execute"	Under "Execution Details" information about the collection will appear (name, ID, Type, source folders, size of source folders, number of files in source folder and output folder)
3	From the My Action Plans drop down list select an action plan which contains the action "PNG Image converter"	Under "Execution Details" information about the action plan will appear (name, ID, description)
4	Click "Execute"	The progress bar under "Execution Details" is moving from 0% to 100% when finished. The result is showing in the table below the progress bar
5	Select a row in the result list under the progress bar	The text box under the list shows information about the conversion; if it failed, then why and which files were not converted
6	Check if you have succeeded to go through scenario 4	A mark  Completed appears in the column Status in the table below the progress bar

6. Scenario 6: Using the migration support agent

Alice is more or less satisfied with the results of the execution of the Action Plan. However, she wonders whether and how much other users are concerned with preserving JPEG files. To get a picture about this, Alice deploys the Migration Support Agent and receives a response that questions on preservation of JPEG files are quite common in the system.

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	<p>Go to “Management” -> “Agent Configuration” -> “Migration Support Agent”</p> <ul style="list-style-type: none"> • Set “Maximum Degrees of Separation” to 2 • Set “Frequency of Appraisal” to 5 minutes • Click OK • Wait for at least 5 minutes 	<p>Every five minutes the list is updated with what file formats are used by your friends and friend’s friends.</p>
2	<p>Go back to “Management” -> “Agent Configuration” -> “Migration Support Agent”</p> <p>Click “Update table”</p> <p>Now you can select from what time you want to see the status. Choose the time under the dropdown “Select appraisal datetime”. Be aware that the sorting order is a bit peculiar.</p>	<p>You will be presented the frequency of the use file types. It describes how many of the selected users who have each specific file types in their collection.</p>
3	<p>By changing your friends you will get another result. Check in the document “Protage users for tests” and chose to add or take away a friend under Friends Management.</p>	
4	<p>Do step 2 again.</p>	<p>You will see a different result</p>

7. Scenario 7: Creating a new action plan

Alice now thinks that the Action Plan converting JPG files into PNG files could do a little bit more. So she creates a new Action Plan and includes there two actions: the original PNG converter action and an action to create technical metadata on the converted files. She saves the Action Plan and thus makes it available for all other Protage users through the agent search.

The detailed steps in this scenario are the following:

Step	Do this	Then this will happen
1	Browse to the „Action Plans“ view Click ”Create new”	The fields under “General” turn blank
2	Insert ”Name”, ”Topic”, “Keywords”, ”Description” Click “Save”	You get the message that the action plan has been saved and the action plan is added to the list “My Action Plans”
3	Go to “Actions” in the action plans view and select the actions needed for the task in “Existing Actions” and click the arrow that goes to the right	The actions will be added to “Actions Used in The Action Plan”
4	Click ”Save”	You get the message that the action plan has been updated and the action plan is added as a new version in the list “My Action plans”
5	Check if you have succeeded to go through scenario 6	Name and version of the Action Plan that you saved can be seen in the list of My Action Plans on the left of screen.

8. Technical support

Technical support during testing is provided through two e-mail addresses:

support@protage.eu

protage@ra.ee