Attention Tool® — Sharing Module

This document provides an overview of study sharing functionality and the interactions between different components, a step-by-step instruction to setup study sharing between two machines and pointers to retrieve information during a study sharing session.

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Overview

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Overview

**Introduction:** Study sharing feature enables a Study which has been set up in one installation of Attention Tool to be shared with other installations of Attention Tool. The different installations of Attention Tool may be physically located in remote locations or on different computers. A name-address look up server called the Directory Server helps to locate all Attention Tool installations in the network.

This document provides an overview of study sharing functionality and the interactions between different components, a step-by-step instruction to setup study sharing between two machines and pointers to retrieve information during a study sharing session.

**Important Terms:**

**Site:** A site in this document denotes a machine with an installation of Attention Tool that is running, connected to the internet and enabled for study sharing.

**Study Owner:** The site which sets up the study for sharing is called a 'Study owner'. This site shares study with one or more sites.

**Data Collector:** These sites collect data on behalf of the owner for the shared study. They are uniquely identified by their site or installation name.

Note: The terms “Study Owner” and “Data Collector” are contextual and the roles can be reversed.

**Directory Server:** All the installations of Attention Tool which have agreed to be part of a network, locate other sites through a Directory Server. This server is deployed in iMotions hosting domain. The server acts as a central repository. It stores information about network addresses of study owners, data collectors, their online status and study download/upload status. The server however does not store any data related to the actual study including the actual eye tracking data or the analysis.
Setup Requirements:

- The two installations of Attention Tool should have the “Study Sharing” feature licensed.
- The two installations of Attention Tool should be located on the same logical network either through connecting on the same physical network or setting up a VPN connection.
- In order to Share a study or merge a study back, the two Attention Tool installations should be online.
- Add a port (default 2757) exception in Windows Firewall.
- Screen resolution used at all the sites must be the same.
- Eye tracking equipment used at all the sites must be the same.

The role of the Directory Server is only to provide messaging, lookup and status information. The actual data transfer (upload/download) is in between the sites. A download or upload task will fail if the intended receiver Site is either offline or not running.

Restrictions:
1. A shared study cannot be edited or deleted.
Work Flow

The following workflow details the setups required to share a study between 2 Sites of Attention tool during study sharing. For instruction purposes, the Study Owner (Site where the study originates from) is called **Site 1** and the Data Collector (Site where the study is received and tested) is called **Site 2**.

**Create and Share a study from Site 1:**

- A shared study is setup as any normal study. A shared study can also be setup using a test plan.

  **Note:** Make sure the tracker model used and screen resolution is the same to the tracker model and resolution used on the destination site.

- Add Stimulus to the study as you do for any other normal study. A shared study supports all type of Stimulus supported in Attention Tool.

- Add Respondents to the study as you do for any normal study. The “Group Name” field associated with the respondents can be used to group respondents. Later during sharing, a group of respondents can be shared to a Data Collector Site.

  **Note:** Only one group of respondents can be shared to any given data collector.

- To share the study, select the study created above. Navigate to the “Study Sharing” tab in the Study Previewer. This tab provides a list of Attention Tool Sites available in the network to share the study. A study is shared by selecting the Site in the list and filling in the “Number of Respondents” field.

  **Note:** There are two options to select respondents, one is to select a predefined group of respondents and the other is to define a “limit” number of respondents to be collected. If you select limit, you need to manually fill in the number of respondents required for the study.
5. After you select the Site(s) you want to share the study with, Click the button “Share” and wait for the action to be performed. You can later update the sharing list by selecting/unselecting the Sites and clicking the “Update” button.

**Note:** You will need to keep Attention Tool running until all the data collectors download your study. This can be confirmed from the “Status” column in the “Study Sharing” tab. If the status for any of the Site shows “Study Pending to be downloaded” it means the data collector did not complete the download.
Work Flow

Receiving study on Site 2

To receive a study on Site 2:

1. Ensure the computer running Site 2 is online.
2. Shared study will be automatically downloaded to your Site 2 and will appear in the Library browser under the list of studies.
3. Begin data collection as with any other normal study.
4. After a respondent is tested successfully, the data is immediately uploaded to Site 1 if both the Sites are online. Otherwise, the upload will be performed when online at a later point in time.
5. After all the defined/required respondents are tested, a message is shown on Site 2 informing that the required data is collected and will be uploaded. Once the data is uploaded, the study is automatically removed from the study library on Site 2.

Complete study sharing on Site 1:

A Study sharing workflow is completed by finalizing the study. Finalizing a study will inform the data collectors to upload any pending data, and stop the study sharing session, regardless of whether the data collectors have collected all their assigned respondents or not. If a data collector is offline the owner will have to wait until he is back online, and uploads the data.

To finalize the study on Site 1

• Select the shared study and navigate to the “Study Sharing” tab.
• Click the button “Finalize” at the bottom of the previewer.
• Accept the message about the effect of the finalize action.
• Wait for Site 2 to respond with the finalize acknowledgement.
• Once the “finalize” action is complete, the shared study is converted to a normal study in the library.
Status Information

Note: If you want to cancel the sharing at any point, Click the “Cancel” button next to the “Finalize” button. Canceling a study will stop the study sharing session immediately, without giving data collectors a chance to upload their data. Consequently this can lead to a loss of data. A study owner may choose to cancel a shared study due to interminable problems with the data collector's network

Status information available in the Study sharing workflow:

**Study Library:** The studies that are part of a study sharing workflow are marked with an icon before the study name in the library list.

- represents a shared study
- represent a data collecting study

**Study Previewer:** The previewer available through “Study Sharing” tab provides status about:

1. Data collecting status for all the Sites a study is shared with. The status has information on the number of respondents tested out of the total assigned to all the Sites and the number of respondent data merged and available to the study owner.

2. Data collecting status for the individual data collector selected in the list associated with a shared study.

**Network Browser:** Provides a list of all the Sites available for study sharing in a network, their online/offline status.
### Status Information

**Network Browser**

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Status</th>
<th>Credits</th>
<th>Connected Tracker</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 4.0 beta test</td>
<td>Offline</td>
<td></td>
<td>Tobii T60</td>
</tr>
<tr>
<td>DC1AT40</td>
<td></td>
<td>56</td>
<td>Mouse Simulator</td>
</tr>
<tr>
<td>DC2AT40</td>
<td>Offline</td>
<td></td>
<td>Tobii 1750</td>
</tr>
<tr>
<td>DC2AT40_2</td>
<td></td>
<td>22</td>
<td>Tobii 1750</td>
</tr>
<tr>
<td>Dell_Vostro1400</td>
<td>Offline</td>
<td></td>
<td>Tobii T60</td>
</tr>
<tr>
<td>G-force</td>
<td>Offline</td>
<td></td>
<td>Tobii 1750</td>
</tr>
</tbody>
</table>

**Status:** DC1AT40 is online, has sharing license, is part of network, is collecting data and sharing studies.
If you have any questions or doubts do not hesitate to contact us

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Happy Testing!

The iMotions Team