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Subscriber Archive Controller (SAC) v3.0.6.2
Application Notes
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Night Sky Creations
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1.0 General Description

A number of Subscriber Kiosk owners are approaching 10,000 subscribers, the maximum limit for a Master Kiosk (Pro Model). The Subscriber Archive Controller (SAC) is an optional accessory item that enables Subscriber Kiosk owners to synchronize multiple Master Kiosks (Standard and Pro models only) to create a virtual subscriber list with essentially unlimited capacity. See section 6 below for Master Kiosk and SISBox script version compatibility requirements.

2.0 How it Works

When a Master Kiosk becomes full or nearly full, the owner takes a copy into inventory then rezzes it, renames it and performs a few simple steps to convert it to an Archive Master Kiosk (see setup details in section 3 below). The original Master Kiosk can now have its subscriber list cleared and is ready to collect more subscribers. In order to keep this primary Master Kiosk and one or more Archive Master Kiosks synchronized, the SAC is rezzed and configured with the name(s) of the Archive Master Kiosk(s). The primary Master Kiosk Config notecard is also modified to include the name of the SAC. If a SISBox is used with the primary Master Kiosk, it must also be configured with the name of the SAC if the subscriber verification option is enabled.

When someone subscribes or unsubscribes (via either a Master or Remote Kiosk), a message is sent to all Archive Master Kiosks via the SAC to delete that avatar. This ensures that if the avatar is unsubscribing they will be deleted from all Archive Master Kiosks as well as the Primary Master Kiosk. If someone subscribes and they are already listed in one of the Archive Master Kiosks, they will be added to the Primary Master Kiosk and deleted from all Archive Master Kiosks. This prevents duplication of subscribers in multiple kiosks.

The above synchronization process also takes place when an avatar is manually added or removed from the list via the Edit List command or via an API SUB_ADD or SUB_DEL command. The synchronization process does not take place when adding subscriber records from a Subscriber Backup notecard using the Restore or Append command, however if the notecard contains an avatar deletion entry (avatar UUID preceded by a minus sign), the avatar will be deleted from all Archive Master Kiosks as well as the primary Master Kiosk.

In order to send an IM or inventory item(s) to the entire list, including avatars in the Archive Master Kiosk(s), Just drop the IMCard and/or inventory item(s) into the primary Master Kiosk and send normally. The IMCard and/or inventory item(s) will be automatically sent to the Archive Master Kiosk(s) via the SAC, and then sent to the subscriber list contained in each Archive Master Kiosk. Note that if you are using filters to restrict sending to a subset of the list, you must manually set the filter in the primary and all Archive Master Kiosks.

3.0 Setup Instructions

NOTE: Before proceeding, make sure your current Master Kiosk (and SISBox, if applicable) have been updated to the script versions described in section 6 below. If this is not done, the SAC will not work.

3.1 Creating an Archive Master Kiosk

3.1.1 Take a copy of the current Master Kiosk into inventory, leaving the original rezzed in world. This might also be a good time to make a full backup to a text file on your local PC. See the Subscriber Kiosk Instruction Manual if you don't know how to do that.

3.1.2 Rez the copy from inventory anywhere in the same sim, preferably in an area that does not get public traffic. Answer 'No' if you are asked a question about attempting to resync with existing Remote Kiosks.

3.1.3 Rename the kiosk to something different from the original (e.g. 'My Main Kiosk Archive 1').

3.1.4 If you have a SISBox that is part of this kiosk's linkset, unlink and delete it.

3.1.5 It is recommend that you also unlink and delete the Subscribe and Unsubscribe buttons from the Archive Master Kiosk to prevent anyone from subscribing or unsubscribing directly to it.

3.1.6 Remove the parameters listed below from the Subscriber Config notecard in all Archive Master Kiosks. Parameters can be removed by either deleting the entire parameter line, commenting it out by prefixing it with // or deleting all characters following the equal sign.

3.1.6(a). SISBox=

3.1.6(b). SubUnsubIMAddr=

3.1.6(c). SubUnsubEMAddr=

3.1.6(d). AutoUpdateCheck=

3.1.6(e). ArchiveControllerName=

CAUTION: It is very important to remove the ArchiveControllerName= parameter, if present, from all Archive Master Kiosks. Otherwise an endless loop will result when updating or sending. If this should occur, touch the SAC to restart it, then correct the problem.

3.2 Setting up the Subscriber Archive Controller (SAC).

3.2.1 Rez the SAC object anywhere in the same sim as the primary and archive Master Kiosks. You can rename it if desired. Note that if you have more than one SAC (e.g. multiple independent groups of primary and archive Master Kiosks), each SAC and

primary/archive Master Kiosk under common ownership in the sim must have a unique name.

3.2.2 Modify the SAC Subscriber Archive Config Notecard parameters as follows:

3.2.2(a). Put the name of the Archive Master Kiosk after the line starting ArchiveName=. If you have more than one Archive Master Kiosk, put each one on a separate line.

3.2.2(b). Set SendSequential=0 or 1, depending on whether you want items sent from all Archive Master Kiosks at the same time (0) or sequentially (1). If you have several Archive Master Kiosks, sending sequentially reduces sim lag and prevents exceeding send rate limits, but takes longer.

3.2.2(c). Set HovText=0, 1 or 2, depending on whether you want hover text shown over the SAC always (2), only when not idle (1), or never (0).

3.2.3. Touch the SAC to restart it and read the Config notecard. If it fails to establish communications with any of the specified Archive Master Kiosks, an error message will be displayed in chat.

3.3 Re-configuring the original (primary) Master Kiosk

3.3.1 Touch the primary Master Kiosk and select 'Clear List'. This will remove all subscribers from the primary Master Kiosk so that it can start collecting new subscribers and not contain any duplicate subscribers that are in the Archive Master Kiosk(s).

3.3.2 Modify the Subscriber Config notecard by adding the name of the associated SAC following ArchiveControllerName=, then saving the notecard.

3.3.3. Saving the modified Subscriber Config notecard will trigger the primary Master Kiosk to re-read the notecard. An error message will be displayed in chat if the primary Master Kiosk is unable to establish communications with the specified SAC.

3.4 Re-Configuring a SISBox associated with the primary Master Kiosk

3.4.1 Modify the SISBox Config Notecard by adding the name of the associated SAC following ArchiveControllerName=, then saving the notecard.

3.4.2 Saving the modified SISBox Config notecard will trigger the primary Master Kiosk to re-read the notecard.

3.5 Testing the primary/archive Master Kiosk System

It is recommended the primary/archive communications be testing prior to operational use. Try subscribing and unsubscribing yourself from the primary Master Kiosk and verify that all Archive Master Kiosks go momentarily busy (after a short delay), indicating that the SAC is attempting to delete you from all Archive Master Kiosks. If you have the SAC hover text enabled, you can also verify what operation it is performing.

If you have a SISBox associated with the primary Master Kiosk that has subscriber verification enabled (SubKiosk= the name of your primary Master Kiosk), unsubscribe yourself then add yourself directly to one of the Archive Master Kiosks (but not to the primary Master Kiosk). If you have removed the Subscribe/Unsubscribe buttons, use the Edit List button to manually add yourself. Then touch the SISBox and verify your subscriber status is confirmed.

It should not be necessary to test the send functions since the above testing should confirm all communications are working. However when you send your first real IM or inventory item(s), observe the hover text over the SAC and Archive Master Kiosks to be sure everything is working OK.

4.0 Aborting an Operation

Sending IMs and/or items to a large list of subscribers can take a while. If a send operation was started in error, it can be stopped by selecting the ABORT button from the primary Master Kiosk. This will halt the current operation and clear any pending operations via the SAC. If you have enabled SendSequential and you abort the operation before all Archive Master Kiosks have sent their IM or item(s), you will have to manually remove the unsent IMCard and/or inventory item(s) from the Archive Master Kiosk(s). You can do that either via the Edit window, or by selecting the 'Remove Inv' button on the Archive Master Kiosk(s).

5.0 Limitations and Restrictions

5.1 All Master Kiosks (primary and archives) and the SAC must be located in the same sim.

5.2 All Master Kiosks (primary and archives) and the SAC must have the same owner.

5.3 Master Kiosk menu button commands other than those discussed in previous sections, apply only that kiosk (e.g. Show List, Clear List, Append, Restore, Remove Inv, Filter, Update).

5.4 Master Kiosks and SISBox must be updated per section 6 below to support the SAC functions.

5.5 The API SUB_FIND command will only search the Master Kiosk to which the command is sent. The API application must send this command to all primary/archive Master Kiosks individually to search the entire list.

6.0 Script Version Compatibility Requirements

6.1 Master Kiosk

The Master Kiosks must be updated to include the following script versions (or later), which are included in this SAC package as well as Update Release 6:

Subscriber Master: Version 3.0.6.2 or later.

Subscriber User: Version 3.0.6.3 or later.

Master Kiosks can be updated at no cost using the "Update" menu button (See Subscriber Kiosk Instruction Manual). Older Master Kiosk versions without an "Update" can be updated by getting a free update kit from the Subscriber Kiosk vendor at Night Sky. Also be sure to update the Subscriber Config notecard per section 3 above.

6.2 SISBox

If you have a SISBox associated with your primary Master Kiosk and have the subscriber verification function enabled (SubKiosk= name of your primary Master Kiosk), the SISBox Manager script needs to be updated to version 3.0.6.1 or later in order to enable the SISBox to search all Archive Master Kiosks. There is currently no automated process

for obtaining SISBox script updates. If you need a SISBox script update, send an IM or notecard to me (Fred Allandale). I will verify your SISBox ownership and send you an updated SISBox Manager script. Also be sure to update the SISBox Config notecard per section 3 above.

6.3 Updates are not necessary to Remote Kiosks or Remote TC Kiosks to support the SAC.

7.0 Comments and Questions

Please send comments and/or questions to Fred Allandale.

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