

# ScanNet® Group Count Archive Users Guide



Created by:

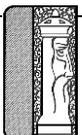
**Automation & Management Consulting, LLC**

*As of: 05-15-2013*



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# ScanNet® Group Count Archive

## Overview

The ScanNet® Group Count Archive program monitors DBA/Group Counts set-up in ScanNet®. The actual group counts are maintained by ScanNet. See the ScanNet users guide for setup of the group counts.

On a selected interval (15 minutes, 30 minutes or 1 hour) the counts are archived to a special table defined in the ScanNet® database. The current count along with the minimum and the maximum count achieved in the archive period are captured. If the option 'Save Credential Violators' is checked and the group is in overuse, then the program will archive the list of the credentials associated with the group.

Program can be run on any workstation that has ODBC access to the ScanNet® database.

In addition to monitoring the group counts, the program will also beep whenever any group is at or over its limit and highlight the entry in the monitoring window.

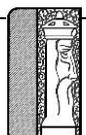
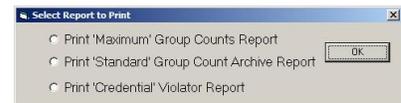
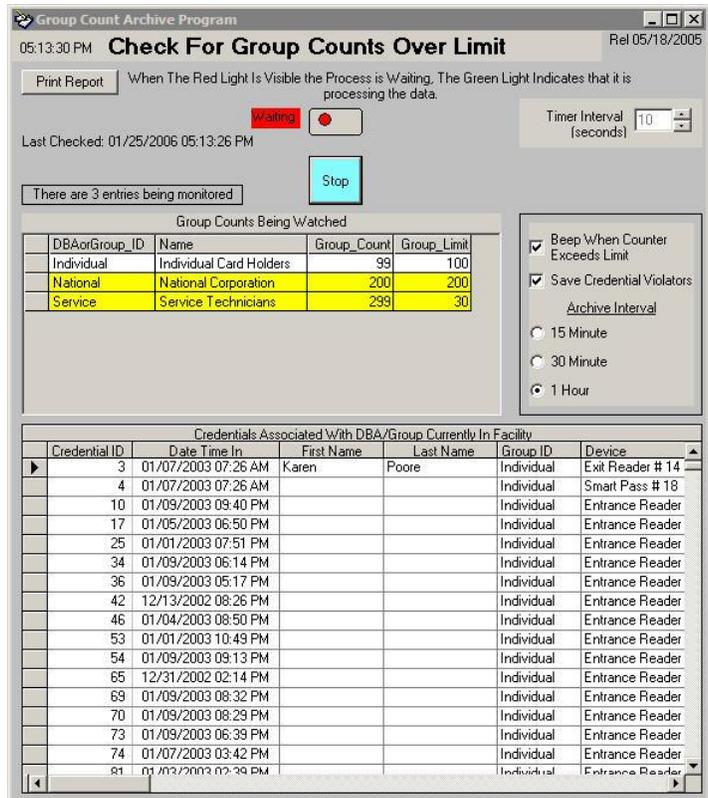
Installation is simple. Run the SETUP program on the provided CD. On first run of the program, the necessary set-up will automatically take place in the ScanNet® database.

Operations are simple as well. After launching the program, you simply click the 'START' button. The program will ask you if you want to do an immediate archive. It is up to the operator if they want to perform that archive.

There are three options on the screen that the operator can adjust. 'Timer Interval' is the number of seconds between checks of the group counts. 'Beep When Counter Exceeds Limit' check box will silence the beep for group overuse. 'Archive Interval' set the frequency of archiving the counts.

Another feature is the ability to 'watch' which credentials are currently considered 'IN' for a select DBA/Group. If the operator clicks on a group in the 'Group Counts Being Watched' grid, then the grid 'Credentials Associated With DBA/Group Currently In Facility' will be updated and will be continuously upgraded each time the 'Timer Interval' is reached.

The 'Print Report' button in the upper left hand corner will allow the operator to print one of three reports of the archive counts or credential violators over a select time period. The reports can be exported to Excel for further analysis.



## Prerequisites

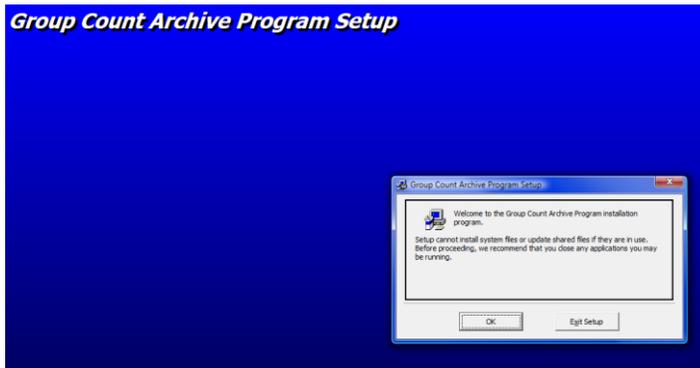
The system requires that ScanNet from Federal APD has been purchased and is installed. All dba/groups have been defined and credentials associated with the DBA/Group desired.

## Installation

The installation package consists of eight files.

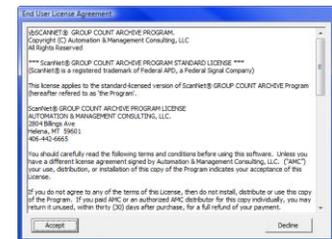
- Autorun.inf – Auto-run file of install files are contained on are movable media such as a DVD
- Setup.Exe - Setup executable program
- Setup.lst - File containing the listing of the files and locations contained in the install package
- GroupCountArchive.CAB – file contains all of the files to be installed as a part of the install execution
- Eula.txt (End User License Agreement) – required to acknowledge agree before program can be installed
- Mdac\_error.jpg – picture of an expected error during install
- GroupCountArchive.pdf & Doc – Cut sheet documentation for product

To install the application simply click on the setup.exe file on the installation disk or folder. The application setup will display the following form:



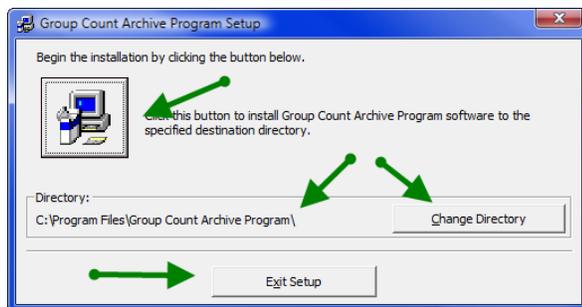
When this page is displayed, click the 'OK' button to start setup procedure.

When you click 'OK' the EULA will be displayed and the user must acknowledge acceptance of the EULA.



If you 'Decline' the program will not installed.

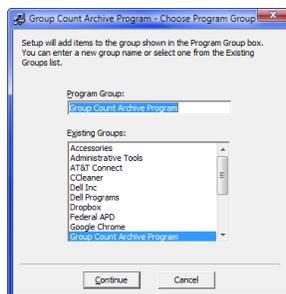
Once you accept the EULA, the installation of the application commences and will present the installation form. Examine the form and you can observe the default path or place where the application will be installed.



If the operator wants to change the path where the application is installed, select the 'Change Directory' button and specify the new folder.

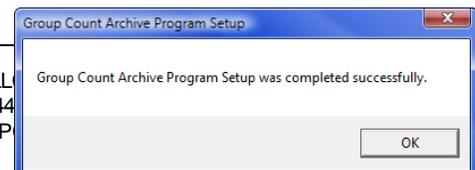
If the operator want to terminate the install, the operator should click the 'Exit Setup' button.

Once all is confirmed by the operator, they will click the large button (with the computer) in the upper left corner. This will launch the full install package.

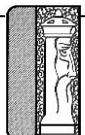


The operator will be presented with the suggested name of the programming group to be shown in the 'All Programs' area. You can change this or leave it the default value. Click 'Continue' to continue installing the application.

On certain Microsoft Operating systems, the install may generate an error when trying to install the Microsoft Data Access Component (MDAC). This error can be ignored by clicking the 'Cancel' button. Setup will continue and complete.

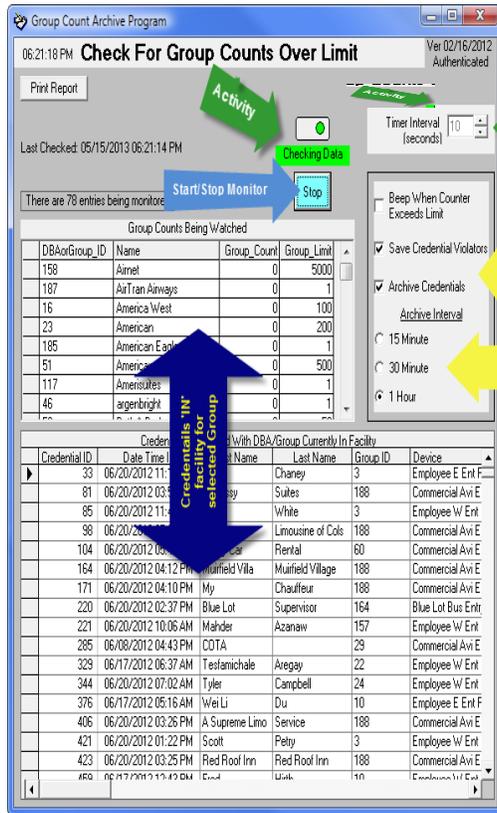


When installation is complete, you will see the following notice. Click 'Ok' to complete the installation process. Installation program will then close. You should now see and icon for the application on your desktop.



## Setup Parameters

All setup parameters are contained on the monitoring form. The parameters and meanings are as follows:



**Timer Interval** - Interval for program to check for changes in the group counts. Value is in seconds with a maximum of 60 seconds. This relates to the frequency that activity occurs and the 'Last Checked' Date and time are updated.

**Beep When Counter Exceeds Limit** – If checked, at each timer check interval, the program will beep for every group that is currently exceeding its Group Limit.

**Save Credential Violators** – If checked, at each timer check, if the group count has changed and the count has exceeded the group limit, program records all of the 'IN' credentials associated with the violating group.

**Archive Credentials** – If checked, whenever the group counts are archived, also archive all credentials currently 'IN' the facility that are assigned to a group.

**Archive Interval** – Frequency to store the Group Counts. This should be matched with the interval defined for archiving the gate and lane counts in ScanNet. Depending on the selection, the archive will take place on the interval. For instance, if 1 hour is selected, then the archive will occur on the hour, regardless when the monitor was initially started

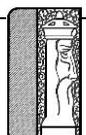
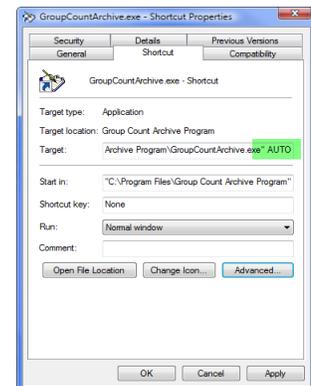
**Start/Stop Button** – Used to start the monitoring program or stop it from monitoring.

## Set Program to start monitoring Automatically

When the program is opened manually, the operator needs to specifically click the **Start** button. At the time the button is clicked, the program will ask the user if they want to archive the counts (and optionally the credentials) immediately. If the operator selects 'Yes' then group counts are archived. Operator will generally select 'No'.

It is generally desired to have the application automatically start monitoring and not archive counts immediately. To implement this feature, you need to create a shortcut to the Group Count Archive program 'GroupCountArchive.exe' and add a command line value of 'AUTO' and add to the Startup folder of the operating system.

The shortcut would look something like the following (depending on the operating system). Note the green highlighted area showing the command line parameter.



## Operations

The Group Count Archive program must be running at all times in order to be able to archive the group counts. It can be minimized. Program should be setup such that it will restart anytime the ScanNet server is restarted.

When the archive program is active, the operational form will look as shown at the right:

Note: The first time the application is run, it will perform the necessary database setup required for operations.

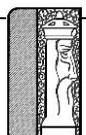
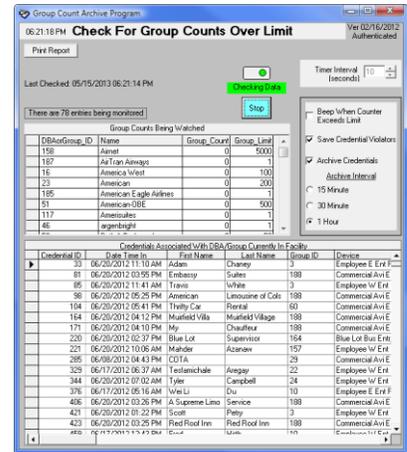
When the program is active, it will:

- Look at the time clock, If the specified time interval had been reached
  - archive all group counts
  - If 'Archive Credentials' is checked, then record all credentials 'IN' the facility for all of the groups

- Timer Interval Occurs

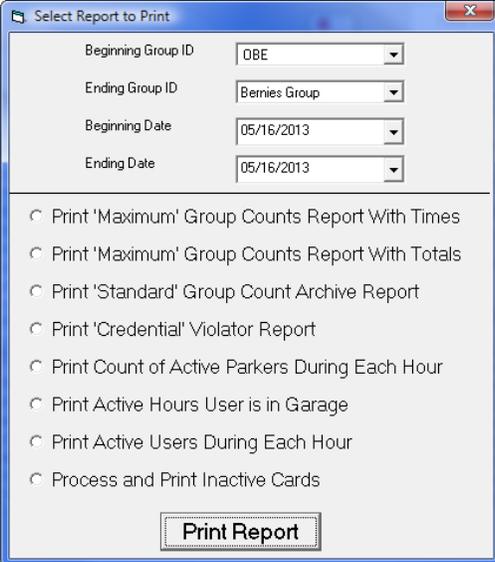
Look at the current counts for each group

- If a count exceeds the specified threshold for a group
  - Beep if 'Beep When Count Exceed Limit' is checked
  - Save all credentials associated with the group that are currently 'IN' the facility
  - Highlight the Group in the list so the operator can visually see which counts are over limit
  - All other normal operations of ScanNet related to Group Counts will also occur



## Reporting

There are 8 different reports that can be generated from the captured data. Reports can be generated while the monitor is running. To get to the report menu, click the  button, located in the upper left corner of the monitor form. The 'Select Report to Print' form will be displayed.



Select Report to Print

Beginning Group ID: OBE

Ending Group ID: Berries Group

Beginning Date: 05/16/2013

Ending Date: 05/16/2013

Print 'Maximum' Group Counts Report With Times

Print 'Maximum' Group Counts Report With Totals

Print 'Standard' Group Count Archive Report

Print 'Credential' Violator Report

Print Count of Active Parkers During Each Hour

Print Active Hours User is in Garage

Print Active Users During Each Hour

Process and Print Inactive Cards

**Print Report**

Before any report is printed, the operator should select the Group ID range. This defaults to all groups. Next the operator should select the date range for the archive data.

Remember, all of these reports will only report on data archived by the program. If the program is not running, then no data will be found for that period.

For samples of each report, see the following pages.

The first two reports will summarize by hour (regardless of the archive interval selected in setup) the count for each group on the hour and the time when the maximum count occurred.

Print 'Maximum' Group Counts Report With Times One row per hour showing group counts on the hour for each group and when, in the previous hour, the maximum count occurred. A 'total' line per day per group showing the maximum count and time when it occurred that **Maximum Group Counts Archive By Hour** day. Report Title is:

Print 'Maximum' Group Counts Report With Totals One row per hour showing the group counts on the hour for each group. A total for each day is also printed showing the maximum count for the group. Report Title is: **Maximum Group Counts Archive By Hour With Totals**

Print 'Standard' Group Count Archive Report For each day, for each Group, will print a row with statistics for each archive interval and a daily 'total'. Each row contains the archive time, group count, group limit, and minimum count for that hour, time minimum occurred, maximum count for that hour, time max occurred. Report Title is: **Group Counts Archive Report**

Print 'Credential' Violator Report Report is related to the parameter check box 'Archive Violators'. For select time period and groups will create a detailed report of the credentials 'IN' the facility at the time that the limit was exceeded. Report can be quite lengthy but also can be used to properly document over-use by a group. Report Title is: **Credential Violator Report**

Print Count of Active Parkers During Each Hour Report is related to the parameter check box 'Archive Credentials'. Report will generate, per group, a row per archive interval that will show the count at that interval period and the maximum count for the interval. Each row will contain the time of the interval, group count and maximum count. Report Title is: **Count of Active Parkers During Each Hour Report**

Print Active Hours User is in Garage Report is related to the parameter check box 'Archive Credentials'. Report will show, for each hour in a given day, a listing of each credential and an indicator as to the hours when the user was in the garage. Can be use to better document overuse for the organization responsible for the group. Report Title is: **Active Hours User is in Garage Report**



• Print Active Users During Each Hour

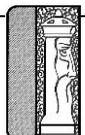
Report is related to the parameter check box 'Archive Credentials'. Report shows, for a given archive time, a list of the credentials that were in the facility.

Report Title is: Active Users During Each Hour Report

• Process and Print Inactive Cards

Using the option is actually a process followed by a report. The process will examine all credentials for the specified groups and determine the credentials that were not used during the time period specified. The report will be generated after processing the data.

Report Title is: Inactive Cards Report







### Maximum DBA/Group Counts By Hour

Beginning Group:   
 Ending Group: zzzzzzzzzz

Beginning Archive Date: 01/12/2004   
 Ending Archive Date: 01/12/2004

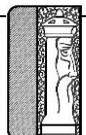
Printed on:   
 04/08/2004

**DATE: 01/12/2004**

Group Name	Individual Card Holders	National Corporation	Service Technicians
<b>Hour of Day</b>			
00:00 - 01:00	15 12:00:00AM	35 12:00:00AM	5 12:00:00AM
01:00 - 02:00	5 01:00:00AM	8 01:00:00AM	0 01:00:00AM
02:00 - 03:00	5 02:00:00AM	8 02:00:00AM	1 02:13:00AM
03:00 - 04:00	5 03:13:00AM	8 03:00:00AM	1 03:00:00AM
04:00 - 05:00	4 04:00:00AM	1 04:13:00AM	1 04:00:00AM
05:00 - 06:00	4 05:00:00AM	1 05:00:00AM	1 05:00:00AM
06:00 - 07:00	25 06:49:00AM	50 06:49:00AM	9 06:49:00AM
07:00 - 08:00	75 07:56:00AM	150 07:56:00AM	19 07:52:00AM
08:00 - 09:00	81 08:52:00AM	163 08:44:00AM	29 08:44:00AM
09:00 - 10:00	80 09:00:00AM	165 09:28:00AM	30 09:28:00AM
10:00 - 11:00	90 10:03:00AM	165 10:28:00AM	33 10:30:00AM
11:00 - 12:00	79 11:00:00AM	167 11:03:00AM	29 11:00:00AM

C:\Framework\GroupCountArchive\GroupCountsArchiveMax.rpt

Page: 1



**Count of Active Parkers During Each Hour Report**

**OBE**

<u>Date</u>	<u>Hour</u>	<u>Active Parkers</u>	<u>Max Value</u>
05/16/2013	08:35 AM	0	0
05/16/2013	08:37 AM	0	0
05/16/2013	08:38 AM	0	0
05/16/2013	08:40 AM	0	0

**Rural Metro Security**

<u>Date</u>	<u>Hour</u>	<u>Active Parkers</u>	<u>Max Value</u>
05/16/2013	08:35 AM	0	0
05/16/2013	08:37 AM	0	0
05/16/2013	08:38 AM	0	0
05/16/2013	08:40 AM	0	0

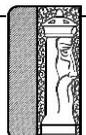
**Independence Air**

<u>Date</u>	<u>Hour</u>	<u>Active Parkers</u>	<u>Max Value</u>
05/16/2013	08:35 AM	0	0
05/16/2013	08:37 AM	0	0
05/16/2013	08:38 AM	0	0
05/16/2013	08:40 AM	0	0

**Deactivated**

<u>Date</u>	<u>Hour</u>	<u>Active Parkers</u>	<u>Max Value</u>
05/16/2013	08:35 AM	0	0
05/16/2013	08:37 AM	0	0
05/16/2013	08:38 AM	0	0
05/16/2013	08:40 AM	0	0

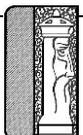
**Contractor**



### Active Hours User Is In Garage

Beginning Date and Time: 04/02/2009      Beginning Group:  
 Ending Date and Time: 04/03/2009      Ending Group:      *zzzzzzzz*

Card#	Parker Name	Date	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	12AM
10000	Ann Callahan	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10001	Belynda Walls	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10002	Bob Peters	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10003	Bruce Heskett	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10005	David Holman	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10006	Deborra Coghill	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10007	Franco Rigor	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10009	James Lovett	04/02/2009																		x	x	x	x	x	x	x
		04/03/2009	x	x	x	x	x	x	x	x	x															x
10012	Jason Brantley	04/02/2009																		x	x	x	x	x	x	x



### Active Users During Each Hour

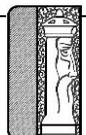
Beginning Date and Time: 04/03/2009

Beginning Group:

Ending Date and Time: 04/03/2009

Ending Group: *XXXXXXXXXX*

<u>Date</u>	<u>Hour</u>	<u>Name</u>	<u>Card Number</u>
04/03/2009	12:00 AM	Thuy Nguyen	10192
		Barth Olson	10202
		Lionel Greaves	10239
		Shared Card 36-02-1	10269
		Mike Sutton	10417
		Nancy Nuereberg	10252
		Shared Card 36-02-2	10270
		David Nelson	10111
		Jennifer Martin	10129
		Alexandra Johnston	10199
		Marilyn Ames	10244
		Shared Card 36-02-03	10271
		Shared Card AG - 4	10323
		Thomas Brown	10387
		Shared Card - MW - 3	10450
		Jason Brantley	10012
		Cheri Haigood	10039
		Yu Tran	10087
		Chris McCormack	10105
		Judy Nguyen	10136
		Marla Villanueva	10157
		Robert Berg	10174
		Yonsuk Munro	10194
		Luke Bienfang	10240
		Brian Torgerson	10344
		Jeremias Adowa	10379
		Maureen Mitchell	10414
		Ivan Landreth	10122
		Kendall Bateman	10140
		Mark Patterson	10156
		Rebecca Venishnick	10173
		Jill Hall	10197
		Kerrin Gibbons	10235
		Richard Cooley	10261
		Mari Grace Razote	10381
		Mary Calivo	10413
		John Craddock	10445
		Deanna Billington	10025
		Joanna Satterwhite	10132
		Margaret(Peg) McGuire	10151
		Peter Jendro	10169
		Betty Birk	10333
		Joseph Winkler	10462
		James Lovett	10009
		Sheree Bell	10020
		Tatsuro Miyazaki	10031
		Cheryl Freeman	10206
		Shared Card AG - 8	10327
		Barbara Potter	10394
		Tymony Sharon	10019
		Pamela Brown	10027
		Jack Wiser	10055
		Alice Doi	10091
		Gary Strand	10218



### Inactive Cards Report

Beginning Date: 08/01/2009

Ending Date: 08/31/2009

<u>Parker Name</u>	<u>Card #</u>	<u>Validity</u>	<u>Last Access Date /Time</u>	<u>Group ID</u>
No Patron Name	0	ISSU		Bank of America
Carmeleta Aguilar	10205	ISSU		Bank of America
BOA Contractor Ask Delivary 2	10389	ISSU	06/08/2009 11:55:00AM	Bank of America
Ninh Bui	10070	ISSU	10/20/2009 12:01:00AM	Bank of America
Andrea Bunch	10490	ISSU	10/20/2009 06:46:00AM	Bank of America
Chandara Chhom	10102	ISSU	10/14/2009 07:33:00PM	Bank of America
John Craddock	10445	ISSU	07/30/2009 06:21:00PM	Bank of America
Mario Cruz	10247	ISSU	04/10/2009 04:08:00AM	Bank of America
Randy Daniels	10064	ISSU	10/18/2009 12:24:00PM	Bank of America
Stefani DeCamp	10186	ISSU		Bank of America
Austen Eddy	10839	ISSU	10/16/2009 06:45:00PM	PPD
BoA Contractor EMS	10366	ISSU	06/05/2009 11:54:00AM	Bank of America
Steven Funk	10470	ISSU	10/20/2009 07:09:00AM	Bank of America
Briggs Garret	10050	ISSU	07/30/2009 03:04:00PM	Bank of America
Rick Holt	10017	ISSU		Bank of America
Tien Huynh	10493	ISSU	07/20/2009 05:11:00PM	Bank of America
Nancy Kim	10024	ISSU	10/20/2009 08:13:00AM	Bank of America
Jennifer Kocir	10466	ISSU	09/10/2009 01:38:00PM	Bank of America
Kevin Kralman	10021	ISSU	10/16/2009 05:06:00PM	Bank of America
Kin-Ting Lui	10476	ISSU	07/07/2009 08:24:00PM	Bank of America
BoA Contractor Postal Express	10367	ISSU	06/26/2009 06:52:00AM	Bank of America
Stacy Reid	10344	ISSU	10/20/2009 09:16:00AM	Bank of America
Kathleen Thomas	10432	ISSU	10/20/2009 06:50:00AM	Bank of America
Charyiss Traxler	10103	ISSU	10/20/2009 08:25:00AM	Bank of America
BoA Contrator Tricor	10368	ISSU	07/17/2009 11:56:00AM	Bank of America
Haileen Valdez	10054	ISSU	10/19/2009 10:00:00PM	Bank of America
Mari Wirta - BA - 3	10458	ISSU		Bank of America
Mari Wirta	10025	ISSU	10/20/2009 07:20:00AM	Bank of America
Robert Yocum	10007	ISSU	10/20/2009 08:26:00AM	Bank of America
Susan Yoo	10081	ISSU	10/14/2009 12:53:00AM	Bank of America
Kim Zipp	10472	ISSU	09/25/2009 08:50:00AM	Bank of America

**Total Count:** 31

