



HARRIS
GOVERN



20 I-all-eGov eGovern Login Security

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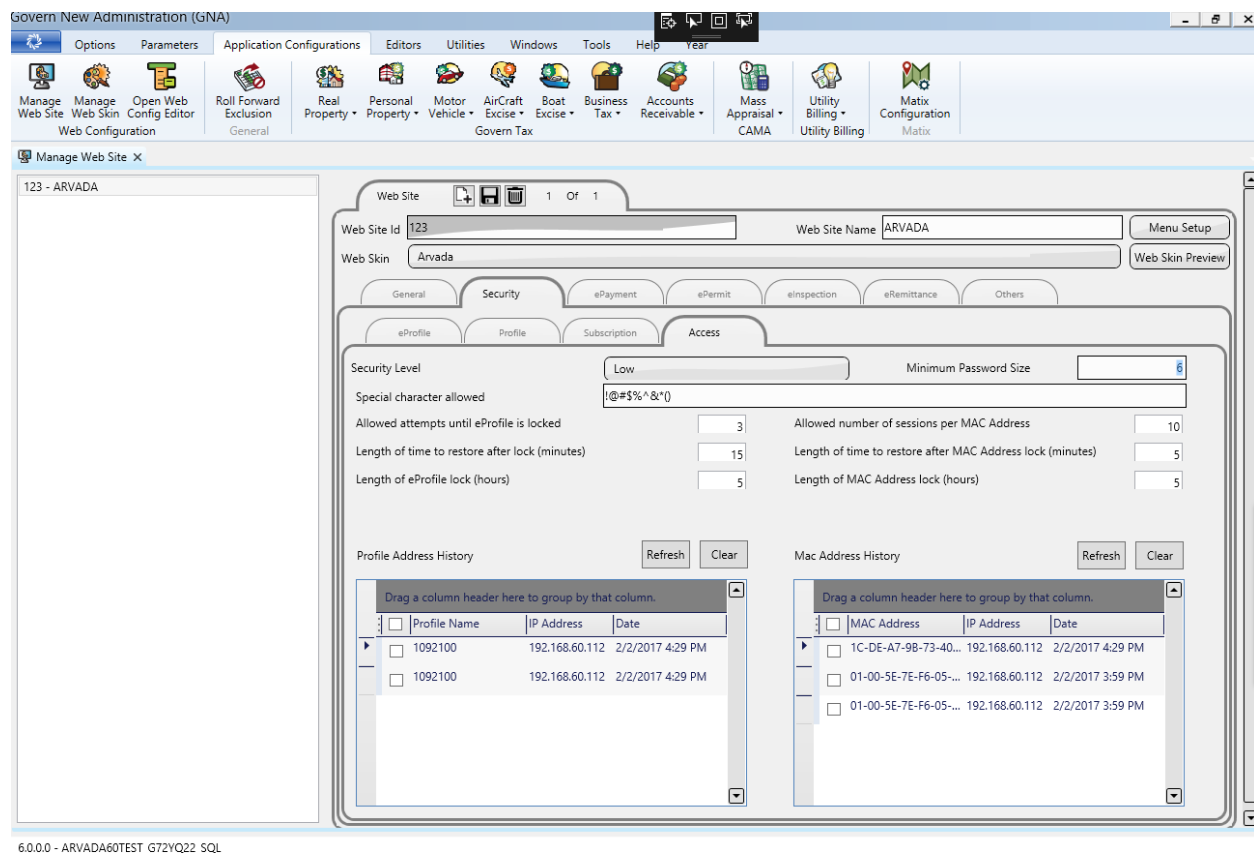
Overview

The eGovern - Public Web Portal is an e-Government services application provides public access via the Internet in order to apply, query, request and view information related to their property, services, and business accounts. The eGovern - Public Web Portal offer user the ability to make online transactions related to Permits, Inspections, Real Property tax, Utility Billing, Tax Assessment, Personal Property, Special Assessment, and so on.

As the portal is the front-end for dispensing information that is often of a sensitive nature, administrators require the ability to lock out access to compromised accounts that may be used to attempt to disable the service of the portal. One common attack is referred to as the Denial of Service (DOS) attack. As a result of increased offerings in the area of security, the administrator interface for the eGovern - Public Web Portal has been modified to accommodate additional functionalities.

User Interface Changes

Administrators of the eGovern - Public Web Portal that are familiar with the layout of the Manage Web Site form in the Govern New Administration (GNA), will notice a change to the tabs and sub-tabs of the Manage Web Site form.



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Site Security

The new **Security** tab is a consolidation of user creation and security related options. The following tabs have now been moved under the new **Security** tab:

- eProfile – Used to view the parameters that set the default user access rights for the eProfile and the eComponents.

- Profile – Control user ability to create profiles.
- Subscription – Manage eSubscriber accounts
- **NEW!** Access – Control user access, impose locks on accounts, and manage security levels.

Site Security – Access (sub-tab)

The eGovern - Public Web Portal offers administrators the ability to:

- Specify number of attempts allowed based on a sighted eProfile account / MAC Address
- Apply a delay to restore access to a locked eProfile / MAC Address
- Lock out an eProfile account / MAC Address for a specified length of time
- Immediately restore access from the GNA form

Access sub-tab parameters

The grids for Profile Login History and MAC Address History under the Access sub-tab record the activity of users via their eProfile and MAC Address, in addition both grids will display the IP address being used for access as well as the date and time of the action.

Security Level – Select a security level for the eProfile passwords:

- Low Security requires alphanumeric characters only.
- Medium Security requires at least one numeric character with alphabetic characters.
- High Security requires at least one numeric character and one special character with alphabetic characters.

NOTE: The security level selected will determine the complexity of the password generated by a batch process. *For additional details refer to the eGovern 6.0 user guide.*

Minimum Password Size – Enter the minimum number of characters for the eProfile password.

Special Character Allowed – Enter the special characters that will be accepted in the password; e.g. @ # \$ % &, and so on.

Profile Login History (grid)

When enabled, the Profile Login History grid displays the eProfile that is accessing the system. In addition, the IP Address of origin, and the date and time of access are also displayed. The switch that is used to enable this feature is the first of the three parameters above the grid.

Allowed attempts until eProfile is locked – Enter the number of attempts that are allowed before eProfile accounts are locked out of the system. Entering a zero (0) in this parameter will disable the recording of the activity feature.

Length of time to restore eProfile after lock (minutes) – After an account has been locked as a result of exceeding the number of allowed attempts, the entry in this parameter will determine in minutes when the account will once again be unlocked.

Length of eProfile lock (hours) – When it is required to keep the account locked for an extended length of time enter a value into this parameter; enter a numerical value in hours.

Enable the grid

To enable this feature, and the grid, enter a numeric value that is greater than zero (0) in the **Allowed attempts until eProfile is locked** parameter.

Disable the grid

The switch to disable the grid is to enter a zero (0) into the **Allowed attempts until eProfile is locked** parameter. When a zero is entered, activity monitoring is stopped. This grid is being populated by entries that appear in (Table: **USR_WEB_LOGIN_HIST**).

Profile Login History (grid) - columns

The columns that are presented in the grid are as follows:


Profile Name – The name of the Govern eProfile name that accessed the service is listed under this column. (Table:

USR_WEB_LOGIN_HIST.EPROFILENAME).

IP Address – Under this column is the IP Address that was recorded for the eProfile that accessed the service. (Table: **USR_WEB_LOGIN_HIST.IPADDRESS**).

Date – This is the recorded access date and time. (Table: **USR_WEB_LOGIN_HIST.LOGGEDAT**).

NOTE: Each line item can be selected with the check box that appears in the first column. To select all line items in the grid, select the check box that appears in the column heading.



Profile Address History			
Drag a column header here to group by that column.			
<input type="checkbox"/>	Profile Name	IP Address	Date
<input type="checkbox"/>	1092100	192.168.60.112	2/2/2017 4:29 PM
<input type="checkbox"/>	1092100	192.168.60.112	2/2/2017 4:29 PM

Profile Login History (grid) - buttons

Refresh – Click Refresh to clear all entries in (Table: **USR_WEB_LOGIN_HIST**) and continue logging.

Clear – This will clear one or more selected entries from the grid. Click to select the check box that corresponds with the line item in the grid. Click **Clear**.

MAC Address History (grid) (Session History)

The MAC Address History grid, when enabled, displays the session established based on the sources' unique MAC Address. The IP Address of origin, and the date and time of access are also displayed. The switch that is used to enable this feature is the first of the three parameters above the grid.

Allowed number of sessions per MAC Address – Entering a zero (0) in this parameter will disable the recording of all session related activities.

Length of time to restore after MAC Address lock (minutes) – Enter the wait time before another session can be initiated with the same MAC Address.

Length of MAC Address lock (hours) – When it is required to keep the account locked for an extended length of time enter a value into this parameter; enter a numerical value in hours.

Enable the grid

To enable this feature, and the grid, enter a numeric value that is greater than zero (0) in the **Allowed number of sessions per MAC Address** parameter.

Disable the grid

The switch to disable the grid is to enter a zero (0) into the **Allowed number of sessions per MAC Address** parameter. When a zero is entered, activity monitoring is stopped. This grid is being populated by entries that appear in (Table: **USR_WEB_LOGIN_HIST**).

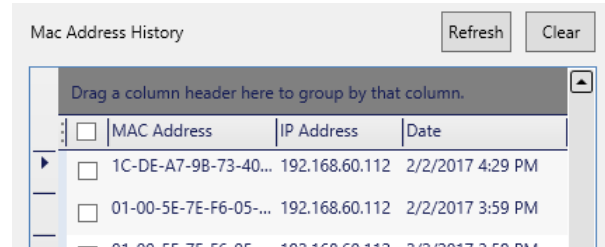
MAC Address History (grid) - columns

The columns that are presented in the grid are as follows:

MAC Address – The MAC Address that was used to establish the session is listed under this column. (Table: **USR_WEB_MAC_HIST.MAC_ADDRESS**).

IP Address – Under this column is the recorded IP Address that was used to establish the session with the service. (Table: **USR_WEB_MAC_HIST.IPADDRESS**).

Date – This is the recorded access date and time of the session. (Table: **USR_WEB_MAC_HIST.LOGGEDAT**).



<input type="checkbox"/>	MAC Address	IP Address	Date
<input type="checkbox"/>	1C-DE-A7-9B-73-40...	192.168.60.112	2/2/2017 4:29 PM
<input type="checkbox"/>	01-00-5E-7E-F6-05...	192.168.60.112	2/2/2017 3:59 PM

NOTE: Each line item can be selected with the check box that appears in the first column. To select all line items in the grid, select the check box that appears in the column heading.

MAC Address History (grid) - buttons

Refresh – Click Refresh to clear all entries in (Table: **USR_WEB_MAC_HIST**) and continue logging.

Clear – This will clear one or more selected entries from the grid. Click to select the check box that corresponds with the line item in the grid. Click **Clear**.

NOTE: Administrators should note that there is no data management associated with this feature, the administrator is responsible for clearing the table after use.

APPENDIX

Available Tables

The following tables have been created or enhanced for this feature.

- USR_WEB_LOGIN_HIST
- USR_WEB_MAC_HIST