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| **Government of Ontario** |
| **Access Restriction Unified: User Manual** |
| **Technical Support Office** |

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| **Version: 0.3**  **4/20/2017** |

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# Revisions

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Owner |
| September 13, 2016 | 0.1 | Initial version | TSO |
| September 21, 2016 | 0.2 | Updated sesudo commands | TSO |
| April 20, 2017 | 0.3 | Added content for access\_restriction\_cmd | TSO |
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Contents

[Revisions 2](#_Toc480444928)

[Introduction 4](#_Toc480444929)

[User Manual 4](#_Toc480444930)

[Configuration Prerequisites 5](#_Toc480444931)

[Email 7](#_Toc480444932)

[Access Restriction 9](#_Toc480444933)

[Operations 10](#_Toc480444934)

[Changing Access Restriction 10](#_Toc480444935)

[Multiple Configurations 13](#_Toc480444936)

[Command line 16](#_Toc480444937)

[Enable Access Restriction 17](#_Toc480444938)

[Disable Access Restriction 17](#_Toc480444939)

# Introduction

## User Manual

This user manual contains instructions for the TSO’s in-house **Access Restriction Unified (AR)** tool. It describes the functionality, and uses output and screenshots from version 1.1 of the software.

There are several versions of the *User Manual*, therefore, you should refer to the version appropriate for the variant you are configuring and running.

# Configuration Prerequisites

Before enabling or disabling **access restriction**, you are required to fill out the directives shown in the table below. These directives can be found by following the instructions below:

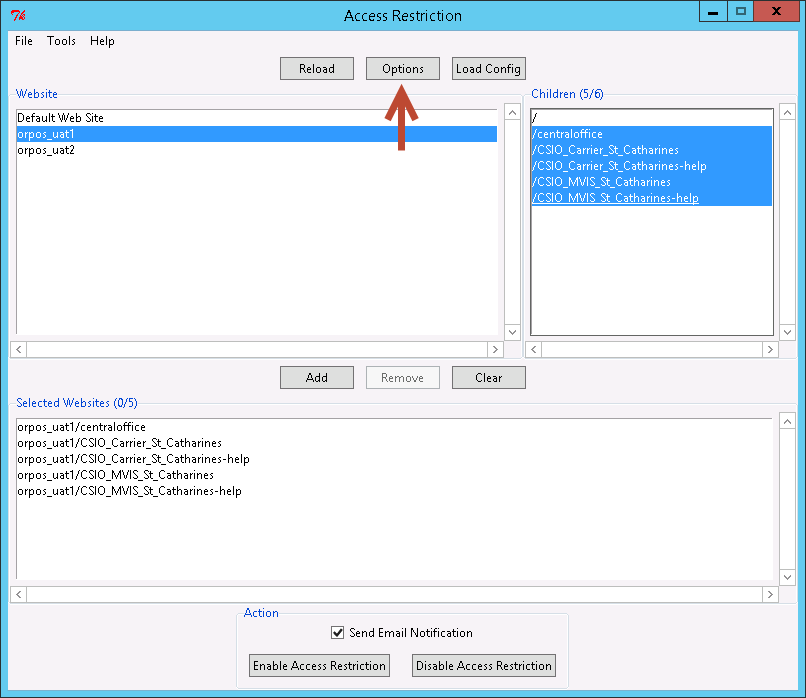
* Open the **command prompt**
* Run the following command to find the associated **sesudo rule** for the **access\_restriction.exe** utility

|  |
| --- |
| sesudo -list 2>&1|find /i "access\_restriction" |
| App06 : D:\MTO\ARTool\access\_restriction.exe |

* In the illustration above, the **sesudo rule** for the **access\_restriciton.exe** utility is called **App06**
* Run the following **sesudo** command below to invoke rule **App06**

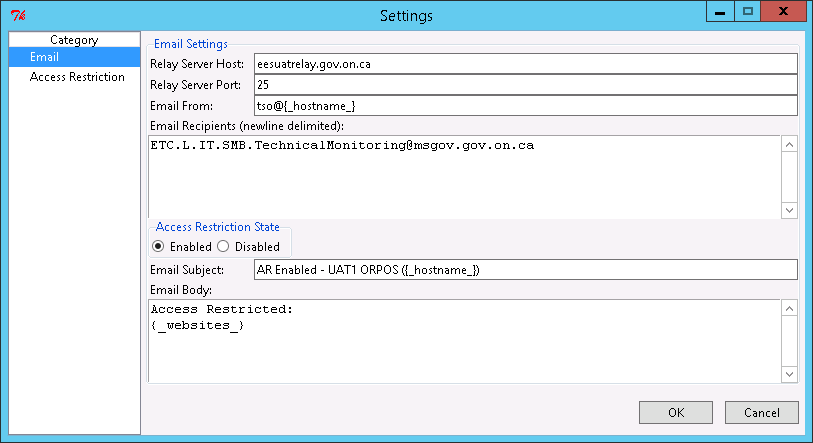
|  |
| --- |
| sesudo –do App06 |

* Click on the **Options** button.



## Email

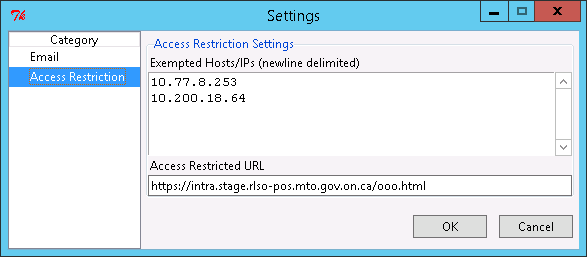
In the **Category** panel, select **Email** as shown below. To save the changes, click **OK**; to discard the changes; click **Cancel**.



|  |  |  |
| --- | --- | --- |
| Directive | Value Description | Examples |
| Relay Server Host | The email SMTP server (also known as, relay) hostname or IP | eesrelay.gov.on.ca  eesuatrelay.gov.on.ca  eesdevrelay.gov.on.ca |
| Relay Server Port | The email SMTP server’s listening port number | 25 |
| Email From | The value of the FROM header of the email.  Optionally, the variable {\_username\_} can be used which will be automatically replaced with the current Windows username.  Optionally, the variable {\_hostname\_} can be used which will be automatically replaced with the current Windows server hostname. | john.doe@ontario.ca  {\_username\_}@{\_hostname\_}  donotreply@{\_hostname\_} |
| Email Recipients | The list of recipients the email notification will be sent to. Each email is separated by a newline. | support.team@ontario.ca |
| Access Restriction Enabled/Disabled | The state of Access Restriction (AR).  For your convenience, it’s possible to pre-configured two states of AR: Enabled or Disabled |  |
| Subject | The value of the SUBJECT header of the email.  Optionally, the variable {\_hostname\_} can be used which will be automatically replaced with the current Windows server hostname. | AR Enabled - PROD APPXYZ  AR Disabled - PROD APPXYZ |
| Body | The value of the BODY of the email.  Optionally, the variable {\_websites\_} can be used which will be automatically replaced with the selected websites | AR has been enabled: {\_websites\_}  Open to public: {\_websites\_} |

## Access Restriction

In the **Category** panel, select **Access Restriction** as shown below. To save the changes, click **OK**; to discard the changes; click **Cancel**.



|  |  |  |
| --- | --- | --- |
| Directive | Value Description | Examples |
| Exempted Hosts/IPs | List of hosts/IPs that will still be able to access the websites even with access restriction is still enabled | 10.77.8.253  10.200.18.64 |
| Access Restricted URL | Definition of the URL visitors to the websites will be redirected to if access restriction is enabled | http://xyz/ooo.html |

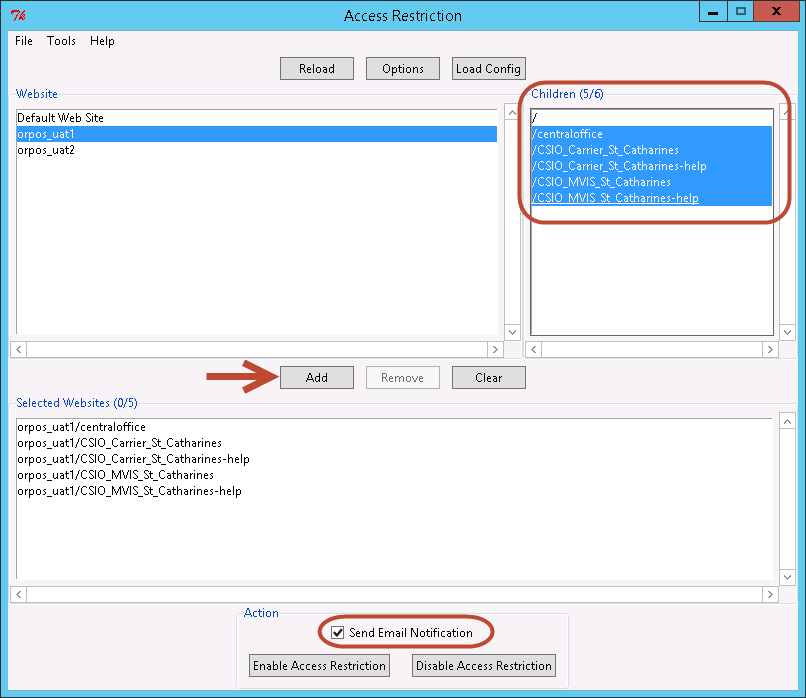
# Operations

Before enabling or disabling **access restriction** on certain websites, you are required to run this application with **Local Administrator** rights of the target Windows server with IIS installed.

## Changing Access Restriction

This section describes the steps to enableordisable **access restriction**.

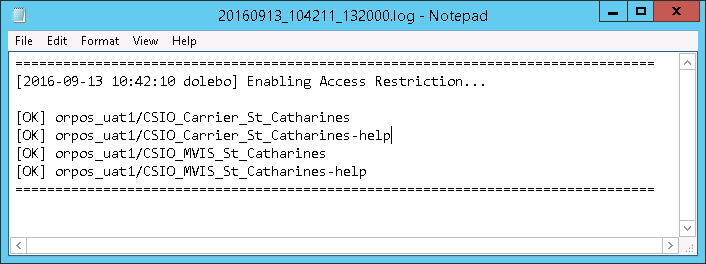
* Change directory to where the **Access Restriction** tool reside. E.g. **D:\MTO\ARTools**
* Right click on **access\_restriction.exe** and select **Run as administrator**
* In the **Website** panel, select the parent website
* In the **Children** panel, select the child websites (for **multiple selection**, press and hold Ctrl; to **select all**, hold Ctrl and press the “a” key)



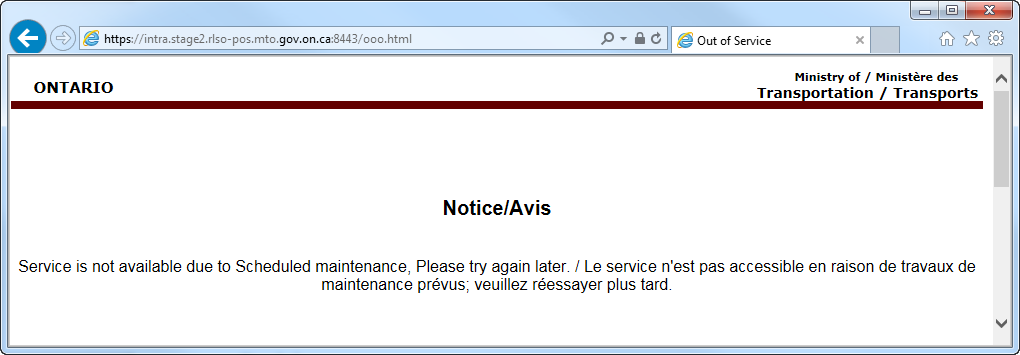
* In the illustration above, we selected the following and click **Add**:
  + Centraloffice
  + CISO\_Carrier\_St\_Catherines
  + CISO\_Carrier\_St\_Catherines-help
  + CISO\_MVIS\_St\_Catherines
  + CISO\_MVIS\_St\_Catherines-help
* Once the selected websites are added to the bottom panel, to enable access restriction, click the **Enable Access Restriction** button
* To disable access restriction, click the **Disable Access Restriction** button
* To send email notification, click the **Send Email Notification** checkbox



* Click **OK**



* Review the logs and ensure that all of the results show **[OK]**
* **Verify** the websites with access restriction **enabled** and you should be presented with the maintenance notice screen below



## Multiple Configurations

In the event that you need to quickly load multiple configuration files, prior to starting the **Access Restriction** application, make a copy of the **access\_restriction.ini** file (e.g. **access\_restriction2.ini**).

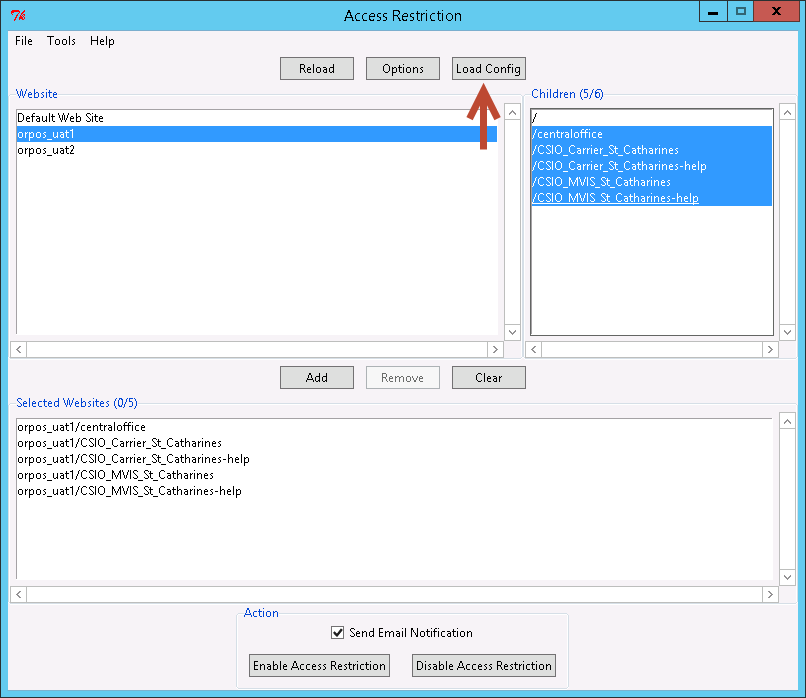
* Open the **command prompt**
* Run the following command to find the associated **sesudo rule** for the **access\_restriction.exe** utility

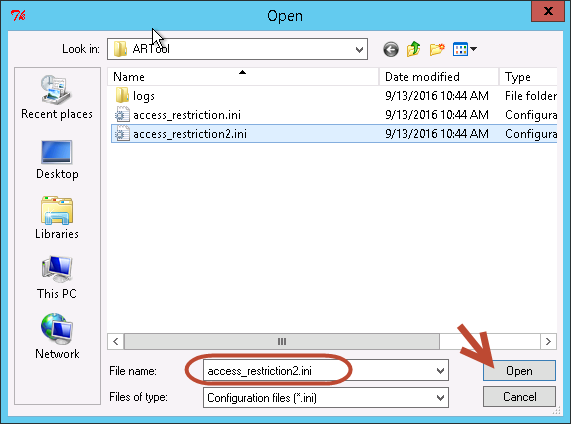
|  |
| --- |
| sesudo -list 2>&1|find /i "access\_restriction" |
| App06 : D:\MTO\ARTool\access\_restriction.exe |

* In the illustration above, the **sesudo rule** for the **access\_restriciton.exe** utility is called **App06**
* Run the following **sesudo** command below to invoke rule **App06**

|  |
| --- |
| sesudo –do App06 |

* Click the **Load Config** button





* Select **access\_restriction2.ini** and click **Open**
* Any changes to the configurations will not be saved to the **access\_restriction2.ini** file

## Command line

Since version 1.1, **Access Restriction** supports command line interface (e.g. useful for batch processing) via **access\_restriction\_cmd.exe**. Similar to the main utility, requires local admin privileges which can be gained via sesudo. Please see the example below

* Open the **command prompt**
* Run the following command to find the associated **sesudo rule** for the **access\_restriction\_cmd.exe** utility

|  |
| --- |
| sesudo -list 2>&1|find /i "access\_restriction\_cmd" |
| App06 : D:\MTO\ARTool\access\_restriction\_cmd.exe |

* In the illustration above, the **sesudo rule** for the **access\_restriction\_cmd.exe** utility is called **App06**
* Run the following **sesudo** command below to invoke rule **App06**

|  |
| --- |
| sesudo –do App06 |

The access\_restriction\_cmd.exe utility requires an existing access\_restriction.ini configuration file to run. Within the configuration file, ensure that that the following sections have been properly set:

|  |  |
| --- | --- |
| Section | Description |
| data | List of websites whose the state will be changed |
| email | Email configurations to be used to send out notification |
| access\_restriction | AR related information to be used during state change |

To access the help prompt, invoke the -h or --help argument:

|  |
| --- |
| access\_restriction\_cmd.exe -h |
| Usage: access\_restriction\_cmd.exe -c config.ini [enable|disable]  Options:  --version show program's version number and exit  -h, --help show this help message and exit  -c CONFIG, --config=CONFIG  use this configuration file |

### Enable Access Restriction

To enable access restriction via **access\_restriction\_cmd.exe,** run the following command line with local admin privileges

|  |
| --- |
| access\_restriction\_cmd.exe -c config.ini enable |

### Disable Access Restriction

To disable access restriction via **access\_restriction\_cmd.exe,** run the following command line with local admin privileges

|  |
| --- |
| access\_restriction\_cmd.exe -c config.ini disable |