

iBoss Documentation to Gather Block and Allow Categories and Lists.

The goal of this documents is to provide a mechanism to pull iBoss Block and Allow Categories and List to provide for documentation

This documentation has broken out into two separate options:

Option One is configuring the an iBoss script to report blocked and allowed categories, lists and keywords per group.

Important - You must have your own appliance in order to successfully run the bash script to audit groups. It is also recommended that you have working knowledge of the Linux OS for option one.

You must use your appliances admin account to audit your appliance. Users within the shared environment should follow the second option to manually check the required items.

Part Two is manually logging into your iBoss SWG to find required items.

Option One – Configure iBoss Script to pull Block and Allow Category and List Information

Download, Install and Configure Ubuntu Server via ISO Download

Please go to the following location and download Ubuntu Server ISO

<https://www.ubuntu.com/download/server>

The screenshot shows the Ubuntu download page with two main sections:

- Ubuntu Server 16.04.1 LTS**: Described as "The Long Term Support version of Ubuntu Server, including the Mitaka release of OpenStack and support guaranteed until April 2021 — 64-bit only." It includes a "Download" button and a link to "Alternative downloads and torrents".
- Ubuntu Server 16.10**: Described as "The latest version of Ubuntu Server, including the Newton release of OpenStack and nine months of security and maintenance updates." It includes a "Download" button and a link to "Alternative downloads and torrents".

Once Downloaded use the ISO to install an Ubuntu Server and configure for your network.

Once you are at a running Ubuntu Server Prompt You will need to login to the Server and Install VIM and Curl

Login to the Server

```
Ubuntu 16.04.1 LTS ubuntu tty1
ubuntu login: _
```

Install Curl and VIM

Sudo apt-get install vim curl openssh-server -y

```
testuser@ubuntu:~$ sudo apt-get install curl vim openssh-server_
```

Create the script files

Once install is completed use VIM to create a file called categoryReport.sh

Vim categoryReport.sh

```
$ vim categoryReport.sh_
```

Copy and paste the script found in categoryReport.sh to the newly created file

Use VIM to create a file called categoryKey

```
$ vim categoryKey
```

Copy and paste the contents of the category key document to the newly created file.

Verify and make sure there are no return spaces between items before moving on. (no space between categories – see below)

```
StreamingRadio/TV
Ads
Porn/Nudity
Audio&Video
Dictionary
Dating&Personals
Drugs
Entertainment
Finance
Forums
Gambling
Games
```

Change permissions on the script files

Chmod 755 categoryReport.sh

Chmod 755 categoryKey

Run the script

./categoryReport.sh

You will be prompted to enter in the following information:

The IP address of your iBoss Appliance

Username (admin)

Admin Password

Group Number to Audit

This will return a text file called blockedCategories.txt that can then be used to provide blocked lists.

You can use Putty to SSH into the server and view the created file – VIM blockedCategories.txt to copy and past the results locally.

```
Group2 CATEGORY REPORT

Ads           Allowed
AdultContent  Allowed
Alcohol&Tobacco Blocked
Art           Allowed
Auctions      Allowed
Audio&Video   Allowed
Business      Allowed
Dating&Personals Allowed
Dictionary    Allowed
Drugs          Allowed
Education     Allowed
Entertainment Allowed
FileSharing    Allowed
Finance       Allowed
Food          Allowed
Forums         Allowed
Friendship    Allowed
Gambling      Allowed
Games          Allowed
Government    Allowed
Guns&Weapons  Allowed
Health         Allowed
Image/VideoSearch Allowed
Jobs          Allowed
Malware        Blocked
MobilePhones   Allowed
News          Allowed
Organizations  Allowed
Political     Allowed
Porn-Child    Allowed
Porn/Mudity   Blocked
PrivateWebsites Allowed

"blockedCategories2.txt" 103L, 2186C
```

Option Two – Log into your SWG and note which categories are being blocked and allowed

View the Contents of a Groups Blocked and Allowed Categories –

Please go to the following location within your iBoss SWG : Home -> Controls -> Web Categories

The screenshot shows the 'Web/SSL Categories' section of the iBoss SWG interface. At the top, there are buttons for 'Save' and a question mark icon. A header bar indicates 'Device IP: 199.88.184.100' and 'Current Group: No Group Set'. Below the header, a dropdown menu shows 'Group: 293. Group 293'. The main area is titled 'Category Scheduling' and contains two radio button options: 'Always Block Selected Categories' (selected) and 'Block Selected Categories Using an Advanced Schedule' (disabled). An 'Advanced Scheduling' link is also present.

Scroll down to view the list of blocked and allowed Categories.

Manually write down which categories are blocked and allowed

The screenshot shows the 'Categories' section of the iBoss SWG interface. It displays two tables of categories, each with columns for 'Category', 'Actions', and 'Priority'. The first table lists categories like Ads, Alcohol & Tobacco, Auctions, Business, Dictionary, Education, File Sharing, Food, Friendship, Games, Guns & Weapons, Image / Video Search, and Malware. The second table lists categories like Adult Content, Art, Audio & Video, Dating & Personals, Drugs, Entertainment, Finance, Forums, Gambling, Government, Health, Jobs, and Mobile Phones. Each row in both tables has a set of icons under 'Actions' corresponding to various blocking and monitoring options.

Category	Actions	Priority
Ads	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Alcohol & Tobacco	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Auctions	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Business	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Dictionary	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Education	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
File Sharing	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Food	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Friendship	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Games	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Guns & Weapons	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Image / Video Search	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Malware	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0

Category	Actions	Priority
Adult Content	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Art	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Audio & Video	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Dating & Personals	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Drugs	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Entertainment	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Finance	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Forums	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Gambling	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Government	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Health	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Jobs	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0
Mobile Phones	Block, Allow, Filter, Monitor, Log, Alert, Ban, Quarantine	0

View the Contents of a Groups and Block List –

Please go to the following location within your iBoss SWG : Home -> Controls -> Block List

The screenshot shows the 'Block List' section of the iBoss SWG interface. At the top, there's a navigation bar with 'Home > Controls > Block List'. On the right, it displays 'Device IP: 199.88.184.100' and 'Current Group: No Group Set'. Below the navigation is a search bar labeled 'Group:' with the value '293. Group 293'. A 'Custom Category Assignments' section follows, featuring two lists: 'Custom Categories' (containing 'snapchat', 'yik yak', 'Custom 3', 'Custom 4') and 'Chosen Categories' (empty). Below these are buttons for 'Save' and 'Manage Categories'. The main area is titled 'Block List' and contains a table with columns 'Url', 'Global', 'Note', and 'Actions'. Buttons for 'Delete Selected...', '+ Import...', and 'Scrape' are located at the top of the table. A 'Filter...' button is also present.

Manually write down which sites are blocked within the blocked list as well as Custom Categories

View the Contents of a Groups Allow List –

Please go to the following location within your iBoss SWG : Home -> Controls -> Allow List

The screenshot shows the 'Allow List' section of the iBoss SWG interface. At the top, there's a navigation bar with 'Home > Controls > Allow List'. On the right, it displays 'Device IP: 199.88.184.100' and 'Current Group: No Group Set'. Below the navigation is a search bar labeled 'Group:' with the value '293. Group 293'. A 'Preferences' section follows, containing a toggle switch for 'ONLY ALLOW access to sites on the Allow List below' set to 'NO'. Below this are buttons for 'Save' and 'Scrape'. The main area is titled 'Allow List' and contains a table with columns 'Url', 'Until Manually Removed', 'Global', 'Keyword / SafeSearch', 'Note', and 'Actions'. Buttons for 'Delete Selected...', '+ Import...', and 'Scrape' are located at the top of the table. A 'Filter...' button is also present.

Manually write down which sites are allowed within the allow list as well as Custom Categories