# brocade-update-banned-ips

NPM module to update banned IP addresses list in Brocade's RBL service protection class.

### Emerging Threats fwip rules

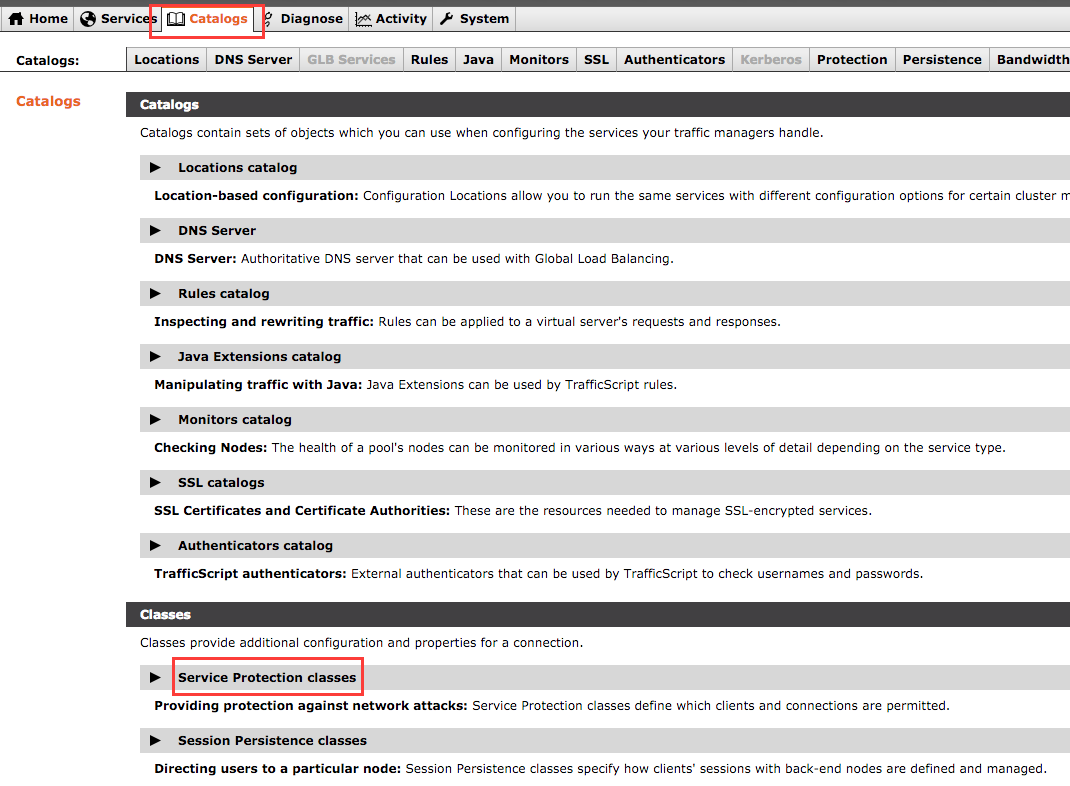
Downloads [Emerging Threats](https://www.proofpoint.com/us/threat-intelligence-overview) raw IPs for firewall block lists, and then updates the RBL protection class in Brocade. This service protection class is applied to virtual servers to reject traffic from know bad IP addresses.

## Requirements

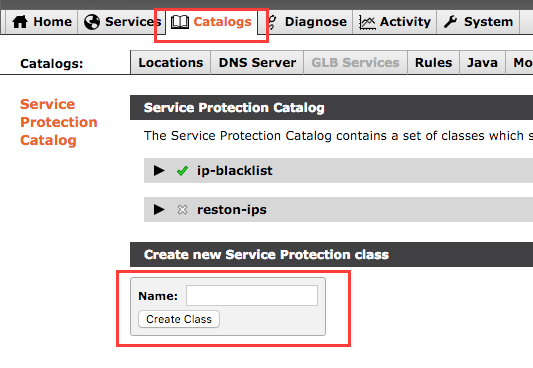
The following components are required to run this module - \* git \* nodejs (5.9.1)

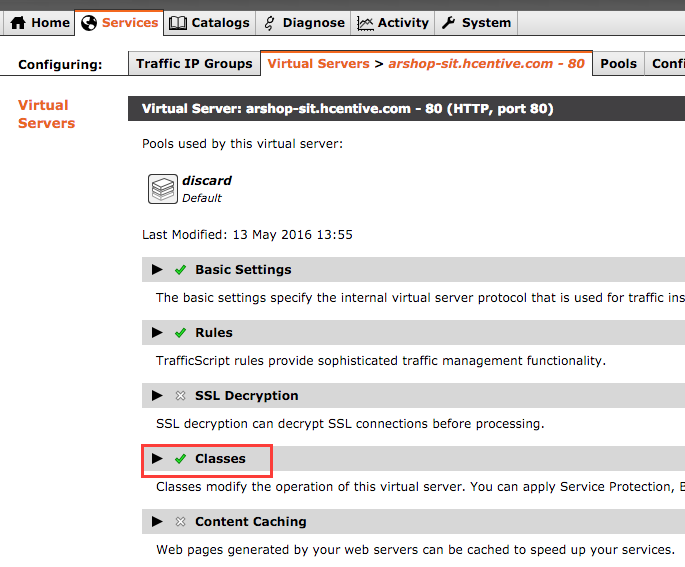
## Installation and configuration

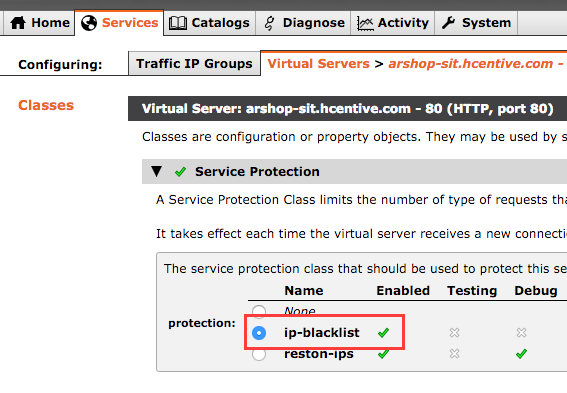
Create an a Service Protection Class from the Brocade console by navigating to Catalogs and then clicking Service Protection Classes



Catalogs -> Service Protection classes

Enter a name for your service protection class and click Create Class 

Attach this class to a virtual server 

Select your service protection class and click Update 

Check out the repository from git -

$ git clone https://git.demo.hcentive.com/brocade-update-banned-ips

Go to the brocade-update-banned-ips directory and run npm install install dependencies -

$ cd brocade-update-banned-ips  
$ npm install

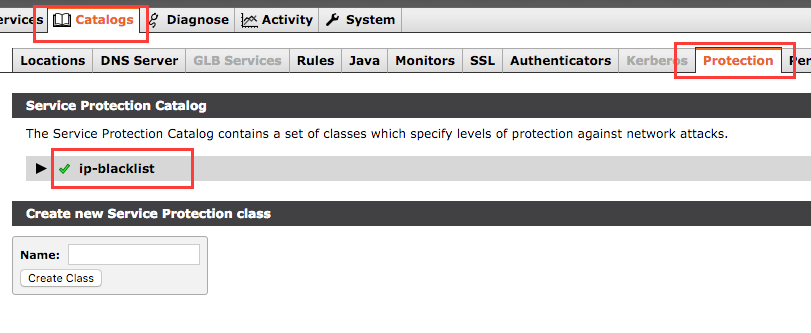
Make the following changes to configure Brocade API endpoint - \* Rename conf/brocade.json.template to conf/brocade.json. \* Replace API\_HOST with the private IP address of the Brocade load balancer. \* Replace YOUR\_API\_USERNAME with the username that has permissions to make API calls, e.g. restapi. \* Replace YOUR\_API\_PASSWORD with the password for the API user.

Execute the following command from the installation directory to update the blacklist -

$ node index.js  
Update IP blacklist with 2538 CIDRs

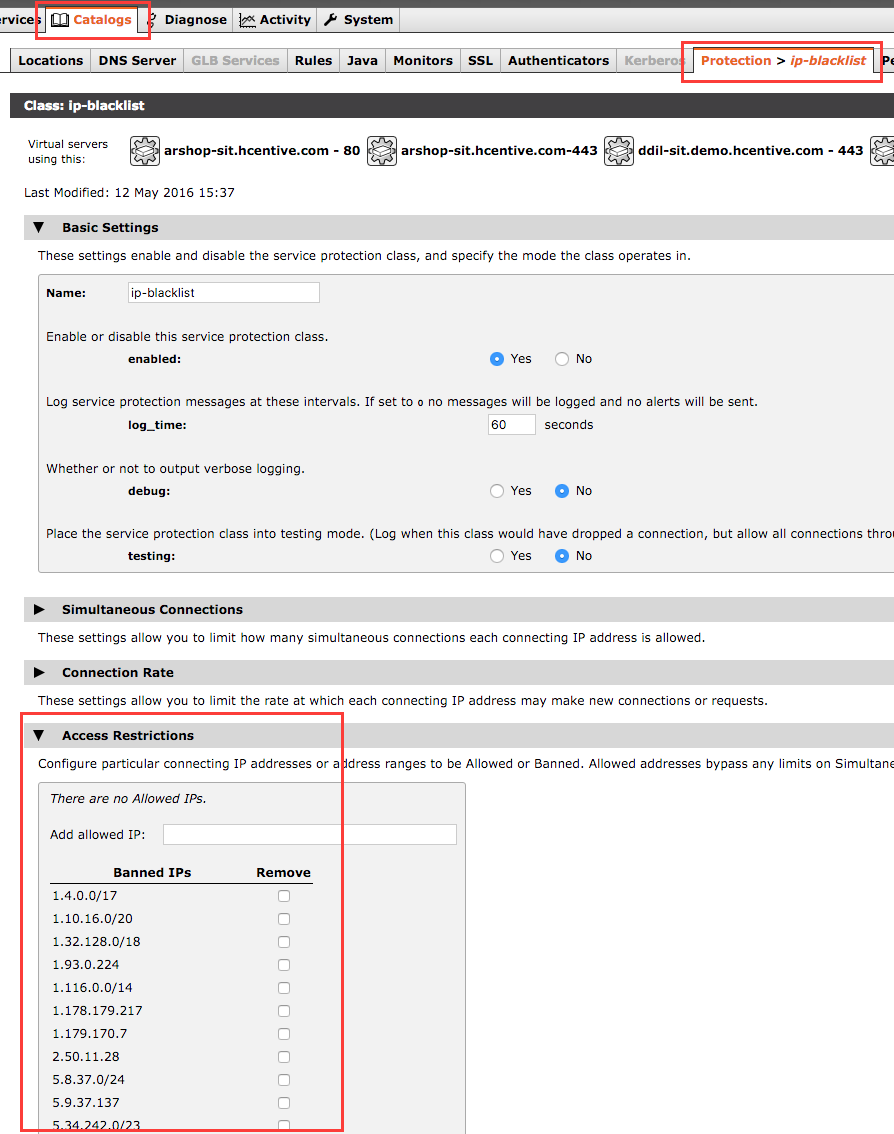
## Validation

Login to the Brocade console, navigate to Catalogs and click Service Protection Classes and select the ip-blacklist class from Service Protection Catalog



ip-blacklist

Drill down to the Access Restrictions section to view a list of banned CIDRs



Banned IPs

## Troubleshooting

### Remove an IP address from the banned IPs list

To remove an IP address from the banned IPs list click on the Remove checkbox next to the IP address and click Update under the Apply Changes section at the bottom of the page.

NOTE: The removed IP address will be added back to the protection class on the next run of this utility unless the IP address is removed the Emerging Threats blacklist.