

## Applying More Aggressive SPAM Control to GEE Whiz™

GEE Whiz installs with a default set of Spam Assassin and Bayesian Classified files that configure GEE Whiz with the open source equivalent of Spam Assassin and Bayesian Classifier email corpus and score rules. GEE Whiz 1.4.8 ships with three files, BAYES.CF (more aggressive score rules), CUST.CF (includes content of BAYES.CF and three custom SA rules) and DBAYES.DAT (more aggressive default email corpus). These files that can be applied as part of the GEE Whiz installation, or at a later time period.

The intent of making GEE Whiz more aggressive is to ensure that you can increase the probability for identifying SPAM without having to lower your SPAM Identification Threshold so low that you would start to identify good email as potential SPAM (false positive). With the default installation, there is already a higher probability for failing to identify potential SPAM (false negative). As “Spammers” get more knowledgeable about anti-spam technology, they are able to write spam email that will leak through typical Spam Control and score below normal identification thresholds. Adopting a more aggressive configuration will help to combat the latest methods used by “Spammers”.

### Apply a More Aggressive Black List From

The BLACKFR.TXT file contains the addressees checked by GEE Whiz against inbound email. Email with addressees in the “From:” field that match the “Black List From:” normally have +100 added to the GAS value already assigned to the message. For any administrator that has “Auto-delete” enabled, this effectively ensures that email from an addressee in the “Black List From:” is auto-deleted and will not be delivered to the intended recipients. The BLACKFR.TXT included in the **geewhiz-install.zip** file has over 1000 domains of know spammers and worm propagation sites. This list of addressees was collected from experienced administrators of GEE Whiz who subscribe to the GEE Whiz Beta Users Mailing List.

To apply the more aggressive BLACKFR.TXT file, copy it into the GEE\TMPLTS folder or copy the content from these files into the existing files of the same name in the GEE\TMPLTS folder. You must unload and reload GEE Whiz in order for these files to be read into memory and to become effective.

Also included in your download is BLACKFR.JWELLS.TXT which is a modified BLACKFR.TXT file maintained by Joe Wells at <http://www.jwellsnetworks.com/spamassassin/>. To use this version, rename BLACKFR.JWELLS.TXT to BLACKFR.TXT and copy it into the GEE\TMPLTS folder.

### Applying More Aggressive BAYES Scores

BAYES\_## are rules that tells GEE Whiz what score to assign to email if it is assessed as a certain probability of being SPAM. The default scores actually apply a negative value to the lower probability thresholds and an overall lower score for the remaining probability. The CUST.CF file included in the “geewhiz-install.zip” file can be used to reset those score values. The BAYES Score Table below shows the score level that is contained in the replacement CUST.CF file.

Bayesian Probability Thresholds	Replacement BAYES.CF File
BAYES_99	5.0
BAYES_90	4.0
BAYES_80	3.5
BAYES_70	3.5
BAYES_60	2.0
BAYES_56	1.5
BAYES_50	1.0
BAYES_44	0.5
BAYES_40	0.4
BAYES_30	0.3
BAYES_20	0.2
BAYES_10	0.1
BAYES_01	0.0
BAYES_00	0.0

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### Applying the More Aggressive Bayesian Scores

You can choose to apply the more aggressive Bayesian scores during the installation or at any time after GEE Whiz has been in operation. To apply the CUST.CF during the installation or later on, you need to use the following procedure:

1. In the GEE Whiz Admin web console, select SPAM Control and then select Bayesian Classifier
2. Remove the check for “Enable Bayesian Classifier” and click “Submit”
3. In the GEE Whiz server console, press F7 and unload GEE Whiz
4. Either copy the contents of CUST.CF into the bottom of the existing GEE\GASC\CUST.CF file and save the file, or copy the replacement CUST.CF file into the GEE\GASC directory.
5. Load GEE Whiz using GEE.NCF or GEEP.NCF
6. In the GEE Whiz Admin web console, select SPAM Control and then select Bayesian Classifier
7. Add the check for “Enable Bayesian Classifier” and click “Submit”
8. Verify the Bayesian Classifier Scores at the bottom of the Bayesian Classifier details page

### Applying the Custom Spam Assassin Rules

When you add custom Spam Assassin rules at the bottom of the “Rulesets” page in the GEE Whiz Admin web console, those custom rules are written to the GEE\GASC\CUST.CF file. Included in the replacement CUST.CF file are two custom rules which block drug-related spam, and one custom rule to block a variant of “mortgage” spam. If you apply the replacement CUST.CF file, you will be applying those three custom rules.

### Applying a More Aggressive Default Email Corpus

Included in the GEEWHIZ-INSTALL.ZIP download file is a DBAYES.DAT file. This file is the “Default Bayes Mail Corpus” which is a more aggressive email corpus than the standard mode corpus normally used. You can apply this file any time before actually telling GEE Whiz to use the default corpus.

To use the file included in the download:

1. Rename the existing DBAYES.DAT file in the SYS:\GEE\TMPLTS directory to DBAYES.DAT.OLD
2. Copy the DBAYES.DAT file to the SYS:\GEE\TMPLTS directory
3. In the GEE Whiz Admin web console click on the “Use the Default Bayesian Classifier” link

Please note that using the DBAYES.DAT file can increase the number of false positives (good email identified as SPAM). To make the most effective use of the DBAYES.DAT file, you should also use the teach classifier process described in the “Bayesian Filtering” web page. Go to [www.omni-ts.com](http://www.omni-ts.com), click on the GEE Whiz logo or choose “Products” and then choose “GEE Whiz Anti-SPAM & Anti-Virus” and click the “Bayesian Filtering” link

### SPAM Control

Bayesian Classifier works in conjunction with the Spam Assassin and RBL features of GEE Whiz to provide comprehensive protection against unsolicited commercial email and malicious email. Please take time to read “Chapter 3 – Configuring GEE Whiz” in the “GEE / GEE Whiz Manual” and read the “FAQ” and “Best Practises” web pages found in the GEE / GEE Whiz “Products” page at [www.omni-ts.com](http://www.omni-ts.com). There are also valuable tips and information found in the GEE Whiz Forums found at [www.omni-ts.com/Forums](http://www.omni-ts.com/Forums).