

DevelopmentStuff

Introduction

Generally, we coordinate the overall flow on the SpamAssassin-Users and SpamAssassin-Dev [MailingLists](#). Then, for specific new functionality or rules, a [Bugzilla bug](#) should be created to track progress and provide a forum for discussion; any patches should be stored (as an attachment) on that Bugzilla bug.

By using a Bugzilla bug to track code changes, we have an easy way to find the discussion/timeline of that functionality's development at any point in the future, since we can simply say "see bug 2134 for details/discussion/arguments" etc.

The code itself is maintained in a [Subversion](#) repository which can be browsed via the following methods:

- HTTP at <http://svn.apache.org/repos/asf/spamassassin/>
- svn checkout <https://svn.apache.org/repos/asf/spamassassin/trunk>
- WebDAV at <webdav://svn.apache.org/repos/asf/spamassassin/>
- a web UI on SVN history via this [ViewVC view](#)

General stuff

- [UsingBugzilla](#): What to watch out for when using [SpamAssassin's](#) bug tracker.
- [DevBookmarks](#): some good bookmarks for SA developers and contributors.
- [NextRelease](#): *Might* contain a schedule for the next release.
- [VotingProcedure](#): We follow the ASF way of doing things like this.
- [ReleasePolicy](#) (draft): We follow the ASF way here too.
- [DevelopmentMode](#): The difference between C-T-R and R-T-C, etc.
- [ProjectRoles](#): Users, Contributors, Committers, PMC members
- [SecurityPolicy](#): what happens when someone finds a vulnerability in SA
- [ContinuousTesting](#): our continuous testing system

Patches and Coding

- [CodingStyle](#): some tips on how we format our code.
- [AboutClas](#): information on the Apache Contributor License Agreement.
- [DownloadFromSvn](#): How to download the latest version of [SpamAssassin](#) from Subversion.

Rule Development

- [RuleDevelopment](#): some notes on rule development.
- [ManualRuleUpdates](#): how to manually put out a rule update
- [DisableAutoRuleUpdates](#): how to disable automatic rule updates
- [AutoRuleUpdates](#): how automatic sa-update update package generation works

Infrastructure

- [InfraNotes](#): notes on our infrastructure at the ASF and elsewhere, and adminning it
- [InfraNotes2017](#): notes on our new ASF infrastructure
- [RsyncConfig](#): How rsync is setup, how to add new accounts, etc.
- [OpenInfraIssues](#): active bugs/requests we have open with the ASF infrastructure team
- [MassCheckSlave](#): how to set up a new mass-check slave server

Stuff about scoring

- [TenFoldCrossValidation](#): How to test the accuracy of the scoring system
- [NightlyMassCheck](#): How to run nightly mass-check runs to help with rule scoring
- [RescoreMassCheck](#): How to generate a new score-set (the big mass-check run)
- [MassesOverview](#): Overview of the scripts in the [SpamAssassin](#) masses folder

More Stuff

- [BayesStopList](#): information about the default Bayes "words to skip", and how they were chosen
- [MailManglingInTheField](#): Information about known ways a mail message can be changed in transit.
- [The SpamAssassin public corpus](#): an old collection of hand-filtered ham and spam for testing GA work, developing new filter techniques, and benchmarking filters.
- [GTUBE](#): the Generic Test For Unsolicited Bulk Email.
- Package Building: RPM's, etc.

Historical information relating to the Incubation process

- [IncubatorToDo](#): To-do list for moving out of the Apache Incubator
- [ClaVettingProcess](#): How we tracked down code owners in order to relicense and the resolution of the process