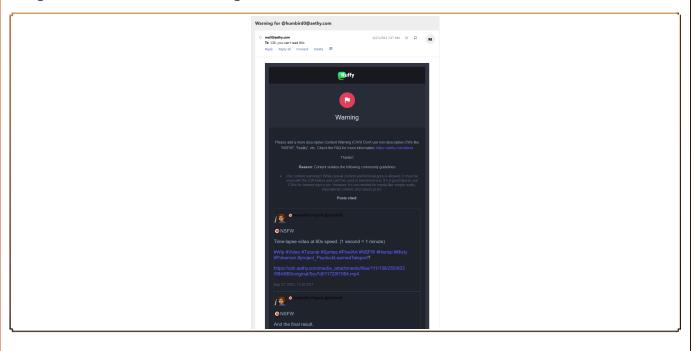
The Challenge

I recently noticed an old email I got from a mastodon server I'm on asking me to be more specific about the "NSFW" content—warnings I had on some of my posts, saying that they should be more specific to describe why each post is NSFW. I happen to agree. But is there a way to automate this? Challenge accepted!



The Pieces Emerge

... so I manually went back and added more details to all of my posts, but this whole thing has gotten me brainstorming about ways to try to automate adding a short but detailed ContentWarning description.



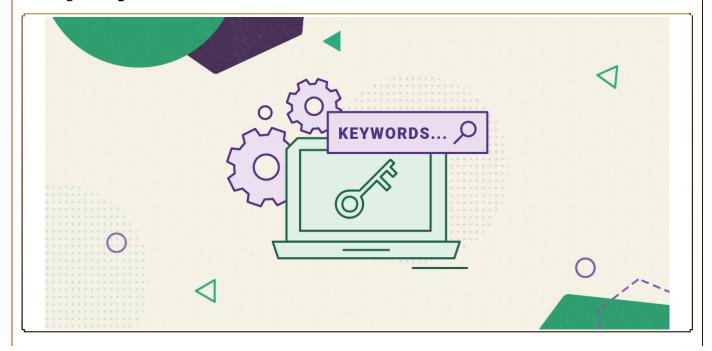
Going back and adding all the details manually has helped me figure out what descriptions I tend to need.

```
Remotify rewrite On descriptions on Neutrodon to figure not the desired remotits approachs. Girl in a sery posts.

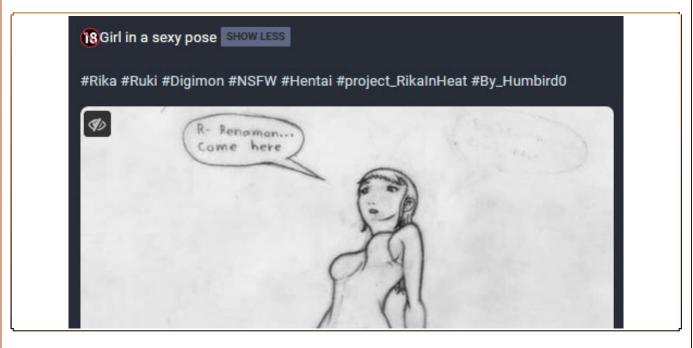
Girl in a sery post com. genericality, [Daddon, bondage shift in a sery post com. genericality, [Daddon, bondage shift in a sery post com. genericality, purpy purpose shift in a sery post com. genericality, purpy shift in a sery post com. genericality, purpy shift in a sery post common shift in a sery post, common shift in a serve post in a serve post in a ser
```

The Theory

My hunch is that it should theoretically be possible for a program to accurately guess what the description should be based on the #hashtags. I might need to add a few new tags and a real-time preview of the description to ensure the keywords I've added are enough to adequately describe the post. The goal is to generate the description automatically without requiring extra work from me. I've already been adding keywords, so it's just a matter of adding the *right* ones.



More extreme descriptions should replace milder ones, so "suggestive content" should get replaced by "lesbian sex". I would want to replace redundant descriptions anyway since screen space is limited.



Maybe a NSFW hashtag could just default to "sexual female nudity" as the description, and then just replace it if a more specific keyword is used? This approach is appealingly elegant, and would probably be adequate for the kind of stuff I post.

I could always just have the option to manually write a description if the program's guess is way off.

```
- ASPROACH -
Add more specific keywords to allow a description to be auto-inferred about why something is NSFW.

- INTENDED RESULT -
Derive a description for each reason why your posts are NSFW.
These are needed ric descriptive charges and the semething is NSFW.

Serier to "NSFW types.txt" for all the versions that you need.
In general, more explicit types should everrade milder types.

Name the feed editor should guess the NSFW reason(s) each time you add relevent keywords.

If it cannot make a guess, then the keywords are not specific enough.

NSFW should default to "sexual femals mustive", a goed assumption since it's usually accurate.

But there are also some auto-coverides that should replace this default assumption.

- straight sow: "sexual femals mustive", a goed assumption since it's usually accurate.

- straight sow: "sexual femals mustive" and the sexual time.

- straight sow: "sexual femals mustive" and the sexual time.

- straight sow: "sexual femals mustive and the sexual time.

- straight sow: "sexual femals mustive and to be combined.

- Show a real time province of the description.

- straight sow: "sexual femals mustive and the sexual femals must be a sexual femals.

The answer ion't multiple different NSFW tags.

The straight should be RED if there's not enough detail.

The answer ion't multiple different NSFW tags.

The straight should be sexual time.

- straight should sexual femals must be sexual content.

That's how keywords are supposed to work.

The straight should sexual femals must be supposed to be sexual content.

- REFORM RELIGIOUS of some space intend.

- Dut keep the life enough at the beginning, since it implies sexual content.

- REFORM RELIGIOUS can replace to word "NSF" since it would be redundant.

- REFORM RELIGIOUS femals and the sexual content.

- REFORM RELIGIOUS femals a
```



Then again, it is possible for a warning to be



fucking girl" would be shocking for a lot of people. So a milder yet still accurate phrase might be better? Maybe something like "sexual content, animal"

Besides, it might be useful to separate some words out of the description like that. I've already been using emoji's to label some recurring concepts. I think it makes it faster and easier for people to recognize the themes without actually having to read all the words.

Icons also have another surprising benefit. They cross language barriers!

I have often said that every icon should have a text label because there's no guarantee that people will know what an icon means by itself. But I'm starting to think the opposite is also true.

After all, if you saw this label in a content warning, what does it even mean? 性 獣姦

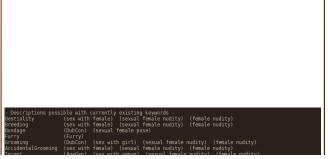
But what about now?

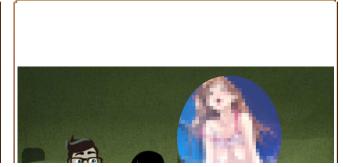


Even if you can't read the language, you know this has something to do with animals, and it's naughty.

The Details Emerge

I intend to use my keywords in combination to describe things, but first I need to figure out what descriptions each one will generate individually.





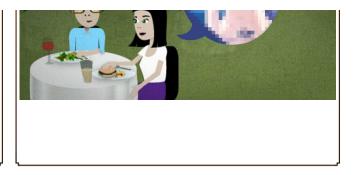
```
Lesbians (lesbian sex) (sex with female) (sexual female nudity) (female nudity)?

P. Loll (sexually nude girl) Of (girl in sexy outfit)

Challed (sexually nude girl) Of (sexual female nudity) (female nudity)

Challed (sex with girl (sexual female nudity) (female nudity)

StraightShota (AgdGap) (sex with woman) (Straight sex) (sexual female nudity) (female nudity)
```



I realized I might need to add a few more keywords to indicate all the descriptions I want.

```
- Descriptions that cannot really be derived from current keywords -
(sexual female pose)
sexypose
(female masturbation)
masturbation
(female nudity)
nude
(female in sexy outfit)
sexyoutfit
(sexual male nudity)
nude male

- Possible new keywords -
sexypose
sexyoutfit
masturbation
male
outfield
masturbation
male
girl
woman
```



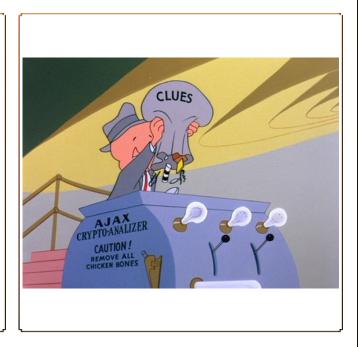
Now let's try re-creating the old descriptions for my projects. Which set of keywords would theoretically create those descriptions? With the new keywords added, this mostly looks possible.





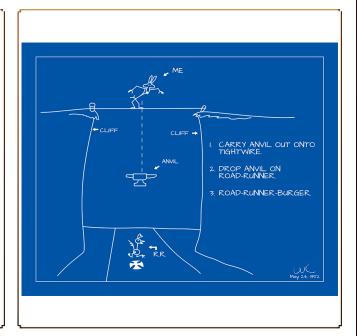
... and then look at the most common keyword combinations to tigure out which tags I actually need.

```
- Most likely keyword combinations -
sil. bestiality
sil. leeblans, bestiality, dubcon/bondage/hypnosis/molest/grooming
sil. sepands, dubcon/bondage/hypnosis/molest/grooming
sil. sepands, dubcon/bondage/hypnosis/molest/grooming
sil. sexposts
sil. sexposts
sil. sexpose, bestiality, dubcon/bondage/hypnosis/molest/grooming
sil. sexpose, bestiality, dubcon/bondage/hypnosis/molest/grooming
sil. sexpose, bestiality, dubcon/bondage/hypnosis/molest/grooming
sexpose, sexpose, sexpose
sexpose, sexpose, sexpose, sexpose
sexpose, sexpose, sexpose, sexpose
sexpose, sexpose, sexpose, sexpose
sexpose, s
```



Planning to Accomplish Something

Now to plan the actual behavior of my program. Let's list every keyword combination I think I need, the replacement behavior, and which tags should trigger a content warning.



Hmm... I think I'll lay out the description kind of like this. An optional adjective like "nude", then the action, followed by "female" or "girl" And maybe start thinking about how to store this information.

Simply combining keywords and generating descriptions is easy enough. And that would

technically be adequate, but let's try to combine or replace things to make it read better.

```
- Template
(description), furry, bestiality, dubcon

- Description template
(partially/nude/masturbating lesbian sex)(female)(pose/outfit)

- Sex template
(lesbian sex)(with a female)
(sex)(with a female)
(partially nude/nude)(masturbating)(female)

- Storing these behaviors
Store keyword combos
Store description priorities
Store which tags trigger NSFW content warning
```



By Jove I've Solved It!



I took a break to pick up some groceries, and while walking I had a brilliant idea. Simple text replacement!

Multiple replacements happening in-series.

I could store a list of rules in the settings and have the program apply them in order. Each rule checks for certain keywords and makes adjustments to the description. This works because each rule is simple and only needs to be aware of its own changes. By doing multiple text-replacements, their effects can combine together. Priority is just a matter of what order these replacement-rules get applied.

```
    I took a walk, and came up with an idea for a string-replacement technique to accomplish all of this.
        {
            hasKeywords: [ "word", "word" ],
            replaceText: "",
            withText:""
        }
        * A list of these are stored in the settings and applied in-order. Higher priority items simply occur after low-priority items.
        * The result of a previous rule, can be processed by the next rule, so vague descriptions can be replaced with specific descriptions.
        * Replace "woman" with "girl" at the end.
```

```
* When "replaceText" is empty, the new string is simply appended to the end.
* !word excludes keywords.
* If output text already exists, and input text is "" empty, then ignore that rule and make no changes.
```

The idea is each rule checks for a set of tags. If they're all present, then the rule applies, which means it searches for a piece of text in the description, and then replaces it with different text.

So for example, with the tags "nude, girl, lesbians" ...

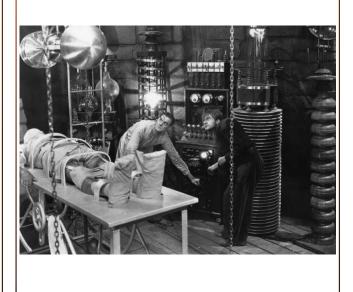
- 1. "lesbians" adds the text "lesbian sex with a woman"
- 2. "nude" replaces "woman" with "nude woman"
- 3. "girl" replaces "woman" with "girl"
- ... and the result is "lesbian sex with a nude girl"

If there is no text to search for, the rule simply adds text at the end of the description. If that text already exists it won't be added again.

A keyword can be excluded using !keyword, meaning a rule only applies if that keyword is **not** being used. This helps prevent two similar descriptions from both being added, and allows some rules to be mutually exclusive. (one rule or the other rule applies, but never both)

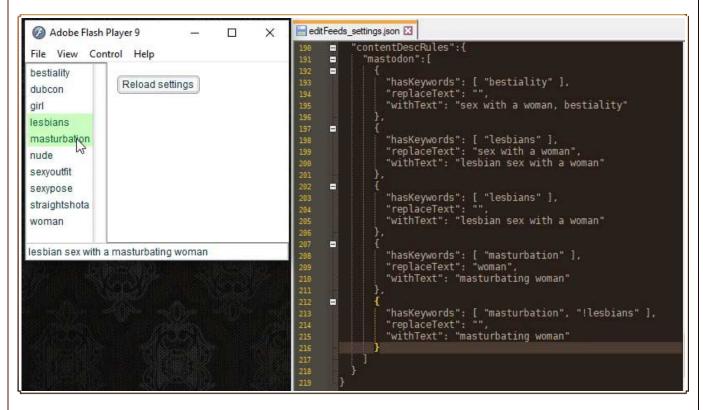
You can also make adjustments to the grammar by not requiring any particular keywords, and just looking for certain bits of text to replace.

```
| Secrete Sulphe, derived from description combon
| Secrete Sulphe, derived from description combon
| Sulphe Sulph
```



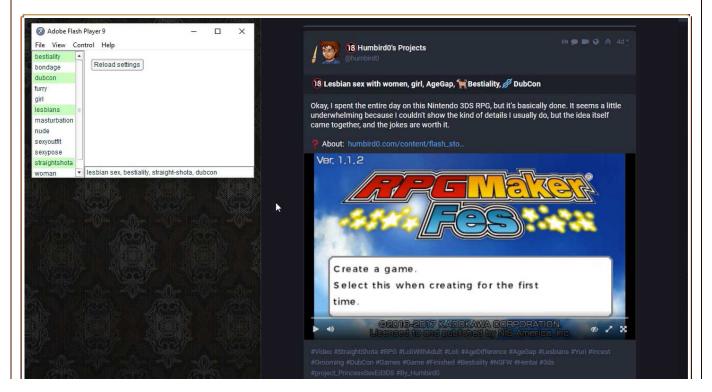
It Lives!!

I put together a prototype program to test my idea for an automatic NSFW description writer. And it works!

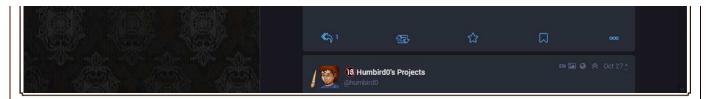


And the final test. I looked at my existing posts and tried to generate the right descriptions for them using this program. Each one only needed a few keywords. Not all of them were perfect but most of them were.

I'd call this a success!

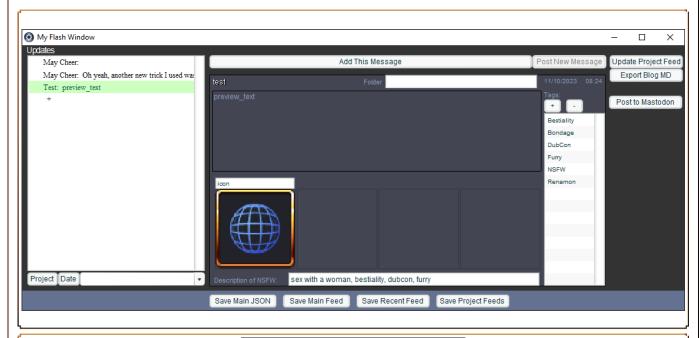


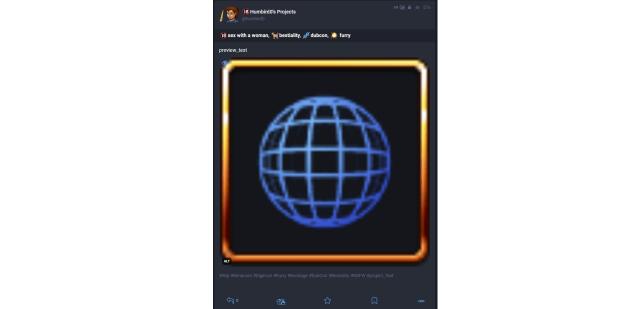
Auto-Writing NSFW Descriptions



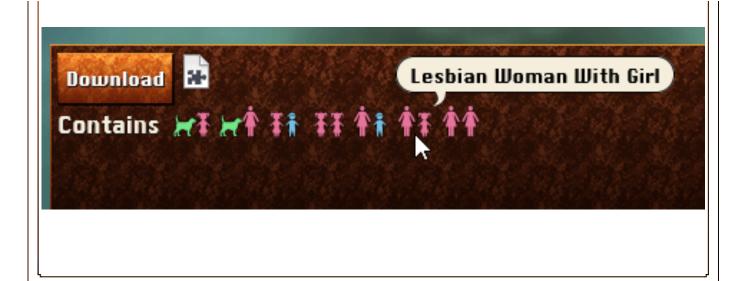
... aaaaaaand done!

Automatic NSFW descriptions added automatically with no extra work. It only took, like, a week of work. Ah the joys of being a programmer.





I probably won't be using this on my website because its custom pairing icons are compact and already have detailed descriptions.



Download JavaScript Code

```
0
                                                                                            0
                                                                                             0
                                                                                             0
 VERSION: 1.1
                                                                                             0
 AUTHOR:
           H∪mbird0
                                                                                             0
LICENSE: Public Domain
                                                                                             0
DESCRIPTION:
                                                                                             0
   Creates a human-readable description based on a set of keywords.
                                                                                             0
0
                                                                                             0
0
O USAGE:
                                                                                             0
  // read selected keywords_ary, and store each item in an object-list {"key1":true,
                                                                                             0
"key2":true, "key3":true}
                                                                                             0
                                                                                             0
   var tags_obj = {};
                                                                                             0
   for(var i=0; i<keywords_ary.length; i++){
                                                                                             0
     tags_obj[ keywords_ary[ i ] = true;
                                                                                             0
0
   // generate a description
   var description_txt = getDescriptionFromKeywords( tags_obj, rules_ary );
0
   // display this description
   console.log( description_txt );
0 */
0
                                                                                             0
0
0 /**
                                                                                             0
🔿 * Creates a human-readable description based on a set of keywords.
                                                                                             0
                                                                                             0
* @param keywords an object-list of keywords to evaluate {key1:true, key2:true,
○key3:true}
🔍* @param rules
                    an array of rules that generate and modify the description
                                                                                             0
[{hasKeywords:["key1","key2"], replaceText:"", withText:""}]
```

Here's a live demonstration:

Rules (You can edit this JSON)

```
"hasKeywords": [ "lesbians" ],
    "replaceText": "",
    "withText": "lesbian sex with a woman"
},
{
    "hasKeywords": [ "masturbation" ],
    "replaceText": "woman",
    "withText": "masturbating woman"
},
{
    "hasKeywords": [ "masturbation", "!lesbians" ],
    "replaceText": "",
    "withText": "masturbating woman"
},
{
    "hasKeywords": [ "girl" ],
    "replaceText": "woman",
    "withText": "dwarf"
}
```

Tags (Hold CTRL to select multiple items)

lesbians masturbation girl

Description

lesbian sex with a masturbating woman

Errors

Download this demonstration

Download