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Expression  
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# Fast Regular Expression Indexing Engine

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paper, we describe the

design, architecture,

and the lessons

learned from the

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implementation of a  
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engine FREE. FREE  
uses a ...

## **A Fast Regular Expression Indexing Engine**

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describe the design,  
architecture, and the  
lessons learned from  
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uses a pre-built index  
to identify the text

data units which may  
contain a matching  
string and only  
examines these

further. In this way,  
FREE shows orders of  
magnitude

performance  
improvement in certain  
cases over standard  
regular expression  
matching systems,  
such as lex, awk and  
grep.

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of ...**

In this paper; we describe the design, architecture, and lessons learned from the implementation of a fast regular-expression indexing engine FREE. FREE uses a prebuilt index to identify the text ...

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expression indexing**



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FREE shows orders of magnitude performance improvement in certain cases over standard regular expression matching systems, such as lex, awk and grep [18, 4].

## **CiteSeerX — A Fast Regular Expression Indexing Engine**

A Fast Regular Expression Indexing Engine . By Junghoo Cho and Sridhar

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Rajagopalan. Abstract.

In this paper, we describe the design, architecture, and the lessons learned from the implementation of a fast regular expression indexing engine FREE. FREE uses a prebuilt index to identify the text data units which may contain a matching string and ...

## **A Fast Regular Expression Indexing**

# Access PDF Fast Regular Expression **Engine - CORE**

Code Search was Google's first and only search engine to accept regular expression queries, which was geekily great but a very small niche. The sad fact is that many programmers can't write regular expressions, let alone correct ones. When we started Code Search, a Google search for

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**Expression  
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Regular Expression  
Matching with a  
Trigram Index**

fast regular expression  
indexing engine,  
Proceedings 18th  
International  
Conference on Data  
Engineering, 2002 Still  
widely referenced as  
state of art work about  
indexing for regular  
expressions. Alexander  
Korotkov Index support  
for regular expression  
search

PGConf.EU-2012,  
*Page 13/27*

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Prague FREE method ...

Indexing Engine

**Index support for  
regular expression  
search**

Created Date:

11/7/2001 5:49:36 PM

**University of  
California, Los  
Angeles**

Keyword Search and  
Indexing. Autopsy uses  
the powerful text  
indexing engine  
Apache SOLR to power  
its fast and robust

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keyword searching  
features. Pre-defined  
lists of keywords and  
regular expressions  
can be configured to  
run while the image is  
being ingested. By  
default, Autopsy  
includes regular  
expression searches  
for: Email Addresses

## **Keyword Search and Indexing - The Sleuth Kit**

As of Perl 5.6, Perl's  
regular expression

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engine is said to memoize the recursive backtracking search, which should, at some memory cost, keep the search from taking exponential amounts of time unless backreferences are being used. As the performance graph shows, the memoization is not complete: Perl's run time grows exponentially even though there are no



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backreferences in the expression.

## **Regular Expression Matching Can Be Simple And Fast**

For just finding a keyword the IndexOf method is faster than using a regular expression. Regular expressions are powerful, but their power lies in flexibility, not raw speed. They don't beat string methods at simple

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string operations.

Anyway, if the strings are not huge, it shouldn't really matter as you are not doing it so often.

## **c# - Is using a Regular Expression faster than IndexOf**

...

Regular expressions (regex) are powerful tool for text processing. When dealing with large string collections it's

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Expression  
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important to search  
fast on that collections  
(i.e. search using  
index). Indexing ...

## **Index support for regular expression search**

README Code Search  
is a tool for indexing  
and then performing  
regular expression  
searches over large  
bodies of source code.  
It is a set of command-  
line programs written  
in Go. For background

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and an overview of the  
commands, see <http://swtch.com/~rsc/regexp/regexp4.html>.

## **GitHub - google/codesearch: Fast, indexed regexp search ...**

However, this is a  
microbenchmark, so  
probably not  
representative of  
general regular  
expression speed, but  
still worth a look.

Surprisingly enough,

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apparently the fastest regular expression engine by far is Google Chrome's V8 JavaScript JIT (almost beats GCC in wall-clock time, utilizing just a single CPU core)

## **c++ - Regular expressions performance: Boost vs. Perl ...**

In most programming languages, the regular expression engine is implemented using the

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recursive backtracking algorithm. This algorithm specializes in building a solution one piece at a time incrementally while removing solutions that fail to satisfy the constraints. It searches every possible combination to solve a computational problem.

**Regex Performance  
in Python. In the  
land of Big Data, it**

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Hyperscan is the fastest engine with a total execution time of ~300ms (~3x less time than 2nd) and the Rust regex crate gets the 5th place with ~3700ms. It seems that the Rust regex crate is not the fastest solution in place.

## **A comparison of regex engines - Rust Leipzig**

Regular expression

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wizard helps you build regular expressions for complex pattern matching searches. Search by modified, created, or last accessed date. Export your results to a file for importing into other apps or for sharing with others. Reporting tab for easy copying, printing or saving of search data.

## **Agent Ransack - Information -**



# Access PDF Fast Regular Expression **Mythicsoft**

It then builds both a regular expression pattern and a replacement pattern dynamically. If the example is run on a computer whose current culture is en-US, it generates the regular expression pattern `\b(\d+)(\.(\\d+))?` and the replacement pattern `$$ $1$2`. The replacement pattern replaces the matched

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text with a currency  
symbol and a space...

## **Substitutions in Regular Expressions | Microsoft Docs**

Solr Regular expression  
part-1 August 20, 2017  
Solr No Comments Java  
Developer Zone Solr  
support regular  
expression search  
support. The  
Solr/Lucene regular  
expression engine is  
not Perl-compatible but  
supports a smaller

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range of operators.

Copyright code: d41d8  
cd98f00b204e9800998  
ecf8427e.