Package 'sparkwarc'

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Type Package Title Load WARC Files into Apache Spark Version 0.1.6 Maintainer Edgar Ruiz <edgar@rstudio.com> Description Load WARC (Web ARChive) files into Apache Spark using 'sparklyr'. This allows to read files from the Common Crawl project <http://commoncrawl.org/>. License Apache License 2.0 BugReports https://github.com/r-spark/sparkwarc **Encoding** UTF-8 Imports DBI, sparklyr, Rcpp RoxygenNote 7.1.1 LinkingTo Rcpp, SystemRequirements C++11 NeedsCompilation yes Author Javier Luraschi [aut], Yitao Li [aut] (<https://orcid.org/0000-0002-1261-905X>), Edgar Ruiz [aut, cre] **Repository** CRAN

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cc_warc

Description

Provides WARC paths for commoncrawl.org. To be used with spark_read_warc.

Usage

cc_warc(start, end = start)

Arguments

start	The first path to retrieve.
end	The last path to retrieve.

Examples

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rcpp_read_warc_sample Loads the sample warc file in Rcpp

Description

Loads the sample warc file in Rcpp

Usage

```
rcpp_read_warc_sample(filter = "", include = "")
```

Arguments

filter	A regular expression used to filter to each warc entry efficiently by running native code using Rcpp.
include	A regular expression used to keep only matching lines efficiently by running native code using Rcpp.

sparkwarc

sparkwarc

Description

Sparklyr extension for loading WARC Files into Apache Spark

spark_rcpp_read_warc Reads a WARC File into using Rcpp

Description

Reads a WARC (Web ARChive) file using Rcpp.

Usage

spark_rcpp_read_warc(path, match_warc, match_line)

Arguments

path	The path to the file. Needs to be accessible from the cluster. Supports the '"hdfs://"', '"s3n://"' and '"file://"' protocols.
<pre>match_warc match_line</pre>	include only warc files mathcing this character string. include only lines mathcing this character string.

spark_read_warc	Reads a WARC File into Apache Spark
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Description

Reads a WARC (Web ARChive) file into Apache Spark using sparklyr.

Usage

```
spark_read_warc(
    sc,
    name,
    path,
    repartition = 0L,
    memory = TRUE,
    overwrite = TRUE,
    match_warc = "",
    match_line = "",
    parser = c("r", "scala"),
    ...
)
```

Arguments

SC	An active spark_connection.
name	The name to assign to the newly generated table.
path	The path to the file. Needs to be accessible from the cluster. Supports the ""hdfs://"', ""s3n://"' and ""file://"' protocols.
repartition	The number of partitions used to distribute the generated table. Use 0 (the default) to avoid partitioning.
memory	Boolean; should the data be loaded eagerly into memory? (That is, should the table be cached?)
overwrite	Boolean; overwrite the table with the given name if it already exists?
match_warc	include only warc files mathcing this character string.
<pre>match_line</pre>	include only lines mathcing this character string.
parser	which parser implementation to use? Options are "scala" or "r" (default).
	Additional arguments reserved for future use.

Examples

```
## Not run:
library(sparklyr)
library(sparkwarc)
sc <- spark_connect(master = "local")
sdf <- spark_read_warc(
    sc,
    name = "sample_warc",
    path = system.file(file.path("samples", "sample.warc"), package = "sparkwarc"),
    memory = FALSE,
    overwrite = FALSE
)
spark_disconnect(sc)
## End(Not run)
```

spark_read_warc_sample

```
Loads the sample warc file in Spark
```

Description

Loads the sample warc file in Spark

Usage

```
spark_read_warc_sample(sc, filter = "", include = "")
```

Arguments

SC	An active spark_connection.
filter	A regular expression used to filter to each warc entry efficiently by running native code using Rcpp.
include	A regular expression used to keep only matching lines efficiently by running native code using Rcpp.

spark_warc_sample_path

Retrieves sample warc path

Description

Retrieves sample warc path

Usage

spark_warc_sample_path()

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