Package ‘aws.ec2metadata’

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Type Package
Title Get EC2 Instance Metadata
Version 0.2.0
Date 2019-07-15
Description Retrieve Amazon EC2 instance metadata from within the running instance.
License GPL (>= 2)
URL https://github.com/cloudyr/aws.ec2metadata
BugReports https://github.com/cloudyr/aws.ec2metadata/issues
Imports curl, jsonlite
RoxygenNote 6.1.1
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Get EC2 Instance Metadata

Description

Retrieve EC2 instance metadata from the instance

Usage

```r
is_ec2()

instance_document()

metadata

is_ecs()

ces_metadata(base_url = "http://169.254.170.2")
```

Arguments

- `base_url` Base URL for querying instance metadata

Format

An object of class `list` of length 26.

Details

- `is_ec2()` returns a logical for whether the current R session appears to be running in an EC2 instance. `is_ecs()` returns a logical for whether the current R session appears to be running in an ECS task container.

- `instance_document` returns a list containing values from the Instance Identity Document, including the instance ID, AMI ID, region, availability zone, etc.

- `metadata` is a list of functions to return various metadata values for the currently running EC2 instance. These are only meant to be called from an EC2 instance; no guarantees are made about behavior on other platforms. Two functions: `versions()` and `meta_data_items()` return the versions of the metadata, and the set of top-level metadata items, respectively.

- The function `item()` retrieves a particular metadata item specified by its full path.

- The remaining functions in the list are aliases for potentially commonly needed metadata items.

The environment variable `AWS_METADATA_SERVICE_TIMEOUT` controls the timeout for instance metadata checks, and defaults to 1 second.
Value

`is_ec2()` and `is_eks()` return a logical. Generally, all other functions will return a character string containing the requested information, otherwise a NULL if the response is empty. The `iam_role()` and `ecs_metadata()` functions return a list. An error will occur if, for some reason, the request otherwise fails.

Author(s)

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References

Metadata Documentation

Examples

```r
names(metadata)
## Not run:
if (is_ec2()) {
  metadata$versions()
  metadata$items()

  # get instance id
  metadata$instance_id()
  # get ami id
  metadata$ami_id()

  # get IAM role (NULL if none specified)
  metadata$iam_info()
  metadata$iam_role("myrole")

  # get an arbitrary metadata item
  metadata$item("meta-data/placement/availability-zone")

  # get region from instance identity document
  instance_document()$region
}

# Can also get ECS container metadata
if (is_eks()) {
  # Get ECS role credentials
  metadata$ecs_task_role()
  # or
  ecs_metadata()
}

## End(Not run)
```
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