

Package ‘aws.ec2metadata’

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Type Package

Title Get EC2 Instance Metadata

Version 0.2.2

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Description Retrieve Amazon EC2 instance metadata from within the running instance.

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Encoding UTF-8

URL <https://github.com/cloudyr/aws.ec2metadata>

BugReports <https://github.com/cloudyr/aws.ec2metadata/issues>

Imports curl, jsonlite

Config/roxygen2/version 8.0.0

NeedsCompilation no

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`aws.ec2metadata-package`*Get EC2 Instance Metadata*

Description

Retrieve EC2 instance metadata from the instance

Usage

```
is_ec2()

instance_document()

metadata

is_ecs()

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

Arguments

`base_url` Base URL for querying instance metadata

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_ecs()` 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.

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References

[Metadata Documentation](#)

See Also

Useful links:

- <https://github.com/cloudyr/aws.ec2metadata>
- Report bugs at <https://github.com/cloudyr/aws.ec2metadata/issues>

Examples

```
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_ecs()) {
  # Get ECS role credentials
  metadata$ecs_task_role()
  # or
  ecs_metadata()
}

## End(Not run)
```

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