

# 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

**NeedsCompilation** no

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aws.ec2metadata-package

*Get EC2 Instance Metadata*

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## 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

## 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_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](#)

**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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