

Package: wan27 (via r-universe)

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Type Package

Title Official Server-Side R Client for 'Wan27' AI Image and Video Generation

Version 0.1.0

Description Server-side R client for the 'Wan27' (<<https://wan2-7.io/>>) AI image and video generation API and MCP workflow ecosystem (<<https://wan2-7.io/mcp/>>). Provides functions to inspect account eligibility and credit balances, list supported models and input schemas, estimate credit costs before spending, submit idempotent generation requests with explicit request IDs, and poll task states. Uses 'jsonlite' and 'curl' when installed, with a dependency-free base R fallback for offline testing and lightweight environments.

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Encoding UTF-8

Imports utils

Suggests curl, jsonlite, knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

URL <https://wan2-7.io/>, <https://wan2-7.io/mcp/>,
<https://wan2-7.io/mcp/guide/>, <https://wan2-7.io/cli/>,
<https://wan2-7.io/pricing/>,
<https://github.com/NotUsingGithub/wan27-r>

BugReports <https://github.com/NotUsingGithub/wan27-r/issues>

RoxygenNote 7.3.2

Config/testthat/edition 3

Repository <https://notusinggithub.r-universe.dev>

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Contents

wan27_account_balance	2
wan27_client	2
wan27_estimate	3
wan27_generate	4
wan27_get_task	5
wan27_models	5
wan27_urls	6
Index	7

wan27_account_balance	<i>Read Account Eligibility and Credit Balance</i>
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Description

Queries GET /api/v1/account/ to inspect active subscription eligibility and available credits on <https://wan2-7.io/>.

Usage

```
wan27_account_balance(client)
```

Arguments

client A wan27_client object.

Value

A list representing the JSON response from the service.

wan27_client	<i>Create a Wan27 API Client</i>
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Description

Creates a configured client for <https://wan2-7.io/api/v1/>. Supply an existing access token from your server-side environment. See <https://wan2-7.io/mcp/guide/> and <https://wan2-7.io/pricing/> for authentication and credit details.

Usage

```
wan27_client(  
    token = Sys.getenv("WAN27_ACCESS_TOKEN"),  
    timeout = 120,  
    handler = NULL  
)
```

Arguments

token	Character scalar access token. Defaults to <code>Sys.getenv("WAN27_ACCESS_TOKEN")</code> .
timeout	Numeric timeout in seconds (greater than 0 and at most 120).
handler	Optional custom HTTP transport function used for offline unit tests.

Value

An object of class "wan27_client".

Examples

```
client <- wan27_client(token = "wan27_test_token_example")
print(client)
```

wan27_estimate	<i>Estimate Credits Before Creating a Paid Generation Task</i>
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Description

Sends POST `/api/v1/estimates/` to calculate the credit cost of an input payload without creating a paid task. See <https://wan2-7.io/pricing/>.

Usage

```
wan27_estimate(client, input)
```

Arguments

client	A wan27_client object.
input	Named list of model parameters (must include modelId and prompt).

Value

A list containing the estimated credit cost.

wan27_generate

*Create an Authorized Paid Generation Task***Description**

Submits an idempotent generation task to POST /api/v1/generations/ on <https://wan2-7.io/>. Requires an explicit request_id so network timeouts can be safely inspected and retried without double-charging.

Usage

```
wan27_generate(client, input, request_id)
```

```
wan27_generate_image(
    client,
    prompt,
    request_id,
    model_id = "wan27-text-to-image",
    ...
)
```

```
wan27_generate_video(
    client,
    prompt,
    request_id,
    model_id = "wan27-text-to-video",
    ...
)
```

Arguments

client	A wan27_client object.
input	Named list of generation parameters.
request_id	Character scalar idempotency key (16–128 characters).
prompt	Character scalar text prompt for helper wrappers.
model_id	Character scalar model identifier.
...	Additional named parameters forwarded to input.

Value

A list containing the created task record (including task\$id).

wan27_get_task	List and Inspect Generation Tasks
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Description

wan27_list_tasks() lists recent tasks with optional pagination, and wan27_get_task() retrieves the current status and outputs of a single task. Only status == "succeeded" indicates completion.

Usage

```
wan27_get_task(client, task_id)

wan27_list_tasks(client, limit = 20L, cursor = NULL)
```

Arguments

- client A wan27_client object.
- task_id Character scalar task identifier.
- limit Integer between 1 and 50 (default 20).
- cursor Optional character scalar pagination cursor from a previous response.

Value

A list representing the task or task collection.

wan27_models	List Supported Wan27 Models and Schemas
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Description

wan27_models() lists currently supported models, while wan27_model() fetches the input schema for a specific model_id.

Usage

```
wan27_models(client)

wan27_model(client, model_id)
```

Arguments

- client A wan27_client object.
- model_id Character scalar model identifier (for example, "wan27-text-to-video" or "wan27-text-to-image").

Value

A list representing the JSON response from the service.

`wan27_urls`*Return Canonical Wan27 Documentation and Service URLs*

Description

Returns a named list of official Wan27 documentation, MCP, CLI, pricing, and API endpoint URLs.

Usage

```
wan27_urls()
```

Value

A named list of character strings containing URLs for <https://wan2-7.io/>, <https://wan2-7.io/mcp/>, <https://wan2-7.io/mcp/guide/>, <https://wan2-7.io/cli/>, and <https://wan2-7.io/pricing/>.

Examples

```
urls <- wan27_urls()
urls$website
urls$mcp
```

Index

`print.wan27_client (wan27_client), 2`

`wan27_account_balance, 2`

`wan27_client, 2`

`wan27_estimate, 3`

`wan27_generate, 4`

`wan27_generate_image (wan27_generate), 4`

`wan27_generate_video (wan27_generate), 4`

`wan27_get_task, 5`

`wan27_list_tasks (wan27_get_task), 5`

`wan27_model (wan27_models), 5`

`wan27_models, 5`

`wan27_urls, 6`