

AWS Lambda Boto3 Client Functions

Function Management

- `create_function` - Creates a new Lambda function.
- `delete_function` - Deletes an existing function.
- `get_function` - Retrieves details about a function.
- `list_functions` - Lists all Lambda functions in the account.
- `update_function_code` - Updates the code of an existing function.
- `update_function_configuration` - Updates the configuration settings of a function.

Invocation & Execution

- `invoke` - Executes a Lambda function.
- `invoke_async` - Asynchronously executes a Lambda function (deprecated).

Event Source Mapping

- `create_event_source_mapping` - Creates a mapping between an event source and a Lambda function.
- `delete_event_source_mapping` - Deletes an event source mapping.
- `get_event_source_mapping` - Retrieves details about an event source mapping.
- `list_event_source_mappings` - Lists all event source mappings.
- `update_event_source_mapping` - Updates an existing event source mapping.

Aliases & Versions

- `create_alias` - Creates an alias for a Lambda function.
- `delete_alias` - Deletes a Lambda alias.
- `get_alias` - Retrieves details about a function alias.
- `list_aliases` - Lists all aliases for a function.
- `update_alias` - Updates an existing alias.
- `publish_version` - Publishes a new version of a Lambda function.
- `get_function_version` - Retrieves details of a specific version of a function.
- `list_versions_by_function` - Lists all versions of a function.

Permissions & Policies

- `add_permission` - Adds permissions to a function's resource policy.
- `remove_permission` - Removes permissions from a function's resource policy.
- `get_policy` - Retrieves the resource policy of a function.

Layer Management

- `publish_layer_version` - Creates a new version of a Lambda layer.
- `delete_layer_version` - Deletes a specific version of a layer.
- `get_layer_version` - Retrieves details about a layer version.
- `list_layer_versions` - Lists all versions of a layer.
- `list_layers` - Lists all available layers.

Provisioned Concurrency

- `put_provisioned_concurrency_config` - Configures provisioned concurrency for a function.
- `get_provisioned_concurrency_config` - Retrieves provisioned concurrency settings.
- `delete_provisioned_concurrency_config` - Deletes provisioned concurrency settings.

Tags & Resource Management

- `tag_resource` - Adds tags to a Lambda function.
- `untag_resource` - Removes tags from a Lambda function.
- `list_tags` - Lists tags for a function.

Logging & Monitoring

- `get_function_concurrency` - Retrieves concurrency limits for a function.
- `put_function_concurrency` - Sets concurrency limits for a function.
- `delete_function_concurrency` - Removes concurrency limits from a function.

Example Syntax

```
lambda_client.invoke(  
    FunctionName='my-function',  
    InvocationType='RequestResponse',  
    Payload=b'{"key": "value"}'  
)
```