
AWS CDK remove identifiers

Release 0.0.1

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Feb 22, 2022

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This package contains the classes for managing the testing of your AWS CDK code.

GETTING STARTED

AWS CDK remove identifiers package is implemented for helping you to test your [AWS CDK](#) code.

The goal is to compare the previous template saved with the new template synthesized. By [Jest](#), you can match by *toMatchObject* method your template synthesized by your **TypeScript** code with a template that you saved.

It is part of the [educational repositories](#) to learn how to write standard code and common uses of the TDD.

1.1 Prerequisite

The package is not self-consistent: it needs to install [npm](#), the [Node Package Manager](#).

1.2 Installation

You can download the package by github:

```
$ git clone https://github.com/bilardi/aws-cdk-remove-identifiers
```

Or you can install by npm:

```
$ npm install aws-cdk-remove-identifiers
```

Read the documentation on [readthedocs](#) for

- Usage
- Development

1.3 Change Log

See [CHANGELOG.md](#) for details.

1.4 License

This package is released under the MIT license. See [LICENSE](#) for details.

USAGE

The class reads a template synthesised by AWS CDK and returns it without identifiers.

You have to import the class **removeIdentifiers** before to use it.

```
import { RemoveIdentifiers } from "aws-cdk-remove-identifiers";
```

The class wants an object-type template like input and returns the same template without identifiers.

```
const templateWithoutIdentifiers = new RemoveIdentifiers(templateWithIdentifiers);
```

2.1 Example

When you create your **stack.ts** file, you can create your **stack.test.ts** like the example in this repo. You can find

- **lib/removeIdentifiers.ts**, the example of your class implemented
- **tests/removeIdentifiers.test.ts**, the example of your unittest class
- **tests/*.json**, the templates saved

When you run the unittest (see the [Development](#) Section),

- before, you have to create a json file empty (ie: **tests/templateWithoutIdentifiers.json**)
- the first time, you have to fill it with the first version (so, at the beginning the test fails and it returns the json)
- the times after, if the templates saved and new are different, so the unittest fails, you can evaluate if you have to save a new version or fix your change

You can find real examples in the repositories below:

- [aws-simple-ts-pipeline/tests/pipelineStack.test.ts](#)
- [aws-tool-comparison/cdk/typescript/tests/*.test.ts](#)

DEVELOPMENT

This package is used only for testing your AWS CDK code, so it is useful for helping you to implement your **TDD**.
If you want to use this package with your AWS CDK code, you can find an example in the [tests](#) folder of this repository.

3.1 Run tests

```
cd aws-cdk-remove-identifiers/  
make test # it also run other commands like npm install
```

3.2 Template saved

If the unittest fails, the class prints the json files. So, if you will want to compare what it is different with the template saved, you can save the new template:

```
cd aws-cdk-remove-identifiers/  
npm test -- tests/removeIdentifiers.test.ts > tests/templateWithoutIdentifiers.json.2
```

This approach is comfortable for running your program for comparison, like [Meld](#), diff or fc:

```
cd aws-cdk-remove-identifiers/  
diff tests/templateWithoutIdentifiers.json tests/templateWithoutIdentifiers.json.2
```


INDICES AND TABLES

- `genindex`
- `modindex`
- `search`