

Cleaner Settings

An Administrator is able to control and change the way that the AWS Accounts are cleaned/recycled at the end of a lease. This task is completed by an open-source tool called [AWS Nuke](#). However, in some instances an Administrator may wish to modify the way that the accounts are cleaned to preserve or delete certain resources. This can be done through the **Cleaner Settings (1)** menu on the left hand menu.

The screenshot shows the 'Cleaner Settings' page in the 'sandbox studio' interface. The page is titled 'Cleaner Settings' and has a subtitle 'Manage how accounts are cleaned at the end of a lease.' The page is divided into two main sections: 'Cleanup Settings' and 'AWS Nuke Configuration'. The 'Cleanup Settings' section includes five settings, each with a description and a value, and a yellow callout bubble with a number (1-5) pointing to it. The 'AWS Nuke Configuration' section includes a description of AWS Nuke and a YAML configuration file. The left sidebar shows the 'Settings' menu with 'Cleaner Settings' selected. The top right of the page shows the user 'Daniel Chen' and the language 'EN'.

Cleanup Settings

- 1 AWS Nuke Binary URL**: URL of the Linux aws-nuke binary used for account cleanup. `https://github.com/ekristen/aws-nuke/releases/download/v3.64.0/aws-nuke-v3.64.0-linux-amd64.tar.gz`
- 2 Max Failed Cleanup Attempts**: The number of failed attempts to cleanup before giving up. `3`
- 3 Retry Wait Time**: The number of seconds to wait before retrying a failed attempt to cleanup. `5 seconds`
- 4 Successful Attempts Required**: The number of successful attempts to finish cleanup. `2`
- 5 Success Wait Time**: The number of seconds to wait before rerunning a successful attempt. `30 seconds`

AWS Nuke Configuration

Sandbox Studio uses AWS Nuke to clean up accounts when they are returned to the pool.

[AWS Nuke](#) is an open-source tool used to remove all resources from an AWS account. If you need to preserve certain resources, you can configure exclusions in the YAML file below. Refer to the AWS Nuke documentation for more details.

```
regions:
  - global
bypass-alias-check-accounts:
  - '%CLEANUP_ACCOUNT_ID%'
settings:
  CloudFormationStack:
    DisableDeletionProtection: true
    CreateRoleToDeleteStack: true
  CognitoUserPool:
    DisableDeletionProtection: true
  DSQLCluster:
    DisableDeletionProtection: true
  DynamoDBTable:
    DisableDeletionProtection: true
  EC2Image:
    IncludeDisabled: true
    IncludeDeprecated: true
```

1. **AWS Nuke Binary URL**: URL of the Linux aws-nuke binary used for account cleanup. This allows you to use the latest available AWS Nuke version as soon as it's released.

You can find the latest releases links here: <https://github.com/ekristen/aws-nuke/releases>

2. **Max Failed Cleanup Attempts:** In certain circumstances, AWS Nuke fails to cleanup resources from the first try. Sandbox Studio to retry on error. This setting help defines how many times it needs to retry.
3. **Retry Wait Time:** Time to wait between retries when cleanup fails.
4. **Successful Attempts Required:** Number of successful cleanup to execute before Sandbox Studio marks the cleanup as successful. In this example, Nuke will run 2 times and if both execution succeed, the account will be marked as successfully cleaned up.
5. **Success Wait Time:** The number of seconds to wait before rerunning a successful attempt
6. **AWS Nuke Configuration**

Refer to [AWS Nuke documentation](#) for more details.

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