Session Actions Edit View Help

┌──(jackal㉿kali)-[~]
└─$ pipx run localstack start

```
 /LocalStack
```

- **LocalStack CLI:** 4.8.0
- **Profile:** default
- **App:** https://app.localstack.cloud

[04:51:32] starting LocalStack in Docker mode 🥃   localstack.py:532
─────────────────────────────────── LocalStack Runtime Log (press **CTRL-C** to quit) ───────────────────────────────────

LocalStack version: 4.8.1.dev3
LocalStack build date: 2025-09-12
LocalStack build git hash: 8b4e78295

Ready.

Session Actions Edit View Help

```
┌──(jackal㉿kali)-[~]
└─$ pacu
```



```
Version: unknown
Found existing sessions:
  [0] New session
  [1] m
Choose an option: set_keys
Please choose a number from 0 to 1.
Found existing sessions:
  [0] New session
  [1] m
Choose an option: 0
What would you like to name this new session? q
Session q created.
```

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```
 [1] m
Choose an option: 0
What would you like to name this new session? q
Session q created.


    Pacu - https://github.com/RhinoSecurityLabs/pacu
    Written and researched by Spencer Gietzen of Rhino Security Labs - https://rhinosecuritylabs.com/

    This was built as a modular, open source tool to assist in penetration testing an AWS environment.
    For usage and developer documentation, please visit the GitHub page.

    Modules that have pre-requisites will have those listed in that modules help info, but if it is
    executed before its pre-reqs have been filled, it will prompt you to run that module then continue
    once that is finished, so you have the necessary data for the module you want to run.

    Pacu command info:
        list/ls                             List all modules
        load_commands_file <file>           Load an existing file with list of commands to execute
        search [cat[egory]] <search term>   Search the list of available modules by name or category
        help                                Display this page of information
        help <module name>                  Display information about a module
        whoami                              Display information regarding to the active access keys
        data                                Display all data that is stored in this session. Only fields
                                              with values will be displayed
        data <service> [<sub-service>]      Display all data for a specified service in this session
        jq <query> <service> [<sub-service>] Run a jq statement on the specified service's data
        services                            Display a list of services that have collected data in the
                                              current session to use with the "data" command
        regions                             Display a list of all valid AWS regions
        update_regions                      Run a script to update the regions database to the newest
                                              version
        set_regions <region> [<region> ... ] Set the default regions for this session. These space-separated
                                              regions will be used for modules where regions are required,
                                              but not supplied by the user. The default set of regions is
                                              every supported region for the service. Supply "all" to this
                                              command to reset the region set to the default of all
                                              supported regions
        set_ua_suffix [<suffix>]            Set the user agent suffix for this session. The suffix will be
                                              appended to the user agent for all API calls. If no suffix is
                                              supplied a UUID-based suffix will be generated.
        unset_ua_suffix                     Remove the user agent suffix for this session.
```

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```
        delete_session                          Delete a Pacu session from the database. Note that the output
                                                  folder for that session will not be deleted
        history                                 List the previously typed commands

        exit/quit                               Exit Pacu

    Other command info:
        aws <command>                           Run an AWS CLI command directly. Note: If Pacu detects "aws"
                                                  as the first word of the command, the whole command will
                                                  instead be run in a shell so that you can use the AWS CLI
                                                  from within Pacu. Due to the command running in a shell,
                                                  this enables you to pipe output where needed. An example
                                                  would be to run an AWS CLI command and pipe it into "jq"
                                                  to parse the data returned. Warning: The AWS CLI's
                                                  authentication is not related to Pacu. Be careful to
                                                  ensure that you are using the keys you want when using
                                                  the AWS CLI. It is suggested to use AWS CLI profiles
                                                  to solve this problem
        console/open_console                    Generate a URL that will log the current user/role in to
                                                  the AWS web console
        debug                                   Display the contents of the error log file

Detected environment as one of Kali/Parrot/Pentoo Linux. Modifying user agent to hide that from GuardDuty ...
  User agent for this session set to:
    aws-cli/1.16.190 Python/3.7.0 Windows/10 botocore/1.12.180
Pacu (q:No Keys Set) > set_keys
Setting AWS Keys ...
Press enter to keep the value currently stored.
Enter the letter C to clear the value, rather than set it.
If you enter an existing key_alias, that key's fields will be updated instead of added.
Key alias must be at least 2 characters

Key alias [None]: localstack
Access key ID [None]: test
Secret access key [None]: test
Session token (Optional - for temp AWS keys only) [None]:

Keys saved to database.

Pacu (q:localstack) > set_region us-east-1
  Error: Unrecognized command
```

```
                                        jackal@kali: ~

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Keys saved to database.

Pacu (q:localstack) > set_region us-east-1
  Error: Unrecognized command
Pacu (q:localstack) > set_regions us-east-1
  Session regions changed: ['us-east-1']
Pacu (q:localstack) > run iam__enum_users_roles_policies_groups
  Running module iam__enum_users_roles_policies_groups ...
[iam__enum_users_roles_policies_groups] No Users Found
[iam__enum_users_roles_policies_groups]    FAILURE: MISSING NEEDED PERMISSIONS
[iam__enum_users_roles_policies_groups] No Roles Found
[iam__enum_users_roles_policies_groups]    FAILURE: MISSING NEEDED PERMISSIONS
[iam__enum_users_roles_policies_groups] No Policies Found
[iam__enum_users_roles_policies_groups]    FAILURE: MISSING NEEDED PERMISSIONS
[iam__enum_users_roles_policies_groups] No Groups Found
[iam__enum_users_roles_policies_groups]    FAILURE: MISSING NEEDED PERMISSIONS
[iam__enum_users_roles_policies_groups] iam__enum_users_roles_policies_groups completed.

[iam__enum_users_roles_policies_groups] MODULE SUMMARY:

  0 Users Enumerated
  0 Roles Enumerated
  0 Policies Enumerated
  0 Groups Enumerated
  IAM resources saved in Pacu database.

Pacu (q:localstack) > run iam__privsec_scan
Module not found. Is it spelled correctly? Try using the module search function.
Pacu (q:localstack) > run iam__privesc_scan
  Running module iam__privesc_scan ...
[iam__privesc_scan] No permissions detected yet.
[iam__privesc_scan] Data (Current User/Role > Permissions) not found, run module "iam__enum_permissions" to fetch it? (y/n) y
[iam__privesc_scan]    Running module iam__enum_permissions ...

[2025-09-12 08:57:35] Pacu encountered an error while running the previous command. Check /home/jackal/.local/share/pacu/q/error_log.txt for technica
l details, or use the debug command. [LOG LEVEL: MINIMAL]

    <class 'botocore.exceptions.ClientError'>: An error occurred (InvalidClientTokenId) when calling the GetCallerIdentity operation: The security to
ken included in the request is invalid.
```

```
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  0 Roles Enumerated
  0 Policies Enumerated
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[iam__privesc_scan]   Running module iam__enum_permissions...

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    <class 'botocore.exceptions.ClientError'>: An error occurred (InvalidClientTokenId) when calling the GetCallerIdentity operation: The security to
ken included in the request is invalid.

Pacu (q:localstack) > whoami
{
  "UserName": null,
  "RoleName": null,
  "Arn": null,
  "AccountId": null,
  "UserId": null,
  "Roles": null,
  "Groups": null,
  "Policies": null,
  "AccessKeyId": "test",
  "SecretAccessKey": "te**",
  "SessionToken": null,
  "KeyAlias": "localstack",
  "PermissionsConfirmed": null,
  "Permissions": {
    "Allow": {},
    "Deny": {}
  }
}
Pacu (q:localstack) > █
```