



CLI Cheatsheet

Overview

Download: <https://github.com/nats-io/natscli>
One stop command line utility to interact with and manage NATS.
Independent from NATS-server version. Uses only public Golang API.
Please update regularly or compile the github main branch.

Getting started

In-built cheat sheet
`nats cheat`
Always check help for additional options
`nats server info --help`
Quick system status
`nats server list`
Show raw nats cli messages. No secret sauce.
`nats server list --trace`

Publish/Subscribe

Listen to a subject
`nats sub foo`
Publish to a subject
`nats pub foo Hello`
Listen to wildcards
`nats sub '>'`
`nats sub 'orders.emea.*'`
`nats sub 'orders.*.o1234'`

Context and credentials

List local connection contexts
`nats context list`
Store credentials and server URL for *cloud*
`nats context add --server nats://mycloud.io --user admin --password admin cloud`
Select context
`nats context select cloud`

Request/Reply

Simple reply mockup
`nats reply bar World`
Send a request
`nats request bar Hello`

Trace and debug message flow

Trace message without delivering to clients.
`nats trace foo Hello`
Trace with delivery and timestamps.
`nats trace --timestamp --deliver foo`

Measure roundtrip and latency

Roundtrip time client to server
`nats --server srv1:4222 rtt`
Measure latency between clients connected to distinct servers in the mesh
`nats latency --server srv1:4222 -server-b srv2:4222`

Server Health and Monitoring

Show system health (SYS)
`nats server list`
Detailed server information (SYS)
`nats server info <server>`
Check account traffic
`nats traffic`
Gather and analyze for debugging (SYS)
`nats audit gather`
`nats audit analyze <audit zip>`

Jetstream Monitoring

Show jetstream and meta status (SYS)
`nats server report jetstream`
List all streams
`nats stream report`
Stream details
`nats stream info <stream>`

Jetstream backup, restore and purge

Backup a stream with consumer state
`nats stream backup <stream> <dir>`
Backup just messages
`nats stream backup --no-consumers <stream> <dir>`
Backup all streams in current account
`nats account backup <dir>`
Restore stream from backup
`nats stream restore <file>`
Purge a stream
`nats stream purge <stream>`
Purge a subject in a stream
`nats stream purge --subject foo <stream>`

Dashboards - top style

Watch all servers (SYS)
`nats server watch servers`
Watch a single server with statistics (SYS)
`nats server top <server>`