

KIP-561: Regex Support for ConsumerGroupCommand

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Status

Current state: *Under Discussion*

Discussion thread: [\[DISCUSS\] KIP-561: Regex Expressions Support for ConsumerGroupCommand](#)

- **Previous Discussion 1:** [Re: Multiple Consumer Group Management](#)
- **Previous Discussion 2:** [Re: ConsumerGroupCommand tool improvement?](#)

JIRA: [KAFKA-7817 Multiple Consumer Group Management with Regex](#)

PR: [#6700](#)

Motivation

Add ability to manipulate subsets of consumer groups with similar names using regular expressions for operations including `--describe`, `--delete` and `--reset-offsets`.

Suppose we have a huge subset of consumer groups with similar names (group1, group2, ..., groupN) and we want to manipulate them using CLI. It would be easier to apply regex instead of manually building a sublist of groups.

Public Interfaces

Command line interface for all operations supported

```
bin/kafka-consumer-groups.sh --bootstrap-server :9092 --describe      --regex group[1-7]
bin/kafka-consumer-groups.sh --bootstrap-server :9092 --delete        --regex group[1-7]
bin/kafka-consumer-groups.sh --bootstrap-server :9092 --reset-offsets --regex group[1-7] \
                             --topic topic --to-offset 50
```

Proposed Changes

Command line interface will be updated with additional `--regex` parameter in combination with `--describe`, `--delete` and `--reset-offsets` command.

Compatibility, Deprecation, and Migration Plan

- New CLI parameter will neither have any impact on existing users nor impact on old behavior

Rejected Alternatives

None.