

# KIP-524: Allow users to choose config source when describing configs

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## Status

**Current state:** Adopted

**Discussion thread:** [here](#)

JIRA:

 Unable to render Jira issues macro, execution error.

Please keep the discussion on the mailing list rather than commenting on the wiki (wiki discussions get unwieldy fast).

## Motivation

Currently users can use view dynamic broker configs using the `kafka-configs.sh` tool. It is sometimes convenient to be able to see static configurations through the same tool. This KIP enables a way to view all configurations through this tool.

## Proposed Changes

By default, when using `--describe --entity-type brokers`, the config tool will only print dynamic configurations. We will add two flags to distinguish the set of configs to view.

- `--dynamic`: Print only dynamically overridden configurations.
- `--all`: Print all available configurations and their sources.

This current behavior is equivalent to using the `--dynamic` option. If nothing is specified, this is assumed.

## Public Interfaces

As described above, we will add an optional flag to specify the set of configs to display when `kafka-config.sh --describe` is used.

For example, to print all configurations for a given broker, a user can do the following:

```
kafka-configs.sh --describe --all --entity-type brokers --entity-name 0
```

For `--entity-default`, there is no difference between `--all` and `--dynamic`.

```
kafka-configs.sh --describe --all --entity-type brokers --entity-default
```

## Compatibility, Deprecation, and Migration Plan

We will retain the current behavior by default. If no option is specified, we will assume `--dynamic`.

# Rejected Alternatives

None yet.