KIP-483: Add Broker Version API in Admin Client

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Status

Current state: *Under Discussion*

Discussion thread: TBD

JIRA: TBD

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

Motivation

For either human or application use case, it would be good to know the version of brokers we are talking to, so that we could make some decisions automatically, such as which version of client we should use, such as the use case we face in KIP-447. Note that we already have a legacy support in the Scala BrokerApiVersionsCommand. This would be serving as a good purpose to amend this API gap.

Public Interfaces

A new command line API to help us find the API version:

AdminClient.java
```public static List<ApiVersion> getApiVersion(Node target, GetApiVersionOptions options);```

And a separate option class:

AdminClient.java
```public class GetApiVersionOptions extends AbstractOptions<GetApiVersionOptions>;```

Compatibility, Deprecation, and Migration Plan

Since this is a new API, there should be no compatibility concern.

Rejected Alternatives

N/A