Loggers (loggers)

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The `loggers` endpoint provides access to the application's loggers and the configuration of their levels.

Retrieving All Loggers

To retrieve the application's loggers, make a `GET` request to `/actuator/loggers`, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers' -i -X GET
```

The resulting response is similar to the following:

```
HTTP/1.1 200 OK
Content-Type: application/vnd.spring-boot.actuator.v3+json
Content-Length: 791

{
  "levels" : [ "OFF", "FATAL", "ERROR", "WARN", "INFO", "DEBUG", "TRACE" ],
  "loggers" : {
    "ROOT" : {
      "configuredLevel" : "INFO",
```

```
      "effectiveLevel" : "INFO"
    },
    "com.example" : {
      "configuredLevel" : "DEBUG",
      "effectiveLevel" : "DEBUG"
    }
  },
  "groups" : {
    "test" : {
      "configuredLevel" : "INFO",
      "members" : [ "test.member1", "test.member2" ]
    },
    "web" : {
      "members" : [ "org.springframework.core.codec", "org.springframework.http",
"org.springframework.web", "org.springframework.boot.actuate.endpoint.web",
"org.springframework.boot.web.servlet.ServletContextInitializerBeans" ]
    },
    "sql" : {
      "members" : [ "org.springframework.jdbc.core", "org.hibernate.SQL",
"org.jooq.tools.LoggerListener" ]
    }
  }
}
```

Response Structure

The response contains details of the application's loggers. The following table describes the structure of the response:

Path	Type	Description
`levels`	`Array`	Levels support by the logging system.
`loggers`	`Object`	Loggers keyed by name.
`groups`	`Object`	Logger groups keyed by name
`loggers.*.configuredLevel`	`String`	Configured level of the logger, if any.
`loggers.*.effectiveLevel`	`String`	Effective level of the logger.
`groups.*.configuredLevel`	`String`	Configured level of the logger group, if any.
`groups.*.members`	`Array`	Loggers that are part of this group

Retrieving a Single Logger

To retrieve a single logger, make a `GET` request to `/actuator/loggers/{logger.name}`, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers/com.example' -i -X GET
```

The preceding example retrieves information about the logger named `com.example`. The resulting response is similar to the following:

```
HTTP/1.1 200 OK
Content-Disposition: inline;filename=f.txt
Content-Type: application/vnd.spring-boot.actuator.v3+json
Content-Length: 61

{
  "configuredLevel" : "INFO",
  "effectiveLevel" : "INFO"
}
```

Response Structure

The response contains details of the requested logger. The following table describes the structure of the response:

Path	Type	Description
`configuredLevel`	`String`	Configured level of the logger, if any.
`effectiveLevel`	`String`	Effective level of the logger.

Retrieving a Single Group

To retrieve a single group, make a `GET` request to `/actuator/loggers/{group.name}`, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers/test' -i -X GET
```

The preceding example retrieves information about the logger group named `test`. The resulting response is similar to the following:

```
HTTP/1.1 200 OK
Content-Type: application/vnd.spring-boot.actuator.v3+json
Content-Length: 82

{
  "configuredLevel" : "INFO",
  "members" : [ "test.member1", "test.member2" ]
}
```

Response Structure

The response contains details of the requested group. The following table describes the structure of the response:

Path	Type	Description
`configuredLevel`	`String`	Configured level of the logger group, if any.
`members`	`Array`	Loggers that are part of this group

Setting a Log Level

To set the level of a logger, make a `POST` request to `/actuator/loggers/{logger.name}` with a JSON body that specifies the configured level for the logger, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers/com.example' -i -X POST \
    -H 'Content-Type: application/json' \
    -d '{"configuredLevel":"debug"}'
```

The preceding example sets the `configuredLevel` of the `com.example` logger to `DEBUG`.

Request Structure

The request specifies the desired level of the logger. The following table describes the structure of the request:

Path	Type	Description
`configuredLevel`	`String`	Level for the logger. May be omitted to clear the level.

Setting a Log Level for a Group

To set the level of a logger, make a `POST` request to `/actuator/loggers/{group.name}` with a JSON body that specifies the configured level for the logger group, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers/test' -i -X POST \
    -H 'Content-Type: application/json' \
    -d '{"configuredLevel":"debug"}'
```

The preceding example sets the `configuredLevel` of the `test` logger group to `DEBUG`.

Request Structure

The request specifies the desired level of the logger group. The following table describes the structure of the request:

Path	Type	Description
`configuredLevel`	`String`	Level for the logger. May be omitted to clear the level.

Clearing a Log Level

To clear the level of a logger, make a `POST` request to `/actuator/loggers/{logger.name}` with a JSON body containing an empty object, as shown in the following curl-based example:

```
$ curl 'http://localhost:8080/actuator/loggers/com.example' -i -X POST \
    -H 'Content-Type: application/json' \
    -d '{}'
```

The preceding example clears the configured level of the `com.example` logger.

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