

Spring Professional Exam Tutorial v5.0

Question 32

Question 32 - What is Health Indicator?

Health Indicator is a component used by `/actuator/health` endpoint to check if system is in a state which can be used to successfully handle requests.

`/actuator/health` endpoint is returning aggregated information on system status by evaluating all Health Indicators registered in `HealthIndicatorRegistry`.

`/actuator/health` endpoint is exposed by default via both `JMX` and `Web`, however default configuration is exposing only minimal set of information.

This endpoint is used, usually by monitoring software, to periodically check system status, upon receiving failed status, automated alert is sent to product support team.

Monitoring endpoint like this, is also very useful when building Highly Available and Fault Tolerant Architecture, in this case such endpoint can be used by Load Balancer to check which instances are healthy and can accept traffic.

Question 32 - What is Health Indicator?

To change level of details exposed by `/actuator/health` endpoint, following properties can be used:

- ▶ `management.endpoint.health.show-details`
- ▶ `management.endpoint.health.show-components`

Both of them can support following values:

- ▶ `never` - detailed information are never shown (default value)
- ▶ `when-authorized` - show information to users with roles from property `management.endpoint.health.roles`
- ▶ `always` - detailed information are shown to all users

Question 32 - What is Health Indicator?

To create custom Health Indicator, Spring Bean has to be created that implements HealthIndicator interface:

```
@Component
public class CustomHealthIndicator implements HealthIndicator {
    @Override
    public Health health() {
        return Health.up()
            .withDetail("system-ready", true)
            .build();
    }
}
```

