목차

JBoss EAP 7 Tuning CLI script 3
default / runtime value query 3
Tuning script 3

JBoss EAP 7 Tuning CLI script

— *이강우 2022/01/26 12:15*

본 내용은 JBoss EAP 7 설치 후 일반적인 튜닝값을 적용하기 위한 스크립트이다. JBoss EAP 7.4 버전에서 테스트 되었으며 JBoss EAP 7 이외의 버전에서는 동작을 보장하지 않는다.

default / runtime value query

```
/subsystem=undertow/server=default-server/http-listener=default:read-
resource(include-defaults=true,include-runtime=true)
```

Tuning script

```
##### default thread pool
/subsystem=io/worker=default/:write-attribute(name=task-core-
threads,value=256)
/subsystem=io/worker=default/:write-attribute(name=task-max-
threads,value=512)
/subsystem=io/worker=default/:write-attribute(name=io-threads,value=128)

##### Session Timeout
/subsystem=undertow/servlet-container=default:write-attribute(name=default-
session-timeout, value=60)

##### Server/X-Powered-By header 제거 설정
/subsystem=undertow/configuration=filter/response-header=server-
header:remove
/subsystem=undertow/configuration=filter/response-header=x-powered-by-
header:remove

##### Server/X-Powered-By header 다른 이름으로 변경할 경우
/subsystem=undertow/configuration=filter/response-header=server-
header:add(header-name="Server",header-value="JBoss-EAP/7")
/subsystem=undertow/configuration=filter/response-header=x-powered-by-
header:add(header-name="X-Powered-By",header-value="Undertow/1")

##### For X-Powered-By: JSP/2.3 response header 제거
/subsystem=undertow/servlet-container=default/setting=jsp:write-
attribute(name=x-powered-by,value=false)

##### welcome-content 제거
/subsystem=undertow/server=default-server/host=default-
host/location=\/:remove
/subsystem=undertow/configuration=handler/file=welcome-content:remove
```

```
##### http listener 예제, AJP 또는 HTTPS의 경우 별도의 리스너에 설정해줘야 함.
##### max-post-size  10485760 = 10MB
/subsystem=undertow/server=default-server/http-listener=default:write-
attribute(name=max-post-size,value=10485760L)
/subsystem=undertow/server=default-server/ajp-listener=ajp:write-
attribute(name=max-post-size,value=10485760L)

##### max-header-size  1048576 = 1MB
/subsystem=undertow/server=default-server/http-listener=default:write-
attribute(name=max-header-size,value=1048576)
##### max-headers
/subsystem=undertow/server=default-server/http-listener=default:write-
attribute(name=max-headers,value=200)
##### max-parameters
/subsystem=undertow/server=default-server/http-listener=default:write-
attribute(name=max-parameters,value=1000)

##### JBoss CRS security
/subsystem=undertow/configuration=filter/response-header=x-frame-
options:add(header-name="X-Frame-Options",header-value="SAMEORIGIN")
/subsystem=undertow/configuration=filter/response-header=x-xss-
protection:add(header-name="X-XSS-Protection",header-value="1; mode=block")
/subsystem=undertow/configuration=filter/response-header=x-content-type-
options:add(header-name="X-Content-Type-Options",header-value="nosniff")

###/subsystem=undertow/configuration=filter/response-header=content-
security-policy:add(header-name="Content-Security-Policy",header-
value="default-src https:")
/subsystem=undertow/configuration=filter/response-header=content-security-
policy:add(header-name="Content-Security-Policy-Report-Only",header-
value="policy")

/subsystem=undertow/configuration=filter/response-header=strict-transport-
security:add(header-name="Strict-Transport-Security",header-value="max-
age=31536000; includeSubDomains;")
/subsystem=undertow/server=default-server/host=default-host/filter-ref=x-
frame-options:add()
/subsystem=undertow/server=default-server/host=default-host/filter-ref=x-
xss-protection:add()
/subsystem=undertow/server=default-server/host=default-host/filter-ref=x-
content-type-options:add()
/subsystem=undertow/server=default-server/host=default-host/filter-
ref=content-security-policy:add()
/subsystem=undertow/server=default-server/host=default-host/filter-
ref=strict-transport-security:add()
```

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